



Operation and Maintenance Manual

International[®] CV[™] Series
Infotainment System
- US, Canada

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International® CV™ Series

Infotainment System

Operation and Maintenance Manual

Navistar, Inc.

2701 Navistar Drive, Lisle, IL 60532 USA

IMPORTANT

The information, specifications, and illustrations contained in this manual are based on data that was current at the time of publication. Navistar, Inc. reserves the right to make changes and/or improvements at any time without notification, liability, or without applying those changes or improvements to vehicles previously manufactured and/or sold.

NOTICE

Be advised that this motor vehicle may be equipped with computer / recording devices. Their function is to allow an authorized individual to download data or information relating to the operation or performance of this vehicle.

The stored data or information may be neither downloaded nor retrieved except by the vehicle's registered owner, or, in the alternative, by another individual or entity authorized by the registered owner, (e.g., International Dealer) who may need this data or information to properly service or diagnose this vehicle for repair or following an accident.

Any access to this information without the owner's consent may be in violation of law and may subject that person or entity to criminal penalties.

CALIFORNIA

Proposition 65 Warning



WARNING Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system.
- Do not idle the engine except as necessary.

For more information go to www.P65warnings.ca.gov/diesel

Battery posts, terminals and other related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Wash hands after handling.

IMPORTANT

It is important that the applicable vehicle identification number (VIN), engine serial number and or component feature codes are recorded. These numbers are required to obtain pertinent information for this vehicle or engine.

VEHICLE IDENTIFICATION NUMBER (VIN)

--

CUSTOMER ASSISTANCE CENTER

1-800-44-TRUCK (1-800-448-7825)

ENGINE

Feature Code:

Serial Number:

--	--

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Lisle, IL 60532 USA
www.navistar.com

FRONT AXLE

Feature Code:

Serial Number:

--	--

REAR AXLE

Feature Code:

Serial Number:

--	--

TRANSMISSION

Feature Code:

Serial Number:

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TRANSFER CASE

Feature Code:

Serial Number:

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Summary of Changes

Section	Description
Sections 1 and 6	Updated Warnings within various topics.

Section 1 – Foreword

Preface.....1
 Cautions and Warnings.....1
 Assistance Guide.....1
 Avoiding Distractions.....2
 Active Noise Cancellation (ANC).....2
 Avoiding Untrusted Media Devices.....3
 Theft Deterrent Feature.....3
 Component Code Numbers.....3
 Line Set Ticket.....3
 Infotainment System Feature Codes.....3
 Steering Wheel Audio Controls.....4
 Radio Reception.....5
 FM.....5
 AM.....5
 SiriusXM Satellite Radio Service.....5
 Cell Phone Usage.....5
 Infotainment System Care.....6
 Fixed Mast Antenna.....6
 Multi-Band Antenna.....6
 Cleaning Vehicle Information and Radio Displays.....6

Section 2 – Base Radio (00008BRNN)

Overview.....7
 Screen and Favorite Buttons.....7
 Audio Controls.....7
 Home Page (Base Radio).....9
 Home Page Features.....9
 Audio.....9
 Phone.....9
 Settings.....9

Setting Radio Preferences.....9
 Time and Date.....9
 Language (Current Language).....9
 Valet Mode.....9
 Radio.....10
 Vehicle.....10
 Display.....10
 Return to Factory Settings.....10
 Software Information (If Equipped).....10
 Radio Setup.....10
 Manage Favorites.....10
 Number of Favorites Shown.....10
 Audible Touch Feedback (If Equipped).....10
 Auto Volume (If Equipped).....10
 Maximum Startup Volume.....11
 Return to Factory Settings.....11
 Restore Vehicle Settings.....11
 Clear All Private Data (If Equipped).....11
 Restore Radio Settings.....11
 English and Metric Unit Conversion.....11
 AM-FM Radio (Base Radio).....12
 Playing The Radio.....12
 Radio Settings.....12
 Tone Settings.....12
 Station List.....12
 Auto Volume.....13
 SXM View (Sirius XM only, if equipped).....13
 Channel List (Sirius XM only, if equipped).....13
 Finding a Station.....13
 Storing Radio Station Presets.....13
 Mixed-Audio Favorites.....13
 CD Player.....14

Scanning Forward or Backward.....	26
Playing a File Randomly.....	26
Using the USB Music Menu.....	26
Browse Music.....	26
Tone Settings.....	26
Auto Volume.....	27
Traffic Program (If Equipped).....	27
MTP (Media Transfer Protocol).....	27
iPod / iPhone Player.....	27
Playing Music Files.....	27
Pause.....	27
Changing to Next / Previous File.....	27
Returning to the Beginning of the Current File.....	27
Scanning Forward or Backward.....	28
Playing a File Randomly.....	28
Using the iPod Menu.....	28
Browse Music.....	28
Tone Settings.....	28
Auto Volume.....	28
Picture System Information.....	28
Viewing Pictures.....	28
Viewing a Slide Show.....	29
Viewing a Previous or Next Picture.....	29
Rotating a Picture.....	29
Enlarging a Picture.....	29
Using the USB Picture Menu.....	29
Auxiliary Jack.....	29
Connecting the Device and Playing Music.....	29
Playing Music From a Device That is Already Connected.....	29
Bluetooth Audio.....	30
Playing Music.....	30

Bluetooth Audio Menu.....	30
Tone.....	30
Manage Bluetooth Devices.....	30

Section 4 – Uplevel Radio (0008RNP, 0008RNR, 0008RNW, or 0008RNX)

Overview.....	31
Home Page (Uplevel Radio).....	32
Managing Home Page Icons.....	33
Using The System.....	33
Infotainment Display Features.....	33
Home Page Features.....	33
Audio.....	33
Phone.....	33
Projection.....	33
Apps.....	33
NAV.....	34
Settings.....	34
Lighting.....	34
Weather.....	34
Video.....	34
Applications Tray.....	35
Infotainment Gestures.....	35
Touch / Tap.....	35
Touch and Hold.....	36
Nudge.....	36
Fling or Swipe.....	37
AM-FM Radio (Uplevel Radio).....	37
Playing the Radio.....	37
Infotainment System Settings.....	37
Tone Settings.....	37

Voice Pass-Thru (If Equipped).....57
 Voice Recognition for Weather (If Equipped).....57

Section 6 – Phone (Base Radio)

Bluetooth (Overview).....59
 Steering Wheel Controls.....59
 Infotainment System Controls.....59
 Voice Recognition.....60
 Audio System.....60
 Bluetooth Audio Quality.....60
 Bluetooth (Infotainment Controls).....60
 Pairing.....60
 Pairing Information.....60
 Pairing a Phone - SSP and No Paired Device.....61
 Pairing a Phone - SSP and Paired Device.....61
 Pairing a Phone - No SSP and No Paired Device.....62
 Pairing a Phone - No SSP and Paired Device.....62
 Connecting a Paired Bluetooth Device.....63
 Checking the Bluetooth Connection.....63
 Disconnecting a Bluetooth Device.....63
 Deleting a Bluetooth Device.....63
 Bluetooth Music.....63
 Playing Bluetooth Music.....64
 Pause.....64
 Playing the Next Song.....64
 Playing the Previous Song.....64
 Returning to the Beginning of the Current Song.....64
 Search.....64
 Playing Music Randomly.....64
 Apple CarPlay and Android Auto.....65
 Using Android Auto or Apple CarPlay.....65

Additional Information.....65

Section 7 – Phone (Uplevel Radio)

Bluetooth (Overview).....67
 Steering Wheel Controls.....67
 Infotainment System Controls.....67
 Audio System.....67
 Pairing.....68
 Pairing Information.....68
 Pairing a Phone.....68
 Listing All Paired and Connected Phones.....68
 Disconnecting a Connected Phone.....69
 Deleting a Paired Phone.....69
 Linking to a Different Phone.....69
 Switching to Handset or Handsfree Mode.....69
 Making a Call Using the Keypad.....69
 Making a Call Using Contacts and Recent Calls.....69
 Making a Call Using the Contacts Menu.....70
 Making a Call Using the Recent Calls Menu.....70
 Accepting or Declining a Call.....70
 Accepting a Call.....70
 Declining a Call.....70
 Call Waiting.....70
 Accepting a Call.....70
 Declining a Call.....70
 Switching Between Calls (Call Waiting Calls Only).....70
 Three-Way Calling.....71
 Starting a Three-way Call While in a Call.....71
 Ending a Call.....71
 Dual Tone Multi-Frequency (DTMF) Tones.....71
 Voice Mail.....71

Voice Volume.....	90
Prompts During Phone Calls.....	91
Current Location.....	91
Map View.....	92
3D View.....	92
Heading Up View.....	92
North Up View.....	92
Audio Information.....	92
Day / Night Mode.....	93
Traffic (If Equipped).....	93
Show Nearby Traffic Incidents.....	94
Traffic Routing Preferences.....	94
Traffic Types.....	95
Routing Preferences.....	96
Route Style.....	96
Route Segment Preferences.....	96
Display Places of Interest Icons.....	97
Personal Data.....	97
Contacts.....	98
Recent Destinations.....	98
My POIs.....	98
Upload Saved Locations.....	98
Navigation Settings in Vehicle Personalization.....	98
Voice.....	98
Display.....	99
Mode.....	99
Calibrate Touchscreen.....	99
Turn Display Off.....	99
SiriusXM Travel Link Weather.....	99
Weather Screen.....	100
Location View.....	100
Map View.....	101

Weather Menu.....	101
SiriusXM NavTraffic.....	102
Traffic Alert While Under Guidance.....	102
Traffic Alert While Not Under Guidance.....	103
SiriusXM Travel Link Movie Listings.....	103
SiriusXM Travel Link Fuel Pricing.....	103
Navigation Alerts.....	104
Low Fuel Alert.....	104
Trouble with Navigation.....	104
Global Positioning System (GPS) Issues.....	104
Vehicle Position Issues.....	105
Problems with Route Guidance.....	105
Missing Roads, Addresses, and Other Features.....	106

Section 9 – Settings

The Settings Menu.....	107
Time and Date.....	107
Language.....	107
Valet Mode.....	107
Radio.....	107
Vehicle Settings.....	108
Bluetooth.....	108
Voice.....	108
Display.....	109
Rear Camera.....	109
Return to Factory Settings.....	109
Over-the-Air Software Updates.....	109
English and Metric Unit Conversion.....	110
Teen Driver.....	110
Accessing.....	110

Table of Contents

Register keys to activate (Pushbutton Start System).....	110
Keyed Ignition System.....	111
Manage Settings.....	111
Report Card	112
Delete Report Card Data.....	113
Forgotten PIN.....	113

Section 10 – Trademarks and License Agreements

FCC Information.....	115
iPod and iPhone.....	115
SiriusXM Satellite Radio.....	115
Bose.....	116
HD Radio Technology.....	116
DTS.....	117
Dolby.....	117
BDA.....	117
AVCHD.....	117
AVCREC.....	117
Java.....	117
Cinavia.....	117
RMVB.....	118
Bluetooth.....	118
Schedule I: Gracenote EULA.....	118
Gracenote Terms of Use.....	119
MPEG4–AVC (H.264).....	120

VC-1.....	120
MPEG4–Visual.....	120
MP3.....	120
WMA.....	120
Map End User License Agreement.....	121
END USER TERMS.....	121
TERMS AND CONDITIONS.....	121
Restrictions.....	121
Warning.....	121
No Warranty.....	121
Disclaimer of Warranty.....	122
Disclaimer of Liability.....	122
Export Control.....	122
Governing Law.....	122
Government End Users.....	123
Unicode.....	123
Free Type Project.....	123
iType.....	123
Open Source SW.....	124
QNX.....	124
Part C – EULA.....	124
WMA.....	125
END USER NOTICE.....	125

Section 11 – Index

Index.....	127
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SECTION 1 — FOREWORD

Preface

Your infotainment system has been engineered and manufactured so that it can provide trouble-free service. However, it is the owner's responsibility to see that the vehicle receives proper care.

Making modifications to various parts, components, and systems of your vehicle, such as brake, suspension, and steering systems, can adversely affect the quality and reliability of your vehicle. Such modifications must be avoided.

Cautions and Warnings

Throughout this manual, you will find Cautions and Warnings:



Warnings advise you of hazards, the consequences, and what to do to prevent them, not only to prevent damage to your vehicle or property, but to help prevent situations and occurrences, which could result in personal injury or death.



Cautions will advise you of the proper care to be taken to prevent damage to your vehicle or property.

Study this manual carefully. Do not operate your vehicle until you are completely familiar with the contents of this manual. Always retain this manual in your vehicle for reference. If you sell the vehicle, make sure the manual goes with it.

Assistance Guide

When parts are required, always provide the unit code number, vehicle model, and vehicle serial number. Request the salesperson to assist you in obtaining this information upon delivery.

For information not given in this manual, or if you require services of trained service personnel, we urge you to contact a nearby International dealer or phone 1-800-44-TRUCK (87825) for assistance.

Every customer is entitled to the best service, both from the product itself and from the firm that sells and services that product.

If, for any reason, you do not feel you are receiving these services in connection with the operation of your vehicle or the sales transaction, you should return to your selling dealer, so that these matters can be corrected to your satisfaction. If the matter is not resolved at that time, it is suggested that the following steps be taken:

Contact a Member of Management at the Dealer

Discuss the details of the difficulty. In most instances, any problem can be resolved to your satisfaction by the owner or manager in charge.

Foreword

Contact Closest Navistar, Inc. Regional Sales Office

Should you desire to contact any of these offices, it is important to include the following information in your communication:

- Name under which new vehicle was purchased, address, and telephone number of purchaser
- Vehicle model, year, vehicle identification number, component code, and serial number
- Vehicle delivery date and present mileage
- Location where purchased
- Details of the problem

Avoiding Distractions

Read the appropriate sections of this book to become familiar with your vehicle's infotainment system.



WARNING

To prevent property damage, personal injury and / or death, avoid distractions such as looking too long or too often at screen of the phone or the infotainment system. Taking your eyes off the road too long or too often could be dangerous. Focus your attention on driving. Use voice commands whenever possible.

The infotainment system has built-in features intended to help avoid distraction by disabling some functions when driving.

These functions may gray out when they are unavailable. Many infotainment features are also available through the instrument cluster and steering wheel controls.

Before driving:

- Become familiar with the operation, center stack controls, and infotainment display controls.
- Set up the audio by presetting favorite stations, setting the tone, and adjusting the speakers.
- Set up phone numbers in advance so they can be called easily by pressing a single control or by using a single voice command if equipped with Bluetooth phone capability.

See *Distacted Driving* in the vehicle Operation and Maintenance Manual. To play the infotainment system with the ignition off, see *Retained Accessory Power (RAP)* in the Operation and Maintenance Manual.

Active Noise Cancellation (ANC)

If equipped, ANC reduces engine noise in the vehicle's interior. ANC requires the factory-installed audio system, radio, speakers, amplifier (if equipped), induction system, and exhaust system to work properly. Deactivation is required by your dealer if related aftermarket equipment is installed.

Avoiding Untrusted Media Devices

When using media devices such as CDs, DVDs, Blu-ray Discs, SD cards, USB devices, and mobile devices, consider the source. Untrusted media devices could contain files that affect system operation or performance. Avoid use if the content or origin cannot be trusted.

Theft Deterrent Feature

TheftLock is designed to discourage theft of the vehicle's radio by learning a portion of the Vehicle Identification Number (VIN). The radio does not operate if it is stolen or moved to a different vehicle.

Component Code Numbers

Code numbers are the basis for identifying the components used on International® trucks. They are used by sales personnel to order the truck, by manufacturing to build that truck, and by parts personnel to service the truck. Many items in this manual are identified by codes.

Code numbers are a combination of numbers and / or letters. These codes are listed on the Line Set Ticket, which is sometimes known as the vehicle specification card or code sheet.

Line Set Ticket

Each vehicle is provided with a Line Set Ticket (code sheet), which lists identification code numbers of component units used to build the vehicle.

One copy of the Line Set Ticket is included in the literature provided with the vehicle. When replacement parts are required, take this copy with you to positively identify vehicle components to be sure of getting the correct parts.

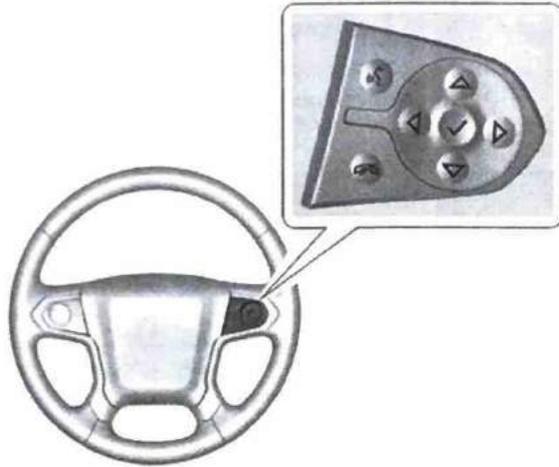
Be sure to return Line Set Ticket to vehicle after obtaining parts.

Infotainment System Feature Codes

Code	Infotainment System	Options
0008RNN	Base Radio	N/A
0008RNM	Base Radio with Touchscreen	N/A
0008RNV	Base Radio with Touchscreen	Satellite Radio
0008RNW	Uplevel Radio	Voice Recognition
0008RNR	Uplevel Radio	Voice Recognition, Satellite Radio
0008RNX	Uplevel Radio	Voice Recognition, Navigation
0008RNP	Uplevel Radio	Voice Recognition, Navigation, Satellite Radio

Steering Wheel Audio Controls

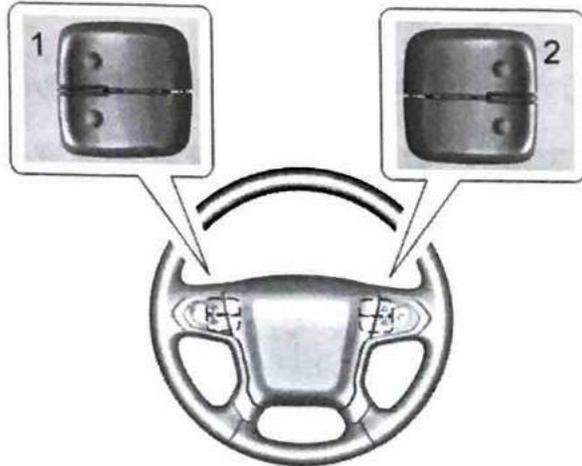
The following steering wheel controls are available for use with the infotainment system.



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- : Press to answer an incoming call or start voice recognition (if equipped). See *Bluetooth (Overview)* (page 59), *Bluetooth (Infotainment Controls)* (page 60), *Bluetooth (Voice Recognition)* (page 72).
- : Press to decline an incoming call or end a current call. Press to mute or unmute the infotainment system when not on a call.
-  or : On vehicles equipped with the base radio, press to go to the previous or next menu option. On vehicles equipped with the uplevel radio, press to go to the previous or next area of a display on the instrument cluster.
-  or : In vehicles equipped with the uplevel radio, press to go to the next or previous selection. In vehicles equipped with the uplevel radio, press to go up or down in a list on the instrument cluster.
- : Press to select a highlighted menu option.

The favorites and volume switches are on the back of the steering wheel.



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1. **Favorite:** When on a radio source, press to select the next or previous audio broadcast favorite. When listening to a media device, press to select the next or previous track.
2. **Volume:** Press to increase or decrease the volume.

Radio Reception

Frequency interference and static can occur during normal radio reception if items such as phone chargers, vehicle convenience accessories, and external electronic devices are plugged into the accessory power outlet. If there is interference or static, unplug the item from the accessory power outlet.

FM

FM signals only reach about 16 to 65 km (10 to 40 mi). Although the radio has a built-in electronic circuit that automatically works to reduce interference, some static can occur, especially around tall buildings or hills, causing the sound to fade in and out.

AM

The range for most AM stations is greater than for FM, especially at night. The longer range can cause station frequencies to interfere with each other. Static can also occur when things like storms and power lines interfere with radio reception. When this happens, try reducing the treble on the radio.

SiriusXM Satellite Radio Service

If equipped, SiriusXM Satellite Radio Service provides digital radio reception. Tall buildings or hills can interfere with satellite radio signals, causing the sound to fade in and out. In addition, traveling or standing under heavy foliage, bridges, garages, or tunnels may cause loss of the SiriusXM signal for a period of time.

Cell Phone Usage

Cell phone usage, such as making or receiving phone calls, charging, or just having the phone on may cause static interference in the radio. Unplug the phone or turn it off if this happens.

Infotainment System Care

Fixed Mast Antenna

The fixed mast antenna will go through most car washes as long as it is securely attached. If the antenna becomes slightly bent, straighten it out by hand. If it is badly bent, replace it.

Occasionally check that the antenna is tight at the base. If tightening is required, protect the paint from damage.

Multi-Band Antenna

The multi-band antenna is on the roof of the vehicle. The antenna is used for the SiriusXM Satellite Radio Service System and GPS (Global Positioning System), if equipped. Keep the

antenna clear of obstructions for clear reception. If the vehicle is equipped with a sunroof, and it is open, reception can also be affected. Items on the roof of the vehicle can interfere with the performance of the radio system. Make sure the multi-band antenna is not obstructed.

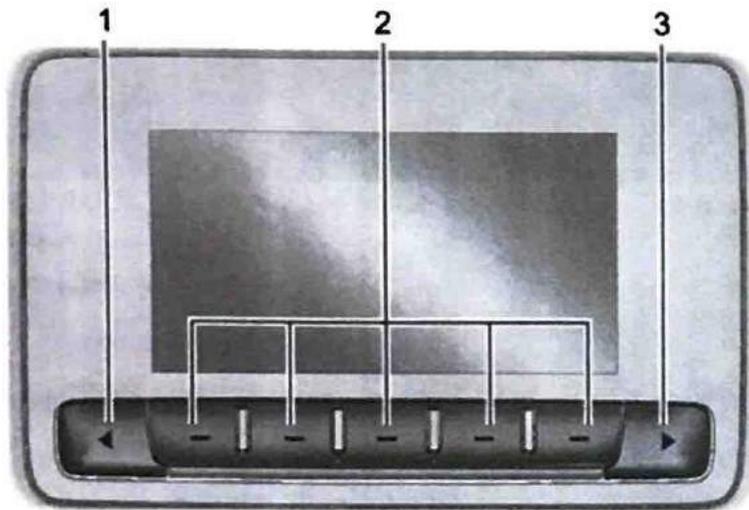
Cleaning Vehicle Information and Radio Displays

Use a microfiber cloth to wipe surfaces. Before wiping the surface with the microfiber cloth, use a soft bristle brush to remove dirt that could scratch the surface. Then use the microfiber cloth by gently rubbing to clean. Never use window cleaners or solvents. Periodically hand wash the microfiber cloth separately, using mild soap. Do not use bleach or fabric softener. Rinse thoroughly and air dry before next use.

SECTION 2 — BASE RADIO (00008BRNN)

Overview

Screen and Favorite Buttons

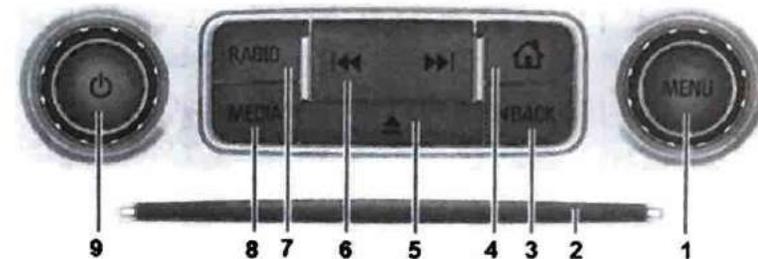


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1. Press ◀ to scroll down through the favorite pages for each source.
2. Favorites / Soft Keys
 - Press to select favorite stations.
 - Press and hold to save favorite stations.
 - Press to select a screen button when displayed.

3. Press ▶ to scroll up through the favorite pages for each source.

Audio Controls



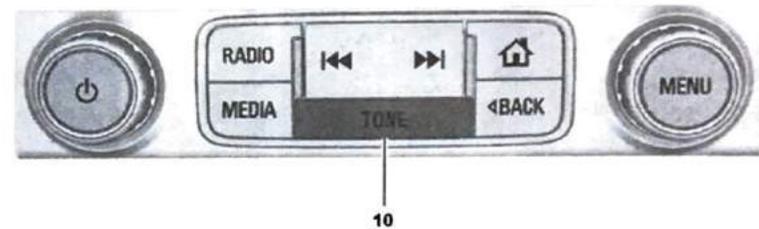
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1. MENU
 - Press to access the menu for the current audio source.
 - Press to select the highlighted menu option.
 - Turn to scroll through a list.
 - Turn to manually select a station.
2. CD Slot (If Equipped)
3. ◀ BACK. Press to return to the previous screen in a menu.
4. 🏠. Press to go to the Home Page from any point in the system. See *Home Page (Base Radio)* (page 9).

Base Radio (00008BRNN)

5.  Press to eject the CD (if equipped).
6.  or 
 - CD (If Equipped): Press  to seek the beginning of the current or previous track. If the track has played for less than five seconds, it seeks the previous track. If longer than five seconds, the current track will start from the beginning. Press  to seek the next track.
 - AM, FM, or SiriusXM (If Equipped): Press  or  to seek the previous or next strong station.
 - CD (If Equipped): Press and hold  to quickly reverse through a track. Release the button to return to playing speed. Press and hold  to fast forward through a track. Release the button to return to playing speed.
7. **RADIO**. Press to change the audio source between AM, FM, or SiriusXM, if equipped.
8. **MEDIA**. Press to change the audio source between CD, USB, AUX, and Bluetooth Audio, if equipped.
9. 
 - Press to turn the audio on.

- Press and hold to turn it off.
- When on, press to mute the system. Press again to unmute.
- Turn to increase or decrease the volume.



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10. **TONE**. Press to open the Tone Settings menu (if equipped).

Home Page (Base Radio)

Home Page Features

The infotainment system displays a Home Page that makes it easy to access all of the applications. Turn the MENU knob to highlight feature icons. Press the MENU knob to access the feature's options.

Various functions are disabled when the vehicle is moving.

Audio

Select AUDIO to display the active source page. The sources available are:

- AM, FM.
- SiriusXM (if equipped)
- USB / iPod
- AUX Input
- Bluetooth Audio (if equipped)

See *AM-FM Radio (Base Radio)* (page 12), *Satellite Radio (Base Radio)* (page 42), *Auxiliary Jack* (page 17), and *Bluetooth Audio* (page 18).

Phone

Select PHONE to display the Phone main page. See *Bluetooth (Overview)* (page 59) or *Bluetooth (Infotainment Controls)* (page 60).

Settings

Select SETTINGS to display the Settings main page. See *Setting Radio Preferences* (page 9) following.

Setting Radio Preferences

Select the SETTINGS screen icon to display the Settings menu and the following may display:

Time and Date

See *Clock* in the Vehicle Operation and Maintenance Manual.

Language (Current Language)

This will set the display language in the radio and instrument cluster. Select to display a list of languages. Select ◀ BACK to go back to the previous menu.

Valet Mode

Using the circular numeric keypad, enter a four-digit code:

1. Turn the MENU knob to highlight a number.
2. Press the MENU knob to select it. Do this for each one of the four digits. Select Enter to go to the confirmation screen.
3. Re-enter the four-digit code. Select LOCK to lock the system.
4. Enter the four-digit code to unlock the system. Select ◀ BACK to go back to the previous menu.

Base Radio (00008BRNN)

Radio

See *Radio Setup* (page 10) later in this section.

Vehicle

See *Vehicle Personalization* in the vehicle Operation and Maintenance Manual.

Display

Press the MENU knob to turn the display on or off.

Return to Factory Settings

See *Return to Factory Settings* (page 11) later in this section.

Software Information (If Equipped)

Press the MENU knob to select Save Vehicle Info to USB. Press the MENU knob again to start downloading the vehicle information to the USB.

Radio Setup

Press the RADIO button and the following may display:

Manage Favorites

Turn the MENU knob and press to select a favorite.

- To delete the selected favorite, press the button just below the DELETE screen button.
- To move the selected favorite, select MOVE. Turn the MENU knob to select a new location, then select DROP to select the new location.

Select ◀ BACK to go back to the previous menu.

Number of Favorites Shown

Select Auto and the system will automatically adjust the number of favorite pages when favorites are added and removed, or select a number from 5 - 25 to manually adjust the number of favorites shown.

Audible Touch Feedback (If Equipped)

Select Audible Touch Feedback to turn feedback off or on.

Auto Volume (If Equipped)

This feature adjusts the volume based on vehicle speed. The options are Off, Low, Medium-Low, Medium, Medium-High, or High. Select the desired volume.

Maximum Startup Volume

This feature sets the maximum startup volume. If the vehicle is started and the volume is greater than this level, the volume is decreased to this level. To set the maximum startup volume, turn the MENU knob to increase or decrease startup volume.

Return to Factory Settings

Select Return to Factory Settings and the following may display:

Restore Vehicle Settings

This option will restore factory vehicle personalization settings. Select Restore Vehicle Settings. A screen displays stating all vehicle customization settings will be restored to the factory settings. Select Cancel or Confirm.

Clear All Private Data (If Equipped)

This option clears all private information from the vehicle. Select Clear All Private Data. Select Cancel or Confirm.

Restore Radio Settings

This option will restore factory radio settings. Select Restore Radio Settings. A screen displays stating all personalized radio settings will be restored back to the factory settings. Select Cancel or Confirm.

English and Metric Unit Conversion

To change the display units between English and metric units, see *Driver Information Center (DIC) (Base Level)* or *Driver Information Center (DIC) (Uplevel)* or *Instrument Cluster* in the vehicle Operation and Maintenance Manual.

Base Radio (00008BRNN)

AM-FM Radio (Base Radio)

Playing The Radio

While on the audio main page, the following controls are available:

- Press the RADIO button to cycle through the available radio types: AM, FM, and SiriusXM (if equipped)
- Press the MEDIA button to cycle through the available media types: Bluetooth Audio (if equipped), USB, and AUX.
- Use the steering wheel controls to adjust the volume. See *Steering Wheel Controls* (page 4).

Radio Settings

Press the MENU knob to display the settings listed below. Then, turn the MENU knob to highlight the desired setting and press MENU again to select.

Also see the radio settings common for all sources, earlier in this section.

Tone Settings

- Bass, Midrange, and Treble: Turn the MENU knob and highlight. Press the MENU knob to select. Turn the MENU knob to adjust.

- Balance: Turn the MENU knob to highlight. Press the MENU knob to select. Turn the MENU knob left for more sound from the left speakers or right for more sound from the right speakers. The middle position balances the sound between the left and right speakers.
- Fade: Turn the MENU knob to highlight. Press the MENU knob to select. Turn the MENU knob to the left for more sound from the front speakers and to the right for more sound from the rear speakers. The middle position balances the sound between the front and rear speakers.
- DSP: If equipped with a Bose Surround sound system, it will have three DSP modes:
 - Normal: Adjusts the audio to provide the best sound for all seating positions.
 - Driver: Adjusts the audio to provide the best sound for the driver.
 - Centerpoint: Creates a surround sound from nearly any audio source.
- EQ (Equalizer): If equipped with a Bose sound system, turn the MENU knob to highlight. Turn the MENU knob to scroll through the options. Press the MENU knob to select. Press o BACK to go to the previous menu.

Station List

Select to display a list of AM or FM stations. Press ◀ BACK to go to the previous menu.

Auto Volume

If equipped, this feature adjusts the volume based on the vehicle speed. Select the level between Off, Low, Medium-Low, Medium, Medium-High, and High. Press ◀ BACK to go to the previous menu.

SXM View (Sirius XM only, if equipped)

SXM view allows the channel list to be viewed by channel name, artist playing on channel, or song playing on channel. Turn the MENU knob to highlight and press the MENU knob to select. Press ◀ BACK to go to the previous menu.

Channel List (Sirius XM only, if equipped)

Select to display a list of SiriusXM channels. Turn the MENU knob to highlight and press the MENU knob to select. Press ◀ BACK to go to the previous menu.

Finding a Station

- Press ◀◀ or ▶▶ to search for the previous or next strongest station.

- Turn the MENU knob to manually find a station.

Storing Radio Station Presets

Up to 25 preset stations from all bands can be stored in the favorite lists in any order. Up to five stations can be stored in each favorite page and the number of favorites can be set.

While on the active source main page, such as AM, FM, or SiriusXM (if equipped), press and hold a favorites/soft key button on the center stack to store the current station.

Mixed-Audio Favorites

Media (if equipped) and Broadcast favorites can be stored.

To display the favorites page, press ◀ or ▶ on the center stack.

To manage favorites, see *Manage Favorites* (page 10) under *Home Page (Base Radio)* (page 9).

CD Player

If the vehicle is equipped with a CD player, it can be used for CD and MP3 audio.

With the vehicle on, insert a disc into the slot, label side up. Press the **MEDIA** button to select CD as a source.

The system is capable of playing most:

- Audio CDs
- CD-R
- CD-RW
- MP3 or unprotected WMA formats

When playing any compatible recordable disc, the sound quality can be reduced due to disc quality, the method of recording, the quality of the music that has been recorded, or the way the disc has been handled.

There can be increased skipping, difficulty in finding tracks, and/or difficulty in loading and ejecting. If these problems occur, check the disc for damage or try a known good disc.

To avoid damage to the CD player:

- Do not use scratched or damaged discs.
- Do not apply labels to discs. The labels could get caught in the player.
- Insert only one disc at a time.
- Keep the loading slot free of foreign materials, liquids, and debris.

- Use a marking pen to label the top of the disc.

Loading and Ejecting Discs

To load a disc:

1. Turn the vehicle on.
2. Insert a disc into the slot, label side up. The player pulls it in the rest of the way. If the disc is damaged or improperly loaded, there is an error and the disc ejects.

Playing an Audio CD

Press **MEDIA** until CD is selected.

On the CD main page, either a track number displays at the beginning of each track, or Song, Artist, and Album information displays when available.

Use the following screen controls to play the disc:



While on the CD main page:

- Touch to seek to the beginning of the current or previous track. If the track has been playing for less than five seconds, it seeks to the previous track. If longer than five seconds, the current track starts from the beginning.
- Touch and hold to fast reverse through a track. Release the button to return to playing speed. Elapsed time displays.

- ▶ While on the CD main page:
- Touch to seek to the next track.
 - Touch and hold to fast forward through a track. Release the button to return to playing speed. Elapsed time displays.
- ||▶ While on the CD main page, touch to pause. Touch again to resume.
- ⌘ Touch ⌘ to play the songs in random order. Touch again to turn off.

If a Blu-ray Disc or DVD disc is loaded into the disc player and the CD screen button is selected, a message comes on the screen to use the Video application. The Video application is only available on vehicles with Rear Seat Entertainment (RSE).

CD Menu

While on the CD main page, press the MENU knob to display the CD menu and the following may display:

Browse

Select to display the files or songs on the CD.

Tone Settings

Select to adjust Bass, Midrange, Treble, Balance, Fade, and EQ (Equalizer). See *Tone Settings* under AM-FM Radio (Base Radio with Touchscreen) (page 21) or AM-FM Radio (Base Radio) (page 12).

Auto Volume

If equipped, this feature adjusts the volume based on the vehicle speed. Select the level between Off, Low, Medium-Low, Medium, Medium-High, and High. Press BACK to go to the previous menu.

DSP

If equipped, this feature adjusts the pre-defined settings. See *DSP* in AM-FM Radio (Base Radio with Touchscreen) or AM-FM Radio (Base Radio).

EQ (Equalizer)

If equipped, this feature adjusts the equalizer settings. See *EQ (Equalizer)* (page 12) in AM-FM Radio (Base Radio with Touchscreen) or AM-FM Radio (Base Radio).

Base Radio (00008BRNN)

Error Messages

If Disc Error displays and/or the disc comes out, it could be for one of the following reasons:

- The disc has an invalid or unknown format.
- The disc is very hot. Try the disc again when the temperature returns to normal.
- The road is very rough. Try the disc again when the road is smoother.
- The disc is dirty, scratched, wet, or upside down. The air is very humid. Try the disc again later.
- There was a problem while burning the disc.
- The label is caught in the CD player.

If Disc Player Error displays, it could be for one of the following reasons:

- The player temperature is too high.
- There are load or eject errors.

If the CD is not playing correctly for any other reason, try a CD that you know has worked before.

If any error continues, contact your dealer.

Playing an MP3 CD

To play an MP3 CD, follow the same instructions as *Playing an Audio CD* (page 14).

The following guidelines must be met when creating an MP3 disc, otherwise the CD might not play:

- Sampling rate: 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, and 48 kHz
- Bit rates supported: 8, 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160, 192, 224, 256, and 320 kbps
- Maximum number of folders: eight folders with 255 files per folder
- Maximum of 1,000 files on a disc
- Recorded on a CD-R or CD-RW

Root Directory

The root directory is treated as a folder. All files contained directly under the root directory are accessed prior to any root directory folders.

Empty Folders

If a root directory or folder is empty or contains only folders, the player advances to the next folder in the file structure that contains a compressed audio file. The empty folder(s) are not displayed or numbered.

No Folder

When the CD only contains compressed audio files without any folders, all files are under the root folder.

Auxiliary Jack

This vehicle may have an AUX jack in the center console or armrest.

Possible auxiliary audio sources include:

- Laptop computer
- Audio music player

This jack is not an audio output. Do not plug headphones into the auxiliary input jack. Auxiliary devices should be set up while the vehicle is in P (Park).

Playing from the AUX Jack

Connect a 3.5 mm (1/8 in) cable from the auxiliary device to the auxiliary input jack.

If an auxiliary device has already been connected, but a different source is currently active, repeatedly press MEDIA on the center stack to scroll through all of the available audio source screens, until the AUX source screen is shown.

An auxiliary device is played through the audio system and controlled through the device itself.

AUX Menu

Press the MENU knob to display the AUX menu and the following may display:

Tone Settings: Select to adjust Bass, Midrange, Treble, Balance, Fade, and EQ (Equalizer). See *Tone Settings* under AM-FM Radio (Base Radio with Touchscreen) (page 21) or AM-FM Radio (Base Radio) (page 12).

Auto Volume: If equipped, see *Playing an Audio CD* (page 14) previously in this section.

DSP: If equipped, this feature adjusts the pre-defined settings. See *DSP* in AM-FM Radio (Base Radio with Touchscreen) or AM-FM Radio (Base Radio).

EQ (Equalizer): If equipped, this feature adjusts the pre-defined equalizer settings. See *EQ (Equalizer)* (page 12) in AM-FM Radio (Base Radio with Touchscreen) or AM-FM Radio (Base Radio).

Bluetooth Audio

If equipped, music may be played from a paired Bluetooth device. See *Pairing* (page 60) under Bluetooth (Overview) or Bluetooth (Infotainment Controls) for help pairing a device.

Volume and song selection may be controlled by using the infotainment controls or the phone/device. If Bluetooth Audio is selected and nothing is heard, check the volume setting on both the phone/device and the infotainment system.

Launch music by touching MEDIA on the Home Page.

Playing Music

To play music via Bluetooth:

1. Power on the device, and pair to connect the device.
2. Once paired, go into the audio application from the Home Page or via the application tray. Select MEDIA until Bluetooth displays.

Bluetooth Audio Menu

Press the MENU screen button to display the Bluetooth Audio menu. The following may be available:

Tone

Turn the MENU knob to adjust the tone settings.

Press ◀ BACK to go back to the previous menu.

Manage Bluetooth Devices

Select to go to the Bluetooth page to add or delete devices.

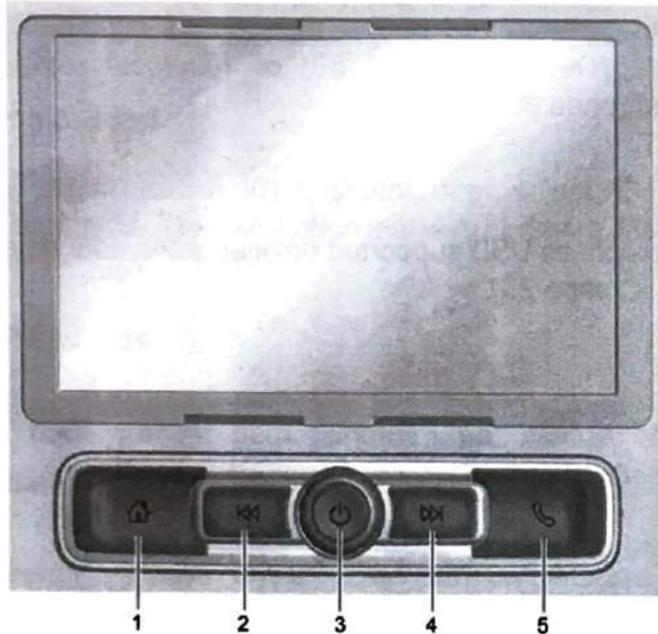
When selecting Bluetooth Audio, the radio may not be able to launch the audio player on the connected device to start playing. When the vehicle is not moving, use the phone to begin playback.

All devices launch audio differently. When selecting Bluetooth Audio as a source, the radio may show as paused on the screen. Press play on the device or press ▶ to begin playback.

Some phones support sending Bluetooth music information to display on the radio. When the radio receives this information, it will check to see if any is available and display it.

SECTION 3 — BASE RADIO WITH TOUCHSCREEN (0008RNM OR 0008RNV)

Overview



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1.  Press to go to the Home Page. See *Home Page (Base Radio with Touchscreen)* (page 20).
2. 
 - Radio: Press and release to go to the previous station or channel. Press and hold to fast seek the next strongest previous station or channel.
 - USB / Bluetooth Music / Pictures: Press and hold to go to the previous content. Press and hold to fast rewind.
3. 
 - Press to turn the power on.
 - Press and hold to turn the power off.
 - Press to mute the system when on.
 - Turn to decrease or increase the volume.
4. 
 - Radio: Press and release to go to the next station or channel. Press and hold to fast seek the next strongest station or channel.
 - USB / Bluetooth Music/ Pictures: Press and hold to go to the next content. Press and hold to fast forward.
5.  Press and release to access the phone screen, answer an incoming call, or access the device home screen. Press and hold to access Press to Talk.

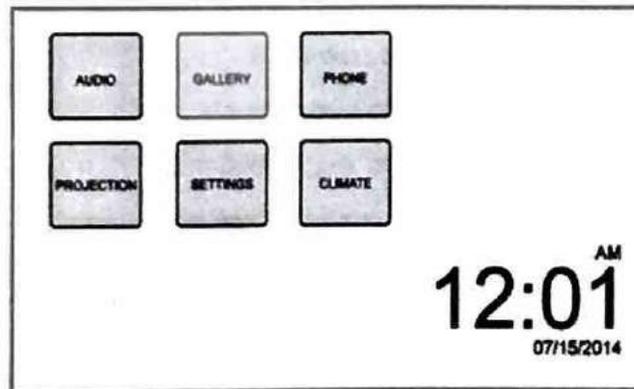
Base Radio with TouchScreen (0008RNM or 0008RNV)

Home Page (Base Radio with Touchscreen)

Touchscreen Buttons

Touchscreen buttons show on the screen when available. When a function is unavailable, the button may gray out. When a function is selected, the button may highlight.

Home Page Features



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Press  to go to the Home Page.

Audio

Touch to select AM, FM, SiriusXM (if equipped), USB/iPod/Bluetooth Audio, or AUX.

Gallery

Touch to view a picture or movie.

Phone

Touch to activate the phone features (if equipped). See *Bluetooth (Overview)* (page 59) or *Bluetooth (Infotainment Controls)* (page 60).

Projection

Touch to access USB supported devices when connected. See *USB Port* (page 23).

Settings

Touch to access the Personalization menu. See *Vehicle Personalization*.

Climate

Touch to access the Climate menu. See *Climate Control Systems (with Heater Only)* or *Climate Control Systems (with Air Conditioning)*.

AM-FM Radio (Base Radio with Touchscreen)

Playing the Radio

 : Press to turn on, mute, or unmute the system. Press and hold to turn off the system.

 : Press to go to the Home Page.

Selecting a Band

Press , then touch AUDIO, Source, then select AM, FM, or SXM, if equipped. The last station that was playing starts playing again.

System Settings

Auto Volume

This feature automatically adjusts the radio volume to compensate for road and wind noise.

The level of volume compensation can be selected, or the feature can be turned off.

1. Touch MENU from a source screen.
2. Select Auto Volume.
3. Select the desired setting.

4. Touch  to go back to the source screen.

Tone Settings

The tone settings can be set for each radio band and each audio player source.

1. Touch MENU.
2. Touch Tone Settings.
3. Select a preset tone setting or select Custom.
4. Adjust the selected tone setting:
 - Bass, Midrange, or Treble: Touch - or +.
 - Fader or Balance: Adjust the front/rear or left/right speakers by dragging the dot in the vehicle image on the screen.
5. Touch  to go back to the source screen.

Selecting an Auxiliary Device

Connect the auxiliary device to the AUX input terminal. Play will begin when the system has finished reading the information on the device.

If the AUX device is already connected, press , AUDIO, Source, then select the device.

Base Radio with TouchScreen (0008RNM or 0008RNV)

Selecting a Station

Seek Tuning

If the radio station is not known:

Press \llcorner or \lrcorner to automatically search for available radio stations.

Manual Tuning

Continue touching \llcorner or \lrcorner to manually change the radio station.

Direct Tune

From the AM or FM menu:

1. Touch Tune.
2. Enter the station number.
3. Touch Go or \llcorner or \lrcorner to go to the previous or next station.

Favorite

1. Touch \langle or \rangle to scroll through the favorites.
2. Touch a station to select it.

Station List

1. From the AM or FM menu, touch MENU.
2. Select Station List.

3. Touch \blacktriangle or \blacktriangledown to scroll through the list.
4. Touch a station to select it.

Update Station List

1. From the AM or FM menu, touch MENU.
2. Touch Update Station List. The broadcasting list updating will begin.

During the AM or FM broadcasting list update, touch Cancel to stop the updates.

Storing a Station as a Favorite

Stations from all bands can be stored in any order in the favorite pages. Up to 25 stations can be stored.

To store the current station to a position in the list, touch the corresponding button 1 - 5 until a beep is heard.

1. Select the desired station.
2. Touch \langle or \rangle to select the desired page of saved favorites.
3. Touch and hold down any of the preset buttons to save the current radio station to that button of the selected favorites page.

To change a preset button, tune to the new desired radio station and touch and hold the preset button.

USB Port

Using the USB Port

The infotainment system can play music by connecting an auxiliary device to the USB port.

USB Support

If equipped, there may be USB ports in the center console and in the upper glove box.

USB Supported Devices

- USB Flash Drives
- Portable USB Hard Drives

Not all iPods and USB drives are compatible with the USB port.

Make sure the iPod has the latest firmware from Apple for proper operation. iPod firmware can be updated using the latest iTunes application. See www.apple.com/itunes.

For help with identifying your iPod, see www.apple.com/support.

The USB port can play mp3, .wma, .ogg, and .wav files stored on a USB storage device.

USB Supported File and Folder Structure

The infotainment system supports:

- FAT16
- FAT32

- exFAT

Connecting a USB Storage Device or iPod / iPhone

To connect a USB storage device, connect the device to the USB port.

To connect an iPod / iPhone, connect one end of the device's cable to the iPod / iPhone and the other end to the USB port.

The iPod / iPhone charges while it is connected to the vehicle if the ignition is ON or in the ACC (Accessory) position. See *Ignition Positions* in the Vehicle Operation and Maintenance Manual. When the vehicle is turned OFF, the iPod / iPhone automatically powers off and will not charge or draw power from the vehicle's battery.

For more information on USB usage, see *Audio System Information* (page 23) following.

Audio System Information

The infotainment system can play the music files contained in the USB storage device or iPod / iPhone products.

Using MP3 / WMA / OGG / WAV Files

- Music files with .mp3, .wma, .ogg, and .wav file name extensions can be played.
- MP3 files that can be played: Bit rate: 8 kbps to 320 kbps. Sampling frequency: 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz, and 16 kHz.

Base Radio with TouchScreen (0008RNM or 0008RNV)

- Files with a bit rate above 128 kbps will result in higher quality sound.
- ID3 Tag information for MP3 files, such as the album name and the artist, can be played.
- To display album title, track title, and artist information, the file should be compatible with the ID3 Tag V1 and V2 formats.

Using USB Storage Devices and an iPod / iPhone

- Use a USB or flash memory type storage device. Do not connect using a USB adaptor.
- Do not connect and reconnect the USB device repeatedly in a short time, as this may cause static electricity and problems using the device.
- Use a USB device with a metal connecting terminal.
- Connection with i-Stick Type USB storage devices may be faulty due to vehicle vibration.
- Do not touch the USB connecting terminal.
- Only USB storage devices formatted in FAT16/32 or exFAT file systems are recognized. NTFS and other file systems are not recognized.
- The time it takes to process files will depend on the USB storage device type and capacity, and the type of files stored.
- Some USB storage device files may not be compatible.
- Up to two USB devices and one iPod can be played through a USB hub. All devices may not be supported, depending on the performance of the USB hub. If there is not enough power supply, it may not operate normally.
- Do not disconnect the USB storage device while it is playing. This may cause damage to the product or affect the performance of the USB device.
- Disconnect the USB storage device when the ignition is turned off. If the ignition is turned on while the USB device is connected, the USB device may be damaged or may not operate normally.
- USB storage devices can only be connected for playing music, viewing photo files, or upgrading.
- Do not use the USB terminal to charge USB accessory equipment. The heat generated may cause performance issues or damage.
- Music files to which Digital Right Management (DRM) is applied cannot be played.
- USB storage device that are in capacity with a limit of 5,000 files, such as music, photo, video, 15 stages of folder structure can be used. Normal usage cannot be guaranteed for a storage device that exceeds this limit. The iPod / iPhone can play all music files that are supported. The music file lists will only display up to 5,000 files on the screen. These files are sorted in alphabetical order.
- Some iPod / iPhone product models may not support the connectivity or functionality of this product.

- Only connect the iPod / iPhone with connection cables supported by iPod / iPhone products. Other connection cables cannot be used.
- The iPod / iPhone may be damaged if it is connected to the vehicle with the ignition on. When not in use, disconnect the iPod / iPhone.
- When the iPod / iPhone is connected to the USB port by using the iPod / iPhone cable, the Bluetooth music is not supported.
- The iPod / iPhone playback functions and the information displayed may be different when played on the infotainment system.

	Step 1	Step 2
Playlists	Playlists	Songs
Artists	Albums/ All Songs	Songs
Albums	Albums	Songs
Songs	Songs	
Genres	Albums/ All Songs	Songs
Composer	Albums/ All Songs	Songs
Audiobooks	Songs	

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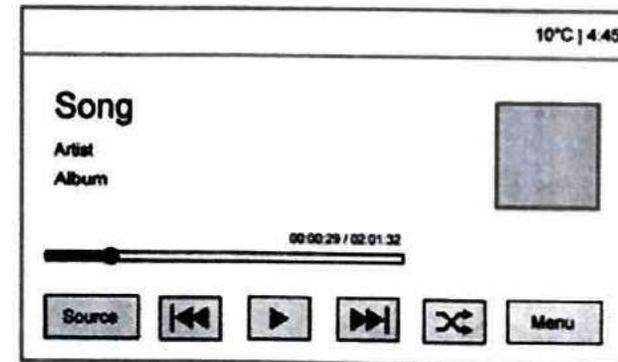
- Refer to the table for the classification items related to the search function provided by the iPod / iPhone.

USB Player

Playing Music from a USB Device

Connect the USB device to the USB port.

- Play will start automatically after the system has finished reading the USB device.
- If a non-readable USB device is connected, an error message displays and the system will switch to the previous audio function.



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If the USB device is already connected:

1. Press .
2. Touch AUDIO.
3. Touch Source.
4. Touch USB.

Base Radio with TouchScreen (0008RNM or 0008RNV)

To stop the USB device and select another media source, touch Source, then select the other source.

To remove the USB device, select another function, then remove the USB device.

Pause

- Touch **II** to pause.
- Touch **▶** to resume.

Changing to Next / Previous File

- Touch **▶▶** to change to the next file.
- Touch **◀◀** within five seconds of the playback time to play the previous file.

Returning to the Beginning of the Current File

Touch **◀◀** after five seconds of the playback time.

Scanning Forward or Backward

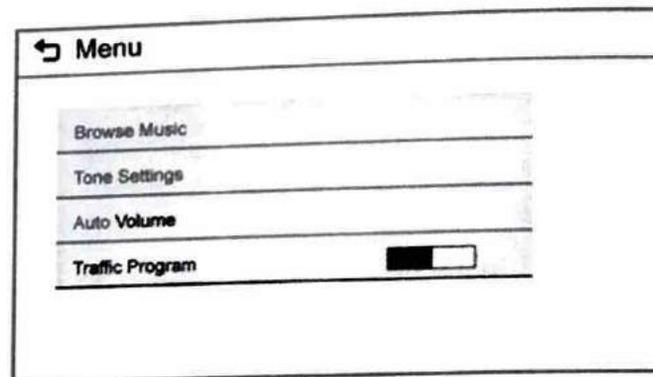
Touch and hold **◀◀** or **▶▶** during playback to rewind or fast forward. Release the button to resume playback at normal speed.

Playing a File Randomly

Touch **⌘** during playback.

- **ON**: Plays all files randomly.
- **OFF**: Returns to normal playback.

Using the USB Music Menu



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1. Touch Menu during playback.
2. Touch the desired menu.

Browse Music

1. Touch Browse Music.
2. Touch the desired music.

Tone Settings

Touch Tone Settings. The Tone Settings menu is displayed. See *Tone Settings* in AM-FM Radio (Base Radio with Touchscreen) (page 21) or AM-FM Radio (Base Radio) (page 12).

Auto Volume

Touch Auto Volume. The Auto Volume menu is displayed. See *Auto Volume* in AM-FM Radio (Base Radio with Touchscreen) (page 21) or AM-FM Radio (Base Radio) (page 13).

Traffic Program (If Equipped)

Touch On or Off.

MTP (Media Transfer Protocol)

Connect an MTP supported device.

- Play will start automatically after the system has finished reading the MTP device.
- If a non-readable MTP device is connected, an error message displays and the system will switch to the previous audio function.

iPod / iPhone Player

This feature is limited to models supporting the iPod / iPhone connection

Playing Music Files

Connect the iPod / iPhone to the USB port.

- Play will start from the previously played point after the system has finished reading the USB device.

- If a non-readable USB device is connected, an error message displays and the system will switch to the previous audio function.

If the iPod / iPhone is already connected:

1. Press .
2. Touch AUDIO.
3. Touch Source.
4. Touch iPod.

To stop the device and select another media source, touch Source, then select the other source.

To remove the device, select another function, then remove the device.

Pause

- Touch  to pause.
- Touch  to resume.

Changing to Next / Previous File

- Touch  to change to the next file.
- Touch  within two seconds of the playback time to play the previous file.

Returning to the Beginning of the Current File

Touch  after two seconds of the playback time.

Base Radio with TouchScreen (0008RNM or 0008RNV)

Scanning Forward or Backward

Touch and hold ◀◀ or ▶▶ during playback to rewind or fast forward. Release the button to resume playback at normal speed.

Playing a File Randomly

Touch ⌘ during playback.

- **ON:** Plays all files randomly.
- **OFF:** Returns to normal playback.

Using the iPod Menu

1. Touch Menu during playback.
2. Touch the appropriate play mode.

Browse Music

1. Touch Browse Music
2. Touch the desired music.

Tone Settings

Touch Tone Settings. The Tone Settings menu is displayed. See *Tone Settings* under AM-FM Radio (Base Radio with Touchscreen) (page 21) or AM-FM Radio (Base Radio) (page 12).

Auto Volume

Touch Auto Volume. The Auto Volume menu is displayed. See *Auto Volume* in AM-FM Radio (Base Radio with Touchscreen) (page 21) or AM-FM Radio (Base Radio) (page 13).

Picture System Information

The infotainment system can view picture files stored on a USB storage device and devices that support Media Transfer Protocol (MTP). Supported file extensions:

- .jpg, .bmp, .png, .gif.
- Animated GIF files are not supported.
- Some files may not operate due to a different recording format or the condition of the file.

Viewing Pictures

Connect the USB device to the USB port.

- Touch the screen to open to full screen.
- Touch the screen again to return to the previous screen.

If the USB device is already connected:

1. Press .
2. Touch GALLERY.

Some features are disabled while the vehicle is in motion.

Viewing a Slide Show

- Touch  from the picture screen.
- Touch the screen to cancel the slide show during the slide show playback.

Viewing a Previous or Next Picture

Touch < or > from the picture screen

Rotating a Picture

Touch  from the picture screen.

Enlarging a Picture

Touch  from the picture screen.

Using the USB Picture Menu

1. Touch MENU from the picture screen.
2. Touch the appropriate menu:
 - Slide Show Time: Allows selection of the slide show interval.
 - Clock, Temp. Display: Allows selection of On or Off to show the clock and temperature on the full screen.
 - Display Settings: Adjusts for Brightness and Contrast.
3. Touch  to exit.

Auxiliary Jack

This vehicle may have an AUX jack in the center console or armrest. Possible auxiliary audio sources include:

- Laptop computer
- Audio music player

This jack is not an audio output. Do not plug headphones into the auxiliary input jack. Auxiliary devices should be set up while the vehicle is in Park (P).

Connecting the Device and Playing Music

1. Connect a 1/8 in (3.5 mm) cable from the auxiliary device output (headphone jack) to the auxiliary input jack.
2. Play will begin when the system has finished reading the information on the device.

To adjust the tone settings, see *Audio Settings* in "System Settings" under AM-FM Radio (Base Radio with Touchscreen) or AM-FM Radio (Base Radio) (page 12).

Playing Music From a Device That is Already Connected

To play the music from the device, if the device is already connected:

1. Press .
2. Touch AUDIO.
3. Touch Source.
4. Touch AUX.

Bluetooth Audio

If equipped, music may be played from a paired Bluetooth device. See *Pairing* (page 60) under Bluetooth (Overview) or Bluetooth (Infotainment Controls) for help pairing a device.

Volume and song selection may be controlled by using the infotainment controls or the phone/device. If Bluetooth Audio is selected and nothing is heard, check the volume setting on both the phone/device and the infotainment system.

Launch music by touching MEDIA on the Home Page.

Playing Music

To play music via Bluetooth:

1. Power on the device, and pair to connect the device.
2. Once paired, go into the audio application from the Home Page or via the application tray. Select MEDIA until Bluetooth displays.

Bluetooth Audio Menu

Press the MENU screen button to display the Bluetooth Audio menu. The following may be available:

Tone

Turn the MENU knob to adjust the tone settings.

Press ◀ BACK to go back to the previous menu.

Manage Bluetooth Devices

Select to go to the Bluetooth page to add or delete devices.

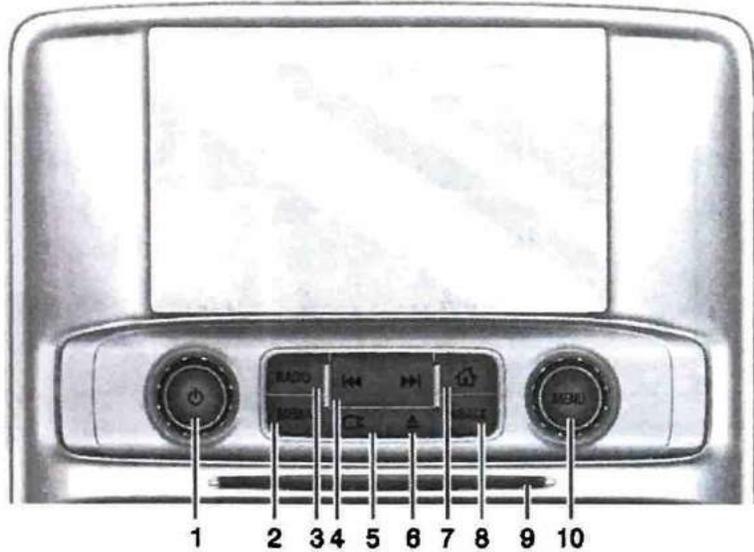
When selecting Bluetooth Audio, the radio may not be able to launch the audio player on the connected device to start playing. When the vehicle is not moving, use the phone to begin playback.

All devices launch audio differently. When selecting Bluetooth Audio as a source, the radio may show as paused on the screen. Press play on the device or press ▶ to begin playback.

Some phones support sending Bluetooth music information to display on the radio. When the radio receives this information, it will check to see if any is available and display it.

SECTION 4 — UPLEVEL RADIO (0008RNP, 0008RNR, 000RNW, OR 000RNX)

Overview



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1. (Power)

- When off, press to turn the system on. Press and hold to turn off.
- When on, press to mute the system. Press again to unmute the system.
- Turn to increase or decrease the volume.

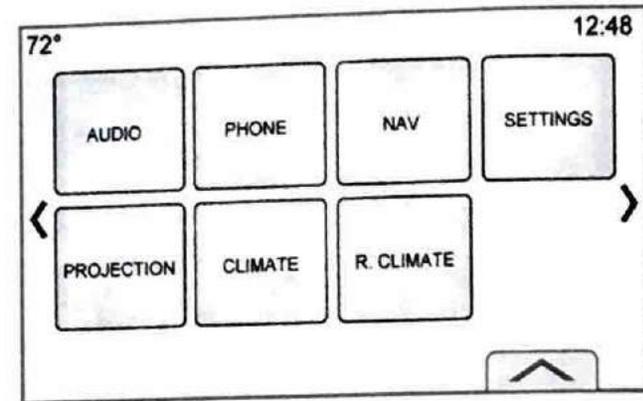
When the power is on and the system is not muted, pressing this button briefly will display a quick status pane and mute the system. A longer press is required to actually switch off the system.

2. MEDIA. Press to change the media source to USB, CD, Bluetooth, or AUX.
 3. RADIO. Press to change the audio source to AM, FM, or SXM (if equipped).
 4. 
 - AM or FM: Press to seek to the previous strong station. See *AM-FM Radio* (page 37).
 - CD, USB, AUX, or Bluetooth Audio: Press to seek to the beginning of the current or previous track.
 - CD, USB, AUX, or Bluetooth Audio: Press and hold to quickly reverse through a track. Release to return to playing speed. See *CD Player, USB Port, Auxiliary Jack* (page 17), or *Bluetooth Audio* (page 18).
- 
- AM or FM: Press to seek to the next strong station.
 - CD, USB, AUX, or Bluetooth Audio: Press to seek the next track.
 - CD, USB, AUX, or Bluetooth Audio: Press and hold to fast forward through a track. Release to return to playing speed. See *CD Player, USB Port, Auxiliary Jack* (page 17), or *Bluetooth Audio* (page 18).

Uplevel Radio (0008RNP, 0008RNR, 000RNX, or 000RNX)

5.  (Screen). If equipped with storage behind the radio, press  and hold to open. There is a USB port inside. Press  and hold again to close. Keep the storage area closed when not in use. See the *Operation and Maintenance Manual*.
6.  (Eject). Press to eject the CD.
7.  (Home Page). Press to go to the Home Page. See *Home Page (Upscale Infotainment System)* (page 32) in this section.
8.  BACK. Press to return to the previous display in a menu.
9. CD Slot
10. MENU. Turn to highlight a feature. Press to activate the highlighted feature.

Home Page (Uplevel Radio)



0000430024

The Home Page is where vehicle application icons are accessed. Some applications are disabled when the vehicle is moving.

The Home Page can be set up to have up to five pages with eight icons per page.

-  : Touch to go to the previous page.
-  : Touch to go to the next page.
-  : Touch to display the favorites list.

Touch a preset in the favorites to begin the process of saving a favorite application.

Touch and hold the application icon to store as a favorite. The name of the application will show in favorites.

Managing Home Page Icons

1. Touch and hold any of the Home Page icons to enter edit mode.
2. Continue holding the icon and drag it to the desired position.
3. Release your finger to drop the icon in the desired position.
4. To move an application to another page, drag the icon to the edge of the display toward the desired page.
5. Continue dragging and dropping application icons as desired.
6. Press  to exit edit mode.

Using The System

Infotainment Display Features

Infotainment display features show on the screen when available. When a feature is unavailable, the option may gray out. When a feature is selected, the option may highlight.

Home Page Features

Touch the icons on the Home Page to launch an application.

Audio

Touch the Audio icon to display the active audio source page. Available sources are AM, FM, SXM (if equipped), CD (if equipped), MyMedia, USB, Bluetooth, and AUX Input.

Phone

Touch the Phone icon to display the Phone main page. See *Bluetooth (Overview)* (page 67), *Bluetooth (Infotainment Controls)* (page 60), *Bluetooth (Voice Recognition)* (page 72).

Projection

Touch the Projection icon to activate Android Auto or Apple CarPlay (if equipped) after a supported device is connected. See *Apple CarPlay* (page 65) and *Android Auto* (page 65).

Apps

If equipped, in-vehicle apps are available for download. Touch the APPS icon on the MyLink Home Page to begin.

Downloading and using apps requires Internet connectivity and a data plan, which can be accessed through the vehicle's built-in 4G LTE Wi-Fi hotspot, if equipped, or a compatible mobile device hotspot. On most mobile devices, activation of the Wi-Fi hotspot is in the vehicle's Settings menu under Mobile Network Sharing, Personal Hotspot, Mobile Hotspot, or similar.

To purchase data for the in-vehicle Wi-Fi hotspot, if equipped, touch APPS on the MyLink Home Page or contact an OnStar Advisor. The vehicle must have active OnStar service and a payment method on file.

Uplevel Radio (0008RNP, 0008RNR, 000RNW, or 000RNX)

Availability of apps and connectivity varies by vehicle, conditions, and location. Data plan rates apply.

NAV

Touch the Nav icon to display the navigation map or OnStar Turn-by-Turn Navigation. See *Using the Navigation System* or *OnStar Overview* in the Operation and Maintenance Manual.

Settings

Touch the Settings icon to display the Settings menu. See *Settings* (page 21).

Lighting

If equipped, touch the Lighting icon to display Settings on the infotainment display for the ambient light modes. See *Interior Lighting* in the Operation and Maintenance Manual.

Weather

If equipped, touch the Weather icon to display the Weather main page. See *SiriusXM Travel Link Weather* under Destination.

Video

If equipped, touch the Video icon to display the video Rear Seat Infotainment main page. See *Rear Seat Infotainment (RSI) System*.

Applications Tray



0000430020

The applications tray is at the top-center of the display. The applications tray can have three to five applications.

To add an application from the Home Page to the applications tray:

1. Touch and hold any icon on the Home Page to enter edit mode.
2. Drag the icon to the applications tray.

To remove an item from the applications tray, drag the icon from the applications tray back to the Home Page.

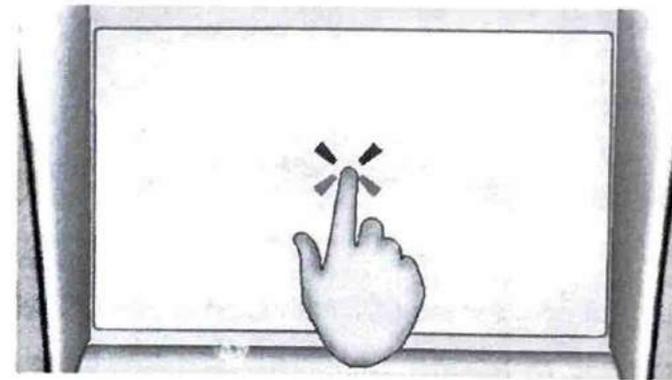
Press  to exit edit mode.

Adding or removing applications from the applications tray will not remove them from the Home Page.

Infotainment Gestures

Use the following finger gestures to control the infotainment system.

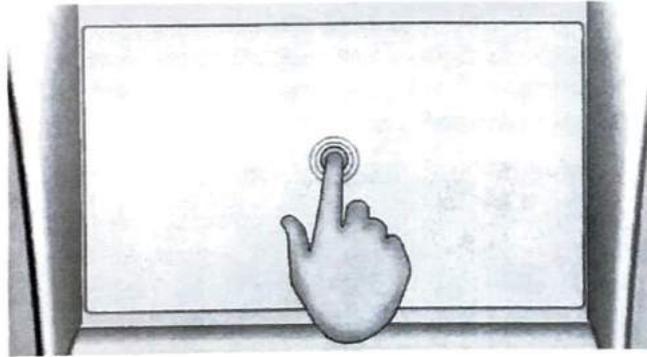
Touch / Tap



0000430016

Touch / tap is used to select an icon or option, activate an application, or change the location inside a map.

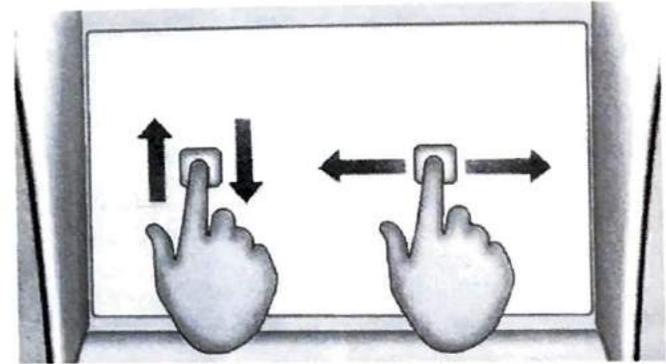
Touch and Hold



0000430017

Touch and hold can be used to start another gesture, move, or delete an application.

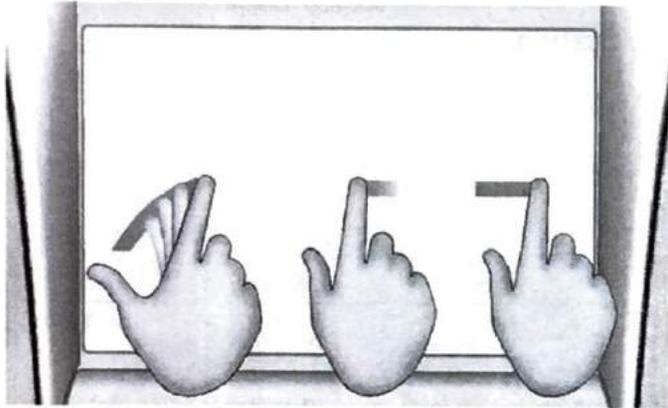
Nudge



0000430018

Nudge is used to move items a short distance on a list or a map. To nudge, hold and quickly move the selected item up or down to a new location.

Fling or Swipe



0000430019

Fling or swipe is used to scroll through a list, pan the map, or change page views. Do this by placing a finger on the display then moving it rapidly up and down or right and left.

Turn **MENU** or  on the center stack to perform functions such as tuning the radio or scrolling lists.

AM-FM Radio (Uplevel Radio)

Playing the Radio

While on the Audio main page, the available sources are: AM, FM, SXM (if equipped), CD (if equipped), USB, Bluetooth, and AUX Input.

- Press **RADIO** on the center stack or touch the Audio icon on the Home Page to scroll through AM, FM, or SiriusXM (if equipped).
- Press **MEDIA** on the center stack or touch the Audio icon on the Home Page to scroll through CD (if equipped), USB, Bluetooth, and AUX Input.

Infotainment System Settings

Press **RADIO** on the center stack to access broadcast sources.

Touch the Menu icon on the infotainment display or press **MENU** on the center stack to display the following menus:

Tone Settings

- **Bass, Midrange, Treble, Surround (If Equipped):** Touch + or - to adjust. Surround adjusts the headrest speaker volume only.
- **Balance:** Touch < or > for more sound from the left or right speakers. The middle position balances the sound between the left and right speakers.

Uplevel Radio (0008RNP, 0008RNR, 000RNX, or 000RNX)

- **Fade:** Touch \wedge or \vee for more sound from the front or rear speakers. The middle position balances the sound between the front and rear speakers.

Categories

Touch **Categories** under the **Audio** menu to access the categories list for AM-FM. The list contains names associated with the AM-FM channels. Touch on a category name to display a list of channels for that category. Selecting a station from the list tunes the radio to that channel and returns the display to **Now Playing**.

EQ

If equipped with a Bose sound system, the Equalizer settings are selected through the tone settings menu. Touch the left or right arrows to cycle through the EQ options. The available choices are **Custom** or **Talk**.

Auto Volume (If Equipped)

This feature adjusts the volume based on vehicle speed. The options are **Off**, **Low**, **Medium - Low**, **Medium**, **Medium - High**, or **High**. Touch **Back** on the infotainment display to go to the previous menu.

For more information on Bose AudioPilot Noise Compensation Technology, see www.boseautomotive.com.

HD Radio (If Equipped)

For AM and FM only, touch to turn HD Radio reception on or off. Touch **Back** on the infotainment display to go to the previous

menu. **Update Station List:** For AM and FM only, touch to update the station list. Touch **Back** on the infotainment display to go to the previous menu.

Finding a Station

Seeking a Station

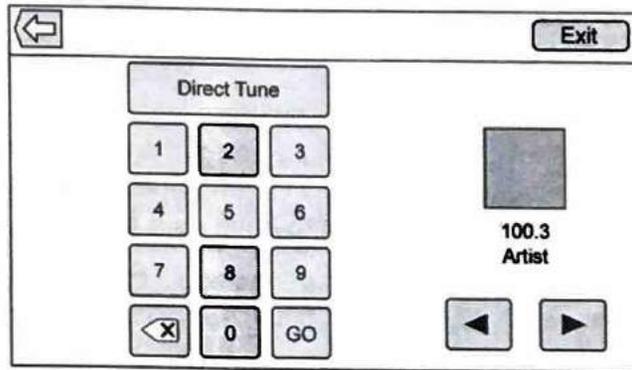


0000430025

Touch \ll or \gg to search for the previous or next strongest station.

Direct Tune

Touch the Tune icon on the infotainment display to Direct Tune.



0000430022

Navigate up and down through all frequencies or directly enter a station using the keypad. When a new station is entered, the information about that station displays on the right side. This information will update with each new valid frequency tuned to.

The keypad will gray out entries that do not contribute to a valid frequency and will automatically place a decimal point within the frequency number, as needed.

A valid station will automatically tune to the new frequency but not close the Direct Tune window. Touch the Back icon or Exit on the infotainment display.

The tune arrows on the right side of the Direct Tune display tunes through the complete station list one station step at a time per touch. A touch and hold advances 10 frequency steps per second.

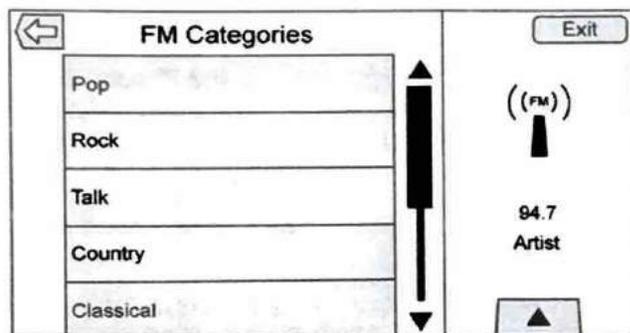
Touch (X) to delete one character at a time. Touch and hold (X) to delete all characters.

In AM-FM modes, touch << or >> for the radio to go to the next or previous strong station. Touch Direct Tune to advance to the next or previous frequency step in AM or FM mode or directly enter or tune to the frequency on the keypad.

HD Radio multicast stations cannot be tuned directly through the direct tune feature. Only the analog or HD1 station can use that feature. Use the Tune icon on the infotainment display to adjust to the multicast stations.

Uplevel Radio (0008RNP, 0008RNR, 000RNX, or 000RNX)

AM-FM Categories



0000430023

AM-FM Categories are available under the AM-FM audio menu. Touch AM-FM Categories to access the AM-FM Categories list.

The categories list contains category names associated with AM-FM Channels. Selecting a given category name displays a list of channels for that category.

Storing Presets

Favorites are stored in the area at the bottom of the infotainment display.

Up to 60 preset favorites can be stored under the following:
AM, FM, SXM (If Equipped), HD Radio Stations:

- Touch and hold a favorite preset to save the current station as a favorite.
- Touch a favorite preset in the favorites location to recall a favorite station.

Mixed-Audio Favorites

While in the respective menu, drag up on the top border of the favorites bar to view favorites. Touch and hold a favorite preset and then select the desired item to save as a favorite.

Favorites that can be stored include media, contacts, destinations, navigation, or applications.

72°					12:48				
< >									
100.3	104.3	105.1	106.7	95.5					
99.5	96.3	97.1	92.3	88.7					
92.3	101.1	93.1	93.9	108.1					
< >									
●○○○○									

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To scroll through the favorites:

- Drag up on the top border of the favorites bar to view the favorites. To close the favorites, drag them down.
- Slide a finger to the right or left to scroll through each page of favorites.

Tone Settings: Touch and hold a preset to save the current tone settings as a favorite in the tone settings menu. Drag up on the display arrow at the bottom to bring up favorites. Touch a saved favorite to recall a favorite tone setting.

The number of favorites displayed is automatically adjusted by default, but can be manually adjusted in the Settings menu under Radio and then Number of Favorites Shown.

HD Radio Technology (Uplevel Radio)

If equipped, HD Radio Technology is a free service with features such as digital quality sound, more stations available on a single frequency such as HD2 and HD3, and display information such as artist and song title.

From the AM or FM display, touch Menu then HD Switching OFF to turn HD Radio reception off. To turn it on, touch Menu then HD Switching ON.

Station Access

To access HD Radio stations:

1. Tune the radio to the station. If the HD Radio reception is turned on and the station is broadcasting with HD Radio

technology, the radio will display the HD2 / HD3 channels available and will automatically switch to digital audio indicated with the HD logo.

2. Touch ⏮ or ⏭ on the infotainment display to tune to the previous or next HD Radio station.

There may be a delay before the station starts playing.

The HD Radio station number is indicated next to the HD logo.

HD Radio stations can be saved as favorites.

For a list of all stations, see www.hdradio.com.

HD Radio Troubleshooting

Digital Audio Delay: Wait for the signal to process. This can take several seconds.

Volume Change, Audio Skip, Echo, Digital Audio Lost: Station signal strength may be weak, the station is out of range, or the station may be out of alignment. Verify proper reception on another station.

If the HD Radio signal loses reception while listening to HD1, the radio will go back to the analog version of the radio station.

If the HD Radio signal loses reception while listening to stations HD2 to HD8, the radio mutes until the signal can be recovered or until the station is changed.

HD Radio reception can be disabled if driving in a weak signal area. Touch HD Radio ON / OFF to toggle HD Radio reception on and off.

Satellite Radio (0000RNR or 00008RNP)

If equipped, vehicles with a valid SiriusXM satellite radio subscription can receive SiriusXM programming.

SiriusXM satellite radio has a wide variety of programming and commercial-free music, coast to coast, and in digital-quality sound. In the U.S., see www.siriusxm.com or call 1-888-601-6296. In Canada, see www.siriusxm.ca or call 1-877-438-9677.

When SiriusXM is active, the station name, number, category name, song title, and artist display.



0000430006

SiriusXM Menu

SiriusXM has a menu to adjust different features.

Touching the Menu icon on the infotainment display may show the following:

- **Tone Settings:** Touch + or - to adjust the tone settings. See *AM-FM Radio* (page 37) (Uplevel Radio).
- **TuneSelect:** For SiriusXM only, this feature allows for an alert to be set for artists or songs that are played on any channel. Touch Manage TuneSelect to turn the alerts On and Off or manage the saved selection of Artists or Songs. To turn off an alert, touch the Song or Artist and uncheck the box. To delete an alert, touch -. Touch the Back icon on the infotainment display to go back to the previous menu.
- **Auto Volume (If Equipped):** This feature adjusts the volume based on the vehicle speed. See *AM-FM Radio* (page 37).
- **Bose AudioPilot Noise Compensation Technology (If Equipped):** This feature adjusts the volume based on the noise in the vehicle and speed. See *AM-FM Radio* (page 37).

CD Player

If equipped, use the CD player to play CDs and MP3 audio.

The system can play:

- Most audio CDs
- CD-R
- CD-RW
- MP3 or unprotected WMA formats

When playing any compatible recordable disc, the sound quality can be reduced due to disc quality, the method of recording, the quality of the music that has been recorded, or the way the disc has been handled.

There can be increased skipping, difficulty in recording tracks, difficulty in finding tracks, and / or difficulty in loading and ejecting. If these problems occur, check the disc for damage or try a known good disc.

To avoid damage to the CD player:

- Do not use scratched or damaged discs.
- Do not apply labels to discs. The labels could get caught in the player.
- Insert only one disc at a time.
- Keep the loading slot free of foreign materials, liquids, and debris.
- Use a marking pen to label the top of the disc.

Loading and Ejecting Discs

To load a disc:

1. Turn the vehicle ON.
2. Insert a disc into the slot, label side up. The player pulls it in the rest of the way. If the disc is damaged or improperly loaded, there is an error and the disc ejects.

Press  to eject a disc from the CD player. If the disc is not removed within a short period of time, it is automatically pulled back into the player.

Playing an Audio CD

Press MEDIA on the center stack or touch the Audio icon on the Home Page until CD Audio Now Playing view is selected.

On the CD main page, a track number displays at the beginning of each track or Song, Artist, and Album information displays when available.

Use the following controls to play the disc:

, , :

- Press to seek to the beginning of the current or previous track. If the track has been playing for less than five seconds, it seeks to the previous track. If longer than five seconds, the current track starts from the beginning.
- Press and hold to fast reverse through a track. Release to return to playing speed. Elapsed time displays.

Uplevel Radio (0008RNP, 0008RNR, 000RNX, or 000RNX)



- Press to seek to the next track.
- Press and hold to fast forward through a track. Release to return to playing speed. Elapsed time displays.

Storing Media Favorites

To store media favorites, touch and hold a favorite preset to display a list of media types for the currently playing item. Select from this list.

The lists that may display are:

- Genres: Touch and hold a preset to store the current genre as a favorite. Touch a saved favorite to recall a favorite genre. The first song of the genre begins to play.
- Artists: Touch and hold a preset to store the current artist as a favorite. Touch a saved favorite to recall a favorite artist. The first song in the artist list begins to play.
- Albums: Touch and hold a preset to store the current album as a favorite. Touch a saved favorite to recall a favorite album. The first song in the album list begins to play.
- Playlists: Touch and hold a preset to store the current playlist. Touch a saved favorite to recall a favorite playlist. The first song in the playlist begins to play.
- Songs: Touch and hold a preset to store the current song as a favorite. Touch a saved favorite to recall a favorite song.

- Podcasts or Podcast Episode: Touch and hold a preset to store the current podcast as a favorite. Touch a saved favorite to recall a favorite podcast or podcast episode. The podcast or podcast episode begins to play.
- Audiobooks: Touch and hold a preset to store the current audiobook as a favorite. Touch a saved favorite to recall a favorite audiobook. The first chapter begins to play.
- Videos: Touch and hold a preset to store the current video as a favorite. Touch a saved favorite to recall a favorite video. Not all formats are supported.

Error Messages

If Disc Error displays and/or the disc comes out, it could be for one of the following reasons:

- The disc has an invalid or unknown format.
- The road is very rough. Try the disc again when the road is smoother.
- The disc is dirty, scratched, wet, or upside down.
- The air is very humid. Try the disc again later.
- There was a problem while burning the disc.
- The label is caught in the CD player.

If Disc Player Error displays, it could be for one of the following reasons:

- The player temperature is too high.
- There are load or eject errors.

If the CD is not playing correctly, for any other reason, try a known good CD.

If any error continues, contact your dealer.

Playing an MP3 CD

To play an MP3 CD, follow the same instructions as "Playing an Audio CD."

The following guidelines must be met when creating an MP3 disc, otherwise the CD might not play:

- Sampling rate: 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, and 48 kHz.
- Bit rates supported: 8, 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160, 192, 224, 256, and 320 kbps.
- Recorded on a CD-R or CD-RW.

MP3 CD playback is unavailable when both screens in the rear seat area are in use. Turn off one of the rear screens to allow MP3 playback.

MP3 Music Menu

Touch the Menu icon on the infotainment display while that source is active to access the menu.

Touch any of the following options on the MP3 Menu:

- Shuffle: Touch to play the tracks randomly. Touch again to stop shuffle.

- Tone Settings: Touch + or - to adjust Bass, Midrange, Treble, or Surround. See *AM-FM Radio* (page 37).
- Auto Volume (If Equipped): This feature adjusts the volume based on vehicle speed. See *AM-FM Radio* (page 37).
- Bose AudioPilot Noise Compensation Technology (If Equipped): This feature adjusts the volume based on the noise in the vehicle and speed. See *AM-FM Radio* (page 37).

MP3 Folder Information

Touch anywhere between the top applications tray and the bottom menu to show the Browse display.

- Root Directory: To access, touch the display anywhere between the top and bottom menu or touch the Browse icon. The root directory is treated as a folder. All files contained directly under the root directory are accessed prior to any root directory folders.
- No Folder: When the CD only contains compressed audio files without any folders or playlists, all files are under the root folder.
- File System and Naming: The song titles, artists, albums, and genres are taken from the file's ID3 tag and are only displayed if present in the tag. If a song title is not present in the ID3 tag, the radio displays the file name as the track name.

Playing Media From a USB Device

This vehicle is equipped with two USB ports in the center console. These ports are for data and charging.

The vehicle may have USB ports in the armrest, in the upper glove box, in the storage bin behind the radio (if equipped) and if equipped with Rear Seat Infotainment (RSI), there may be one USB port for charging in the rear media console storage area.

A USB mass storage device can be connected to the USB port. While indexing, infotainment features are available.

Gracenote

When plugging in a USB device, Gracenote service builds voice tags for music. Voice tags allow artists, albums with hard to pronounce names, and nicknames to be used to play music through voice recognition.

My Media Library

Allows access to content from all indexed media sources. Touch the Media icon on the infotainment display to scroll through the options until MyMedia is selected. Use gestures or touch the display to scroll through the content.

USB MP3 Player and USB Drives

- The USB MP3 players and USB drives connected must comply with the USB Mass Storage Class specification (USB MSC).

- Hard disk drives are not supported.
- The following restrictions apply for the data stored on a USB MP3 player or USB device:

The following types of audio files are supported: mp3, wma, aac, m4a, and aif.

WMA and Apple lossless files are not supported.

Supported file systems are FAT32 and NTFS.

To play a USB device, do one of the following:

- Connect the USB.
- Press MEDIA on the center stack until the connected device is shown.

Use the following when playing an active USB source:

- ►: Touch to play the current media source.
- ||: Press to pause play of the current media source.
- ⏮, ⏪, ⏩, ⏭: Press to seek to the beginning of the current or previous track. If the track has been playing for less than two seconds, the previous track plays. If playing longer than 2–5 seconds, depending on the device, the current track restarts. Press and hold to reverse quickly through playback. Release to return to playing speed. Elapsed time displays.
- ⏮, ⏭, ⏩: Press to seek to the next track. Press and hold to advance quickly through playback. Release to return to playing speed. Elapsed time displays.

USB Menu

Touch the **Menu** icon to display the USB menu. The following may be available:

- **Shuffle:** Touch to play the tracks randomly. Touch again to stop shuffle.
- **Tone:** Touch + or - to adjust the tone settings. See *AM-FM Radio* (page 37).
- **Auto Volume (If Equipped) :** This feature adjusts the volume based on the vehicle speed. See *AM-FM Radio* (page 37).
- **Bose AudioPilot Noise Compensation Technology (If Equipped):** This feature adjusts the volume based on the noise in the vehicle and speed. See *AM-FM Radio* (page 37).

USB Browse Menu

Touch anywhere between the top and bottom menus or touch **Browse** on the infotainment display to view the Browse menu. Playlists, Artists, Albums, Songs, and Genres are displayed along the bottom of the display. Touch **More** to see the remaining options.

Playlists

1. Touch to view the playlists stored on the USB.
2. Select a playlist to view the list of all songs in that playlist.
3. Select a song from the list to begin playback.

Artists

1. Touch to view the list of artists stored on the US
2. Select an artist name to view a list of all albums by the artist.
3. To select a song, touch **All Songs** or touch an album and then select a song from the list.

Albums

1. Touch to view the albums on the USB
2. Touch the album to view a list of all songs on the album.
3. Select a song from the list to begin playback.

Songs

1. Touch to display a list of all songs on the USB.
2. To begin playback, select a song from the list.

Genres

1. Touch to view the genres on the USB.
2. Touch a genre to view a list of artists.
3. Touch an artist to view albums by that artist.
4. Touch an album to view songs on the album.
5. Touch a song to start playback.

Uplevel Radio (0008RNP, 0008RNR, 000RNX, or 000RNX)

Podcasts

1. Touch to view the podcasts on the USB.
2. Select a podcast.
3. Select an episode to start playback.

Composers

1. Touch to view the composers on the USB.
2. Touch Composers to view a list of albums by that composer.
3. Touch an album to view a list of songs.
4. Touch a song from the list to begin playback.

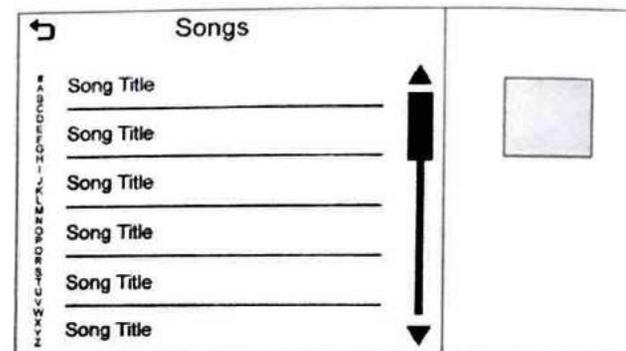
Audiobooks

1. Touch to view the audiobooks stored on the device.
2. Touch the audiobook from the list. Touch a chapter to begin playback.

Folder View (If Equipped)

1. Touch to view the directories on the USB.
2. Touch a folder to view a list of all files.

3. Touch a file from the list to begin playback.



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When a list of songs, albums, artists, or other type of media is displayed, a vertical keyboard appears on one side of the list and a scroll bar on the other side. When using the vertical keyboard, touch the beginning character of the desired name to display the zoom bubble of that character. Release the finger from the infotainment display and the zoom bubble disappears.

Touch the scroll bar to move the list up and down.

File System and Naming

The songs, artists, albums, and genres are taken from the file's song information and are only displayed if present. The radio displays the file name as the track name if the song information is not available.

Loss of Audio

If a phone currently paired over Bluetooth is plugged in with a USB cable, the system will automatically mute the phone audio. Playback can be resumed by changing the audio source from Bluetooth to USB cable.

Source USB from the Media icon on the infotainment display to resume playback.

Bluetooth Streaming Audio and Voice Recognition

See *Bluetooth Audio* (page 18) for information using voice recognition with Bluetooth streaming audio. Make sure all devices have the latest software downloaded.

Auxiliary Jack

This vehicle has an auxiliary input jack. This may be located in the center stack or center console under the armrest. Possible auxiliary audio sources include:

- Laptop computer
- Audio music player

This jack is not an audio output. Do not plug headphones into the auxiliary input jack. Set up an auxiliary device while the vehicle is in Park (P).

Connect a 1/8 in (3.5 mm) cable from the auxiliary device to the auxiliary input jack. When a device is connected, the system can play audio from the device over the vehicle speakers.

If an auxiliary device has already been connected, but a different source is currently active, press MEDIA on the center stack or touch the Media icon on the infotainment display to scroll through audio source menus, until the AUX Input source appears.

Playing from the AUX Port

An auxiliary device is played through the audio system and controlled through the device itself.

Aux Menu

Press MENU on the center stack to display the AUX Input menu and the following may display:

- Tone Settings: Touch to adjust Bass, Midrange, Treble, Balance, Fade, and EQ (Equalizer). See *AM-FM Radio* (page 37).

Uplevel Radio (0008RNP, 0008RNR, 000RNW, or 000RNX)

- **Auto Volume (If Equipped):** This feature adjusts the volume based on the vehicle speed. See *AM-FM Radio* (page 37).
- **Bose AudioPilot Noise Compensation Technology (If Equipped):** This feature adjusts the volume based on the noise in the vehicle and speed. See *Bose AudioPilot* in *AM-FM Radio*.

Bluetooth Audio

If equipped, music may be played from a paired Bluetooth device. See *Bluetooth (Overview)* (page 67), *Bluetooth (Infotainment Controls)* (page 60), *Bluetooth (Voice Recognition)* (page 72) for help pairing a device.

The music can be controlled by either the infotainment controls or the controls on the device.

Music can be launched by pressing **MEDIA** on the center stack or touching the **Media** icon on the infotainment display.

Playing Music via Bluetooth

1. Power on the device, and pair to connect the device.
2. Once paired, go into the audio application from the Home Page or through the applications tray. Touch the **Media** icon until **Bluetooth** displays.

Bluetooth Audio Menu

Touch the **Menu** icon on the infotainment display or **MENU** on the center stack to display the **Bluetooth Audio** menu. The following may be available:

- **Tone Settings:** Touch **+** or **-** to adjust the tone settings. See *AM-FM Radio* (page 37).
- **Auto Volume (If Equipped):** This feature adjusts the volume based on the vehicle speed. See *AM-FM Radio* (page 37).
- **Bose AudioPilot Noise Compensation Technology (If Equipped):** This feature adjusts the volume based on the noise in the vehicle and speed. See *AM-FM Radio* (page 37).

Touch the **Back** icon on the infotainment display to go back to the previous menu.

Manage Bluetooth Devices: Touch to go to the **Bluetooth** page to add or delete devices.

When using the **Bluetooth** audio source, the radio may not be able to launch specific applications on your device. Use the device to start audio playback when it is safe to do so.

All devices launch audio differently. When selecting **Bluetooth** audio as a source, the radio may show as **paused** on the display. Touch **play** on the device or touch **▶** to begin playback.

Some phones support sending **Bluetooth** music information to display on the radio. When the radio receives this information, it will check to see if any is available and display it.

SECTION 5 — VOICE RECOGNITION

Overview

If equipped, voice recognition allows for hands-free operation within the audio and phone applications. This feature can be started by pressing  on the steering wheel or by touching  on the infotainment display.

However, not all features within these areas are supported by voice commands. Generally, only complex tasks that require multiple manual interactions to complete are supported by voice commands.

For example, tasks that take more than one or two button presses such as selecting a song or artist to play from a media device would be supported by voice commands. Other tasks, like adjusting the volume or seeking up or down are audio features that are easily performed by pressing one or two buttons, and are not supported by voice commands.

In general there are flexible ways to speak commands for completing the tasks. Most of them, except destination entry and voice keypad, can be completed in a single command. If the task takes more than one command to complete, the first command would be to indicate the kind of task that is to be performed. The system replies with prompts that lead through a dialog to enter the necessary information.

Voice recognition can be used when the ignition is on or when Retained Accessory Power (RAP) is active. See *Retained Accessory Power (RAP)* in the Vehicle Operation and Maintenance Manual.

Using Voice Recognition

Voice recognition becomes available once the system has been initialized. This begins when the ignition is turned on. Initialization may take a few moments.

Procedure

1. Press  on the steering wheel control to activate voice recognition, or touch  on the infotainment display.
 - If voice recognition is started from the steering wheel control, the instrument cluster displays the selections and visual dialog content.
 - If voice recognition is started from the infotainment display, the selections and visual dialog content are displayed on both the infotainment display and the instrument cluster display.
2. The audio system mutes and the system plays a prompt followed by a beep.
3. Wait until after the beep completes, then clearly speak one of the commands described in this section. Press  to interrupt any voice recognition system prompt. For example, if the prompt seems to be taking too long to finish, press  again and the beep should happen right away.

Voice Recognition

There are two voice prompt modes supported:

- Long verbal prompts: The longer prompts provide more information regarding the supported actions.
- Short prompts: The short prompts provide simple instructions about what can be stated.

If a command is not spoken, the voice recognition system says a help prompt.

Prompts and Screen Displays

While a voice recognition session is active, there will be corresponding buttons on screens displayed. Manual interaction in the voice recognition session is permitted. Interaction during a voice session may be completed entirely using voice commands, or some selections may expedite a session. If a selection is made using a manual control, the dialog will progress in the same way as if the selection were made through a voice command. Once the system is able to complete the task, or the session is terminated, the voice recognition dialog stops.

An example of this type of manual intervention is touching an entry of a displayed number list instead of speaking the number associated with the entry desired.

Canceling Voice Recognition

- Say "Cancel" or "Exit" to terminate the voice recognition session and return to the screen from which voice recognition was initiated.
- Press  on the steering wheel controls to terminate the voice session and return to the screen from which voice recognition was initiated.
- Base Radio with Touchscreen: Touch  to terminate a voice recognition session that was initiated by touching  on the infotainment display.
- Uplevel Radio: Touch the voice icon. Touching this icon will terminate a voice recognition session which was initiated by touching  on the infotainment display.

Helpful Hints for Speaking Commands

Voice recognition can understand commands that are either naturally stated in sentence form (English only), or direct commands that state the application and the task.

For languages that do not support natural language commands in sentence form, use the direct commands shown as examples on the display screen.

For best results:

- Listen for the prompt and wait for the beep before saying a command or reply.
- Say "Help" or look at the commands displayed on screen.
- Voice recognition system prompts can be interrupted by pressing **⌘** again. For example, if the prompt seems to be taking too long to finish, or if what is being prompted causes a need for an immediate reply, press **⌘** again and wait for the beep.
- Speak the command naturally, not too fast, not too slow. Use direct commands without a lot of extra words.
- Usually Phone and Audio commands can be spoken in a single command; for example, "Call Dave Smith at work," "Play" followed by the artist or song name, or "Tune" followed by the radio station number.
- Uplevel Infotainment System Only: Navigation destinations are too complex for a single command. First, say a command that explains the type of destination needed, such as "I want directions to an "Address," "Navigate to an Intersection," "I need to find a Place of Interest or POI," or "Directions to a Contact." The system responds by requesting more details. After saying "Place of Interest," only major chains are available by name. Chains are businesses with at least 20 locations. For other POIs, say the name of a category like "Restaurants," "Shopping Malls," or "Hospitals."

There is no need to memorize specific command words. Direct commands might be more clearly understood by the system.

An example of a direct command would be "Call 555 1212." Examples of these direct commands are displayed on most of the screens while a voice session is active. If "Phone" or "Phone Commands," is stated, the system understands that a phone call is requested and will respond with questions until enough details are gathered.

If the phone number has been saved with a name and a place, the direct command should include both, for example "Call Dave Smith at work."

Using Voice Recognition For List Options

When a list is displayed, a voice prompt will ask to confirm or select an option from that list. A selection can be made by manually selecting the item, or by speaking the line number for the item to select.

When a screen contains a list, options may be available but not displayed. The list on a voice recognition screen functions the same as a list on other screens. Scrolling can be used to help display other entries from the list. Manually scrolling or paging the list on a screen during a voice recognition session suspends the current voice recognition event and plays the prompt "Make your selection from the list using the manual controls or press **<** BACK to try again."

If manual selection takes more than 15 seconds, the session terminates and prompts that it has timed out. The screen returns to the screen where voice recognition was initiated.

Voice Recognition

The Back Command

Say "Back" or press ◀ BACK to go to the previous screen.

If using voice recognition and you arrive at the initial screen, saying "Back" once more will end the voice recognition session.

Help

Say "Help" on any voice recognition screen and the help prompt for the screen is played. Additionally, a pop-up displays a text version of the help prompt. Depending on how voice recognition was initiated, the Help pop-up will either display on the instrument cluster or the infotainment display. Touch Dismiss to make the pop-up go away.

Pressing Ⓜ while the help prompt is playing will terminate the prompt and a beep will be heard. Doing this will stop the help prompt so that a voice command can be used.

Voice Recognition for the Radio

Touch Ⓜ on the infotainment display to launch audio voice recognition. If Ⓜ is touched in a radio screen, the voice commands for radio and media features are available.

"Switch to AM" : Switch bands to AM and tune to the last AM radio station.

"Switch to FM" : Switch bands to FM and tune to the last FM radio station.

"Switch to SXM" : Switch bands to SiriusXM (if equipped) and tune to the last SiriusXM channel.

"Tune to <AM frequency> AM" : Tune to the radio station whose frequency is identified in the command (like "nine fifty").

"Tune to <FM frequency> FM" : Tune to the radio station whose frequency is identified in the command (like "one o one point one").

"Tune to SXM <SXM channel number>" : Tune to the SiriusXM (if equipped) radio station whose channel number is identified in the command.

"Tune to SXM <SXM channel name>" : Tune to the SiriusXM (if equipped) radio station whose channel name is identified in the command.

Voice Recognition for Audio My Media

If browsing My Media when the voice button is selected, the voice recognition commands for My Media features are available.

“Play Artist” : Begin a dialog to enter a specific Artist name.

“Play Artist <artist name>” : Begin playback of the media selection identified in the command.

“Play Album” : Begin a dialog to enter a specific album name.

“Play Album <album name>” : Begin playback of the identified album name in the command.

“Play Song” : Begin a dialog to enter a specific song name.

“Play Song <song name>” : Begin playback of the identified song name in the command.

“Play Genre” : Begin a dialog to enter a specific genre.

“Play Genre <genre name>” : Begin playback of the media selection identified in the command.

“Play Playlist” : Begin a dialog to enter a specific playlist name.

“Play Playlist <playlist name>” : Begin playback of the identified playlist in the command.

“Play <device name>” : Play music from a specific device identified by name. The device name is the name displayed on the screen when the device is first selected as an audio source.

“Play Chapter” : Begin a dialog to enter a specific name.

“Play Chapter <chapter name>” : Begin playback of the media selection identified in the command.

“Play Audiobook” : Begin a dialog to enter a specific name.

“Play Audiobook <audiobook name>” : Begin playback of the media selection identified in the command.

“Play CD Track <track number>” : Begin playback of the CD at the track identified in the command.

“Play Episode” : Begin a dialog to enter a specific name.

“Play Episode <episode name>” : Begin playback of the media selection identified in the command.

“Play Podcast” : Begin a dialog to enter a specific name.

“Play Podcast <podcast name>” : Begin playback of the media selection identified in the command.

“Play Video” : Begin a dialog to enter a specific name.

“Play Video <video name>” : Begin playback of the media selection identified in the command.

“My Media” : Begin a dialog to enter the desired media content.

Handling Large Amounts of Media Content

It is expected that large amounts of media content will be brought into the vehicle. It may be necessary to handle large amounts of media content in a different way than smaller amounts of media. The system may limit the options of voice recognition by not allowing selection of song titles by voice at the highest level if the number of songs exceeds the maximum limit.

Voice Recognition

Voice command option changes through media content limits are:

- Song files including other individual files of all media types such as audiobook chapters, podcast episodes, and videos.
- Album type folders including types such as albums and audiobooks.

There are no restrictions if the number of song files and albums is less than 4,000. When the number of song files connected to the system is between 4,000 and 8,000, the content cannot be accessed directly with one command like "Play <song name>."

The restriction is that the command "Play Song" must be spoken first; the system will then ask for the song name. The reply command would be to say the name of the song to play.

Similar limits exist for album content. If there are more than 4,000 albums, but less than 8,000, the content cannot be accessed directly with one command like, "Play <album name>." The command "Play Album" must first be spoken; the system will then ask for the album name. Say the name of the album you want to play.

Once the number of songs has exceeded approximately 8,000, there is no support for accessing the songs directly through voice commands. There will still be access to the media content by using commands for playlists, artists, and genres.

The access commands for playlists, artists, and genres are prohibited after the number of this type of media exceeds 4,000.

The system will provide feedback the first time voice recognition is initiated if it has become apparent that any of these limits are reached during a device initializing process.

Voice Recognition for Navigation (If Installed)

"Navigation" : Begin a dialog to enter specific destination information.

"Navigation Commands" : Begin a dialog to enter specific destination information.

"Destination Address" : Begin a dialog to enter a specific destination address, which includes the entire address consisting of the house number, street name, and city and state/province.

"Destination Intersection" : Begin a dialog to enter a specific destination intersection.

"Destination Place of Interest" : Begin a dialog to enter a destination Place of Interest category or major brand name (if equipped). Not all brand names of businesses are available for voice entry. Most major chains, such as chains with more than 20 locations, should be available to search for by name, but the name must be precisely spoken. Nicknames or short names for the businesses will not likely be found. Lesser known businesses might have to be located by category, such as fast food, hotels, or banks.

"Destination Contact" : Begin a dialog to enter a specific destination contact name.

"Cancel Route" : End route guidance.

Voice Recognition for the Phone

“Call <contact name>” : Initiate a call to an entered contact. The command may include location if the contact has location numbers stored.

“Call <contact name> At Home,” “At Work,” “On Mobile,” or “On Other” : Initiate a call to an entered contact and location at home, at work, on mobile device, or on another phone.

“Call <phone number>” : Initiate a call to a standard phone number seven or 10 digits in length, and also 911, 411, or 611.

“Pair Phone” : Begin the Bluetooth pairing process. Follow instructions on the radio display.

“Switch Phone” : Select a different phone for outgoing calls.

“Voice Keypad” : Begins a dialog to enter special numbers like international numbers. The numbers can be entered in groups of digits with each group of digits being repeated back by the system. If the group of digits is not correct, the command “Delete” will remove the last group of digits and allow them to be re-entered. Once the entire number has been entered, the command “Call” will start dialing the number.

“Voice Mail” : Initiate a call to voice mail numbers.

Voice Pass-Thru (If Equipped)

Voice Pass-Thru allows access to the speech recognition commands on the cell phone (for example: Siri). See your cell phone manufacturer's user guide to see if the cell phone supports this feature.

Activating this function will start the Bluetooth Speech Recognition on a connected phone.

The steering wheel controls are used to operate this function.

Press and hold  on the steering wheel to activate. A voice session begins so that voice commands can be passed to the cell phone.

Press  to exit or press  to close and return to the previous application prior to the start of Voice Pass-Thru.

Voice Recognition for Weather (If Equipped)

“Weather ” : Begin a dialog to enter a weather location.

SECTION 6 — PHONE (BASE RADIO)

Bluetooth (Overview)

Bluetooth-capable systems can interact with many cell phones, allowing:

- Placement and receipt of calls in a hands-free mode.
- Sharing of the cell phone's address book or contact list with the vehicle.

To minimize driver distraction, before driving, and with the vehicle parked:

- Become familiar with the features of the cell phone. Organize the phone book and contact lists clearly and delete duplicate or rarely used entries. If possible, program speed dial or other shortcuts.
- Review the controls and operation of the infotainment system.
- Pair cell phone(s) to the vehicle. The system may not work with all cell phones. See *Pairing* (page 60) in this section.

Vehicles with a Bluetooth system can use a Bluetooth-capable cell phone with a Hands-Free Profile to make and receive phone calls. The infotainment system and voice recognition are used to control the system. The system can be used while the ignition is ON or in ACC (Accessory) mode. The range of the Bluetooth system can be up to 30 ft (9.1 m). Not all phones support all functions and not all phones work with the Bluetooth system.



WARNING

To prevent property damage, personal injury and / or death, avoid distractions such as looking too long or too often at screen of the phone or the infotainment system. Taking your eyes off the road too long or too often could be dangerous. Focus your attention on driving.

Steering Wheel Controls

 : Press to answer incoming calls, confirm system information, and start voice recognition.

 : Press to end a call, reject a call, or cancel an operation. Press to mute or unmute the infotainment system.

Infotainment System Controls

For information about how to navigate the menu system using the infotainment controls, see *Overview (Base Radio with Touchscreen)* (page 19) or *Overview (Base Radio)* (Figure 3).

MENU : Turn to scroll through a list. Press to select the highlighted list option.

 : Press to go to the Home Page. See *Home Page (Base Radio with Touchscreen)* (page 20) or *Home Page (Base Radio)* (page 9).

PHONE or  : Select to enter the phone main menu. See *Bluetooth (Overview)* or *Bluetooth (Infotainment Controls)*.

Phone (Base Radio)

Voice Recognition

If equipped, the voice recognition system uses commands to control the system and dial phone numbers.

Noise : The system may not recognize voice commands if there is too much background noise, such as noise from open windows or loud talking inside the vehicle.

When to Speak : A tone sounds to indicate that the system is ready for a voice command. Wait for the tone and then speak.

How to Speak : Speak clearly in a calm and natural voice.

Audio System

When using the Bluetooth system, sound comes through the vehicle's front audio system speakers and overrides the audio system. Use the  knob during a call to change the volume level. The system maintains a minimum volume level.

Bluetooth Audio Quality

Turn off the Echo and Noise cancellation feature on your phone, if supported, for the best hands-free performance.

Bluetooth (Infotainment Controls)

To use infotainment controls to access the menu system, see *Overview (Base Radio with Touchscreen)* (page 19) or *Overview (Base Radio)* (Figure 3).

Pairing

A Bluetooth-enabled cell phone must be paired to the Bluetooth system and then connected to the vehicle before it can be used. See your cell phone manufacturer's user guide for Bluetooth functions before pairing the cell phone.

Pairing Information

- A Bluetooth phone with MP3 capability cannot be paired to the vehicle as a phone and an MP3 player at the same time.
- Up to 10 cell phones can be paired to the Bluetooth system.
- The pairing process is disabled when the vehicle is moving.
- Pairing only needs to be completed once, unless the pairing information on the cell phone changes or the cell phone is deleted from the system.
- Only one paired cell phone can be connected to the Bluetooth system at a time.

- If multiple paired cell phones are within range of the system, the system connects to the first available paired cell phone in the order that they were first paired to the system. When the Bluetooth device and infotainment system are successfully paired, the phone book is downloaded automatically. This is dependent on the type of the phone paired. If the automatic download does not occur, proceed with the phone book download on the phone.

Pairing a Phone - SSP and No Paired Device

When there is no paired device on the infotainment system and Simple Secure Pairing (SSP) is supported:

1. Press .
2. Touch PHONE, press  on the center stack, or press  on the steering wheel.
3. Touch Search Device.
4. Touch the desired device to pair on the searched list screen.
5. Touch Yes on the pop-up screen of the Bluetooth device and infotainment system.
6. When the Bluetooth device and infotainment system are successfully paired, the phone screen is displayed on the infotainment system.

Pairing a Phone - SSP and Paired Device

When a paired device is on the infotainment system and SSP is supported:

1. Press .
2. Touch Settings.
3. Touch Bluetooth, then Device Management.
4. Touch the desired device to pair. When the Bluetooth device and infotainment system are successfully paired,  /  is displayed on the pair device screen. If no desired device is available go to Step 5.
5. Touch Search Device to search for the desired device.
6. Touch the desired device to pair on the searched list screen.
7. Touch Yes on the pop-up screen of the Bluetooth device and infotainment system.

The connected phone is indicated by  and / or :

-  /  indicates the hands-free and phone music functions are enabled.
-  indicates only the hands-free function is enabled.
-  indicates only Bluetooth music is enabled.

Phone (Base Radio)

Pairing a Phone - No SSP and No Paired Device

When there is no paired device on the infotainment system and SSP is not supported:

1. Press .
2. Touch PHONE, press  on the center stack, or press  on the steering wheel.
3. Touch Search Device.
4. Touch the desired device to pair on the searched list screen.
5. Input the Personal Identification Number (PIN) code (default: 1234) to the Bluetooth device. When the Bluetooth device and infotainment system are successfully paired, the PHONE screen is displayed on the infotainment system.

When the connection fails, a failure message is displayed on the infotainment system.

If a Bluetooth device was previously connected, the infotainment system executes the auto connection. However, if the Bluetooth setting on the Bluetooth device is turned off, a failure message is displayed on the infotainment system.

Pairing a Phone - No SSP and Paired Device

When a paired device is on the infotainment system and SSP is not supported:

1. Press .
2. Touch Settings.
3. Touch Bluetooth, then Device Management.
4. Touch the desired device to pair. When the Bluetooth device and infotainment system are successfully paired,  /  is displayed on the pair device screen. If no desired device is available go to Step 5.
5. Touch Search Device to search for the desired device.
6. Touch the desired device to pair on the searched list screen.
7. Input the Personal Identification Number (PIN) code (default: 1234) to the Bluetooth device. When the Bluetooth device and infotainment system are successfully paired,  /  is displayed on the pair device screen.

The connected phone is indicated by  and / or .

-  /  indicates the hands-free and phone music functions are enabled.
-  indicates only the hands-free function is enabled.
-  indicates only Bluetooth music is enabled.

Connecting a Paired Bluetooth Device

1. Press .
2. Touch Settings.
3. Touch Bluetooth, then Device Management.
4. Touch the device to be connected.

Checking the Bluetooth Connection

1. Press .
2. Touch Settings.
3. Touch Bluetooth, then Device Management.
4. The paired device will show.

Disconnecting a Bluetooth Device

1. Press .
2. Touch Settings.
3. Touch Bluetooth, then Device Management.
4. Touch the name of the device to be disconnected.
5. Touch Disconnect.

Deleting a Bluetooth Device

1. Press .
2. Touch Settings.

3. Touch Bluetooth, then Device Management.
4. Touch the device to delete.
5. Touch .
6. Touch Delete.

Bluetooth Music

Before playing Bluetooth music, read the following information.

- A cell phone or Bluetooth device that supports Advanced Audio Distribution Profile (A2DP) versions over 1.2 must be registered and connected to the product.
- From the cell phone or Bluetooth device, find the Bluetooth device type to set/connect the item as a stereo headset.
-  will appear on the screen if the stereo headset is successfully connected.
- The sound played by the Bluetooth device is delivered through the infotainment system.
- Bluetooth music can be played only when a Bluetooth device has been connected. To play Bluetooth music, connect the Bluetooth phone to the infotainment system.

Phone (Base Radio)

- If the Bluetooth device is disconnected while playing phone music, the music is discontinued. The audio streaming function may not be supported in some Bluetooth phones. Only one function can be used at a time between the Bluetooth hands-free or Phone music function. For example, if you convert to Bluetooth hands-free while playing Phone music, the music is discontinued. Playing music from the vehicle is not possible when there are no music files stored in the cell phone.

Playing Bluetooth Music

1. Press .
2. Touch AUDIO.
3. Touch Source.
4. Touch Bluetooth.

Pause

- Touch  to pause.
- Touch  to resume.

Playing the Next Song

Touch .

Playing the Previous Song

Touch  within two seconds of the playback time to play the previous song.

Returning to the Beginning of the Current Song

Touch  after two seconds of the playback time.

Search

Touch and hold  or  to rewind or fast forward.

Playing Music Randomly

Touch  during playback. Touch again to return to normal play. This function may not be supported depending on the Bluetooth device.

Do not change the track too quickly when playing Bluetooth music.

Conditions that may occur when playing Bluetooth music:

- It takes time to transmit data from the Bluetooth device to the infotainment system.
- If the cell phone or Bluetooth device is not in the waiting screen mode, it may not automatically play.
- The infotainment system transmits the order to play from the Bluetooth device in the Bluetooth music play mode. If this is done in a different mode, then the device transmits the order to stop. Depending on the Bluetooth device options, this order to play/stop may take time to activate.
- If the Bluetooth music playback is not functioning, then check to see if the Bluetooth device is in the waiting screen mode.

- Sounds may be cut off during the Bluetooth music playback.
- The infotainment system outputs the audio from the cell phone or Bluetooth device as it is transmitted.

Apple CarPlay and Android Auto

If equipped, Android Auto and/or Apple CarPlay capability may be available through a compatible smartphone. If available, PROJECTION will appear on the Home Page of the infotainment display.

Using Android Auto or Apple CarPlay

1. Download the Android Auto app to your phone from the Google Play store. No app is required for Apple CarPlay.
2. Connect an Android phone or iPhone by using the factory provided phone USB cable and plugging into a USB data port. For best performance, it is highly recommended to use the device's factory-provided USB cable. Aftermarket or third-party cables may not work.
3. When the phone is first connected to activate Apple CarPlay or Android Auto, the message "Device Projection Privacy Consent" will appear.
 - Select Continue to launch Apple CarPlay or Android Auto.

- Select Disable to remove Apple CarPlay and Android Auto capability from the vehicle Settings menu. Other functions may still work.

PROJECTION on the Home Page will change to Android Auto or Apple CarPlay depending on the phone. Android Auto and/or Apple CarPlay may automatically launch upon USB connection. If not, touch the ANDROID AUTO and/or APPLE CARPLAY icon on the Home Page to launch.

Press  on the center stack to return to the Home Page.

Additional Information

Android Auto is provided by Google and is subject to Google's terms and privacy policy. Apple CarPlay is provided by Apple and is subject to Apple's terms and privacy policy. Data plan rates apply. For Android Auto support see <https://support.google.com/androidauto>. For Apple CarPlay support see www.apple.com/ios/carplay/. Apple or Google may change or suspend availability at any time. Android Auto, Android, Google, Google Play, and other marks are trademarks of Google Inc.; Apple CarPlay is a trademark of Apple Inc.

SECTION 7 — PHONE (UPLEVEL RADIO)

Bluetooth (Overview)

The Bluetooth-capable system can interact with many cell phones, allowing:

- Placement and receipt of calls in a hands-free mode.
- Sharing of the cell phone's address book or contact list with the vehicle.

To minimize driver distraction, before driving, and with the vehicle parked:

- Become familiar with the features of the cell phone. Organize the phone book and contact lists clearly and delete duplicate or rarely used entries. If possible, program speed dial or other shortcuts.
- Review the controls and operation of the infotainment system.
- Pair cell phone(s) to the vehicle. The system may not work with all cell phones. See *Pairing* (page 68) in this section.

Vehicles with a Bluetooth system can use a Bluetooth-capable cell phone with a Hands-Free Profile to make and receive phone calls. The infotainment system and voice recognition are used to control the system. The system can be used while the ignition is ON or in ACC (Accessory) mode. The range of the Bluetooth

system can be up to 30 ft (9.1 m). Not all phones support all functions and not all phones work with the Bluetooth system.

Steering Wheel Controls

-  : Press to answer incoming calls, confirm system information, and start voice recognition.
-  : Press to end a call, decline a call, or cancel an operation. Press to mute or unmute the infotainment system when not on a call.

Infotainment System Controls

For information about how to navigate the menu system using the infotainment controls, see *Using the System* (page 33).

- Phone: Touch the Phone icon on the Home Page to enter the phone main menu.

Audio System

When using the Bluetooth system, sound comes through the vehicle's front audio system speakers and overrides the audio system. Turn the volume knob during a call to change the volume level. The adjusted volume level remains in memory for later calls. The system maintains a minimum volume level.

Phone (Uplevel Radio)

Pairing

A Bluetooth-enabled cell phone must be paired to the Bluetooth system and then connected to the vehicle before it can be used. See the cell phone manufacturer's user guide for Bluetooth functions before pairing the cell phone.

Pairing Information

- A Bluetooth phone with music capability can be paired to the vehicle as a phone and a music player at the same time.
- Up to 10 devices can be paired to the Bluetooth system.
- The pairing process is disabled when the vehicle is moving.
- Pairing only needs to be completed once, unless the pairing information on the cell phone changes or the cell phone is deleted from the system.
- One Bluetooth device can be connected to the Bluetooth system at a time.
- If multiple paired cell phones are within range of the system, the system connects to the paired cell phone in the order that they were last used in the system.

To link to a different paired phone, see *Linking to a Different Phone* (page 69) later in this section.

Pairing a Phone

1. Touch the Phone icon on the Home Page.
2. Touch Phone and select Pair Device.
3. A four-digit Personal Identification Number (PIN) appears on the display. The PIN, if required, may be used in Step 5.
4. Start the pairing process on the cell phone to be paired to the vehicle. See the cell phone manufacturer's user guide for information on this process.
5. Locate "MyLink" on the display. Follow the instructions on the cell phone to enter the PIN provided in Step 3 or confirm the six-digit code shown on the display. After the PIN is successfully entered or the code is confirmed, the system responds with "has been successfully paired" when the pairing process is complete.
6. If "MyLink" does not appear, turn the phone off or remove the phone battery and retry.
7. If the phone prompts to accept connection or allow phone book download, select always accept and allow. The phone book may not be available if not accepted.
8. Repeat Steps 1 - 7 to pair additional phones.

Listing All Paired and Connected Phones

1. Touch the Phone icon on the Home Page.
2. Touch Phones.

Disconnecting a Connected Phone

1. Touch the Phone icon on the Home Page.
2. Touch Phones.
3. Touch X next to the phone to disconnect.

Deleting a Paired Phone

Only disconnected phones can be deleted.

1. Touch the Phone icon on the Home Page.
2. Touch Phones.
3. Touch ⊖ next to the phone to delete and follow the on screen prompts.

Linking to a Different Phone

To link to a different phone, the new phone must be in the vehicle and paired to the Bluetooth system.

1. Touch the Phone icon on the Home Page.
2. Touch Phones.
3. Touch the new phone to link to a phone from the not connected device list.

Switching to Handset or Handsfree Mode

To switch between handset or handsfree mode, touch the Phone icon on the Home Page to display Call View.

- While the active call is hands-free, touch the Handset option to switch to the handset mode. The option changes to Handsfree once the Bluetooth device confirms it is operating as handset.
- While the active call is handset, touch the Handsfree option to switch to the hands free mode. The option changes to Handset once the Bluetooth device confirms it is operating as handsfree.

Making a Call Using the Keypad

1. Touch the Phone icon on the Home Page.
2. Touch Keypad and enter a phone number.
3. Touch Call to start dialing the number.

Making a Call Using Contacts and Recent Calls

Calls can be made through the Bluetooth system using personal cell phone contact information for all phones that support the Phone Book feature. Become familiar with the phone settings and operation. Verify the cell phone supports this feature.

When supported, the Contacts and Recent Calls menus are automatically available.

The Contacts menu accesses the phone book stored in the cell phone.

Phone (Uplevel Radio)

The Recent Calls menu accesses the recent call list(s) from your cell phone.

Making a Call Using the Contacts Menu

1. Touch the Phone icon on the Home Page.
2. Touch Contacts.
3. Touch the name to call.
4. Touch the desired contact number to call.

Making a Call Using the Recent Calls Menu

1. Touch the Phone icon on the Home Page.
2. Touch Recent.
3. Touch the name or number to call.
4. If necessary, select between Missed, Recent, and Sent calls by touching View in the top right corner of the list.

Accepting or Declining a Call

When an incoming call is received, the infotainment system mutes and a ring tone is heard in the vehicle.

Accepting a Call

There are a few ways to accept a call:

- Press  on the steering wheel controls.
- Touch Answer on the infotainment display.

Declining a Call

There are a few ways to decline a call:

- Press  on the steering wheel controls.
- Touch Ignore on the infotainment display.

Call Waiting

Call waiting must be supported on the Bluetooth phone and enabled by the wireless service carrier to work.

Accepting a Call

There are two ways to accept a call:

- Press  on the steering wheel controls.
- Touch Answer on the infotainment display.

Declining a Call

There are two way to decline a call:

- Press  on the steering wheel controls.
- Touch Ignore on the infotainment display.

Switching Between Calls (Call Waiting Calls Only)

To switch between calls, touch the Phone icon on the Home Page to display Call View. While in Call View, touch the call information of the call on hold to change calls.

Three-Way Calling

Three-way calling must be supported on the Bluetooth phone and enabled by the wireless service carrier to work.

Starting a Three-way Call While in a Call

1. In the Call View, touch Add to add another call.
2. Initiate the second call by selecting from Recent, Contacts, or Keypad.
3. When the second call is active, touch Merge to conference the three-way call together.
4. Once all calls are merged, the Merge option becomes an Unmerge option. Touch to unmerge the calls. Some wireless service carriers may not allow a merged call to become unmerged.

Ending a Call

Some wireless service carriers may not allow a merged call to become unmerged.

- Press  on the steering wheel controls.
- Touch End on the infotainment display to end all existing calls, or touch End next to a call to end only that call.

Dual Tone Multi-Frequency (DTMF) Tones

The in-vehicle Bluetooth system can send numbers during a call. This is used when calling a menu-driven phone system.

1. Touch the Phone icon on the Home Page.
2. While in the Call View, drag  up to raise the interaction selector.
3. Touch Keypad and enter the number.

Voice Mail

The default voice mail number is the phone number of the currently connected phone. The voice mail number can be changed in Bluetooth settings.

Dialing a Voice Mail Number

1. Touch the Phone icon on the Home Page.
2. Touch Voice Mail.
3. Touch Call.
4. Enter the DTMF tones using the keypad if needed.

Clearing the System

Unless information is deleted out of the vehicle Bluetooth system, it will be retained. This includes phone pairing information. For directions on how to delete this information, see *Deleting a Paired Phone* (page 69).

Bluetooth (Voice Recognition)

To use voice recognition, press $\mu\xi$ on the steering wheel controls. Use the commands below for the various voice features. For additional information, say "Help" while in a voice recognition menu. See *Voice Recognition* (page 51) for help using voice recognition commands.

Calling a Specific Phone Number

1. Press $\mu\xi$. The system responds "Command Please," followed by a tone.
2. Say "Dial" or "Call" followed by the complete phone number.

Use the "Voice Keypad" command for international numbers or special numbers which include * or #.

Once connected, the person called will be heard through the audio speakers.

Calling a Contact in Your Phone Book

1. Press $\mu\xi$. The system responds "Command Please," followed by a tone.
2. Say "Dial" or "Call" and then say the contact name. For example "Call John at Work."

Once connected, the person called will be heard through the audio speakers.

Calling Local Emergency Numbers

1. Press $\mu\xi$. The system responds "Command Please," followed by a tone.
2. Say "Call <emergency number>."

Once connected, the person called will be heard through the audio speakers.

Using the "Switch Phone" Command

1. Press $\mu\xi$. The system responds "Command Please," followed by a tone.
2. After the tone, say "Switch Phone." The system displays a list of phones to select.

Using the "Voice Keypad" Command

1. Press $\mu\xi$. The system responds "Command Please," followed by a tone.
2. After the tone, say "Voice Keypad." The system allows entry of special numbers and characters.

Using the "Voice Mail" Command

1. Press $\mu\xi$. The system responds "Command Please," followed by a tone.
2. After the tone, say "Voice Mail."

Text Messaging

If equipped, the infotainment system may allow text messages to be received and replied to. Received messages can also be read aloud. Before using the text messaging feature, check to see if the phone is compatible.

Text Menu

- **Inbox:** Touch to display incoming messages. To view a message, touch on the name of the sender. Touch  to listen to the text message. Press  BACK or  BACK on the center stack or touch the Back icon on the infotainment display to go back to the previous menu.
- **Settings:** See *Text Settings* (page 74) later in this section.
- **Reply:** Touch to reply using a predefined text message. See *Text Settings* (page 74) later in this section.
- **Call:** Touch to place a call to the sender of the text message.

Viewing a Text Message

While viewing a text message:

- Touch Reply to reply using a predefined text message.
- Touch Call to place a call to the sender of the text message.

Viewing Sender Information

If equipped, touch the name of the sender to view sender information if this information matches contact information already stored.

Predefined Messages

These are short text messages that can be used to send so responses will not have to be typed.

The messages can be deleted or a new message can be added.

- **Select a Predefined Message:** Touch to select from a set of quick messages. Touch the message to send.

To add a new message:

1. Touch Text Settings, then touch Manage Predefined Messages.
2. While in the predefined messages list view, select Add New Predefined Message and a keyboard displays.
3. Type a new message and touch NEW MSG when done to add the message. Press  BACK or  BACK on the center stack or touch the Back icon on the infotainment display to go back to the predefined messages list. Touch X to delete one character at a time.

Memory Full

This message may display if there is no more room on the phone to store messages.

Phone (Uplevel Radio)

Text Settings

Text Alerts: When on, this feature will display an alert when a new text message has been received. Touch to turn on or off.

Manage Predefined Messages: Touch to add, change, or delete predefined messages.

Apple CarPlay and Android Auto

If equipped, Android Auto and / or Apple CarPlay capability may be available through a compatible smartphone. If available, PROJECTION will appear on the Home Page of the infotainment display.

Using Android Auto and/or Apple CarPlay

1. Download the Android Auto app to your phone from the Google Play store. No app is required for Apple CarPlay.
2. Connect an Android phone or iPhone by using the compatible phone USB cable and plugging into a USB data port. For best performance, use the device's factory-provided USB cable. Aftermarket or third-party cables may not work.
3. When the phone is first connected to activate Apple CarPlay or Android Auto, the message "Device Projection Privacy Consent" will appear.
 - Touch Continue to launch Apple CarPlay or Android Auto.

- Touch Disable to remove Apple CarPlay and Android Auto capability from the vehicle Settings menu. Other functions may still work.

PROJECTION on the Home Page will change to Android Auto or Apple CarPlay depending on the phone. Android Auto and / or Apple CarPlay may automatically launch upon USB connection. If not, touch the ANDROID AUTO and / or APPLE CARPLAY icon on the Home Page to launch.

Press Home on the center stack to return to the Home Page.

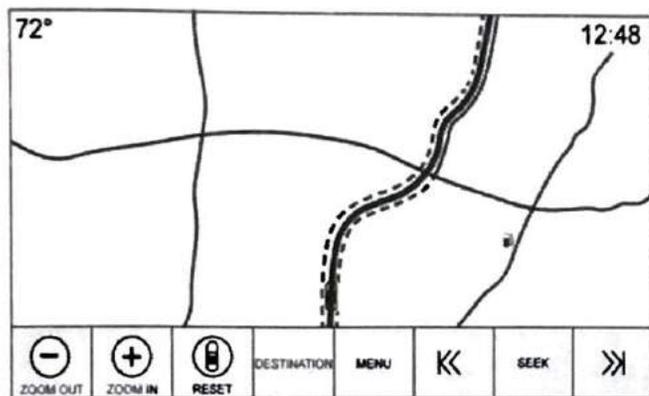
Additional Information

Android Auto is provided by Google and is subject to Google's terms and privacy policy. Apple CarPlay is provided by Apple and is subject to Apple's terms and privacy policy. Data plan rates apply. For Android Auto support see <https://support.google.com/androidauto>. For Apple CarPlay support see www.apple.com/ios/carplay/. Apple or Google may change or suspend availability at any time. Android Auto, Android, Google, Google Play, and other marks are trademarks of Google Inc.; Apple CarPlay is a trademark of Apple Inc.

SECTION 8 — NAVIGATION (00008RNX OR 00008RNP)

Using the Map

Touch the Nav icon on the Home Page or the Nav icon in the applications tray to access the navigation application.



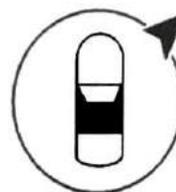
0000430008

If you have not interacted with the navigation application in a while, the controls will be hidden (to display more of the map). Touch anywhere along the bottom or top of the display to show the controls again.

The Vehicle Icon

The vehicle icon indicates the current position and heading direction of the vehicle on the map. When under route

guidance, a circle with an arrow that indicates the direction to the destination is added to this icon.



0000430010

or



0000430011

Tap on the vehicle icon to show current address of the vehicle (including street, city, and state / province names) on the map next to the vehicle.

- Tap on the displayed address to save this address information to the vehicle's address book.
- Tap on the vehicle icon again to hide this information.

Zooming In and Out

ZOOM +/- can be used to adjust the scale of view on the map. When the end of the zoom level is reached, ZOOM +/- will gray out.

The zoom scales can be configured for English or metric units. To change from English to metric, see *Instrument Cluster* in the vehicle Operation and Maintenance Manual.

Navigation (00008RNX or 00008RNP)

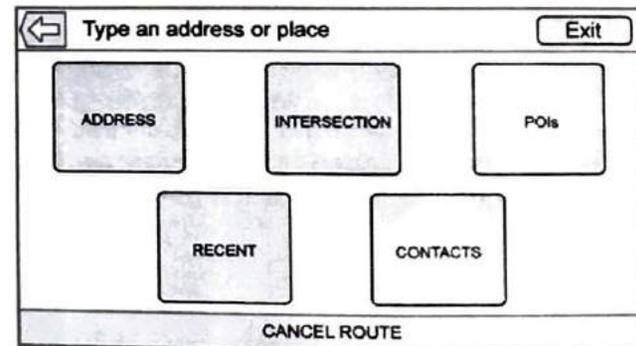
Scrolling and the Map Display

- To scroll within the map, touch anywhere on the map view.
- Nudge or slide a finger on the map; the map moves in the direction of the finger.
- Fling a finger on the map; the map will start scrolling in a short continuous scroll.
- Touch a location on the map; the map recenters to the location that was touched on.
- Touch a location twice on the map; the map zooms in one level to the location that was touched twice on.
- When the map is recentered away from being locked to the vehicle position, the crosshairs will show in the center of the map. As the map continues to be recentered, the crosshairs will remain on the screen. When the crosshairs are shown on the screen, a callout with more information displays. If the map is moved from the current location, the crosshairs will disappear along with the callout.
- Touch on the callout next to the crosshairs and the destination details view displays. From this view, route guidance can be received or saved to the vehicle's contact list.
- When the map is recentered, the straight-line distance from the vehicle to the selected point is displayed in the callout. In addition, a heading direction in the form of an arrow is displayed to indicate the direction. The arrow is shown in relation to the current vehicle heading.

- Touch on a POI icon shown on the map; the name of the POI is shown in the address callout, along with the city name and state. If the callout is selected, the destination details view for the POI is shown.
- After panning the map away from the vehicle, touch Reset to return the map back to the current position.
- Touch Overview to quickly get a view of the entire route. The route Overview takes the place of the Reset option while under route guidance. Touch Reset to return the map to the current position.

Setting a Destination

To set a destination for route guidance, touch the Destination control in the map view.



0000430012

Some destination items may be grayed out if no destination was previously entered or saved.

Entering an Address

The screenshot shows a mobile application interface titled "Address Entry". At the top left is a back arrow icon, and at the top right is a "GO" button with a checkmark. Below the title bar are three input fields: "City:" with a dropdown menu currently showing "MICHIGAN (USA)", "Street:", and "House #:". Each field has a light blue background and a white border.

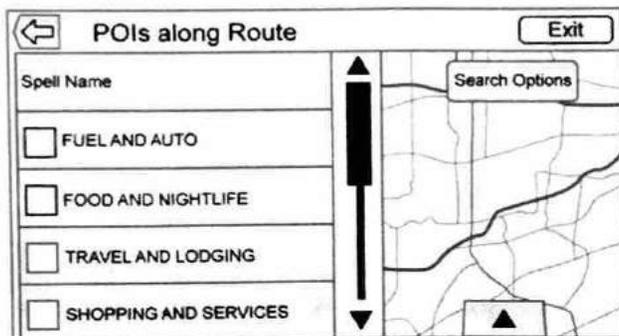
0000430013

- State / province information does not have to be included in the search field if entering an address that is located in the same state / province.
- Whenever the keyboard view is entered, the last text that was typed, even if it was not searched on, will display.
- A partial or complete address can be typed in the search field. If a partial address is typed, the system attempts to use local knowledge to fill in additional information. For example, if no city name or state/province are given, the system assumes a search for something in the current city or a nearby city in the current state / province. The system is also capable of recognizing address formats according to other regions.

If a destination address or location being entered is outside of the country, the country abbreviation must be added after the address.

- A destination can be searched by typing out the address, intersection, highway, or freeway entrance ramps on the keyboard. This information is typed and displayed in the information field. Touch the search icon to start the search. For example:
 - City: Crawford
 - Street: Main Rd
 - House #: 12334

Searching for a Place of Interest (POI)



0000430014

Display a list of POI categories. The first list item in every POI list is a search function. For the highest level of categories, touch Spell Name or select a category and search within that selection.

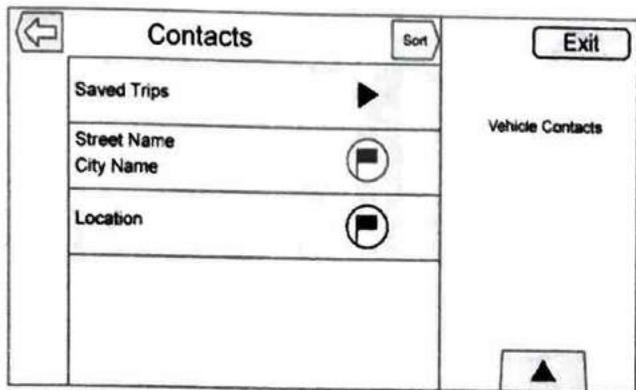
- Select a POI category to display subcategories.
- If a selected subcategory has no results in the surrounding area, the search is expanded until a result is found.

- If a high-level category is selected, such as restaurants, the map zooms in to the region near the vehicle's position to show the nearest matches. When a list displays, it can be filtered for a particular type by touching the filter along the top of the screen. If there are no particular results for a selected filter type, it is indicated in the list.
- Pan or zoom the map using the finger gestures to minimize the POI list and to interact with the map. The icons that were shown before continue to be displayed and updated. The list is also updated based on where the map was panned or zoomed. The search for POIs is constrained to where the map has been moved to.
- If the search map is touched to re-center, the crosshairs are shown to indicate the center of the new search location. If a POI icon is touched on while in the full expanded map, a callout for that location displays. Touch the callout to display the destination details view.
- Touch the map reset option to return the map to automatic zooming and searching. It is recentered around the vehicle's position, the route, the destination, or another location that was specified for the search. The map Reset option is only displayed if the map was manually adjusted.

If multiple types of matches are found, the All list is shown with the results sorted by confidence order with the highest confidence result at the top.

Selecting an Address from a Contacts List

Select Contacts to view the vehicle's contact list or the contacts from a connected Bluetooth device.

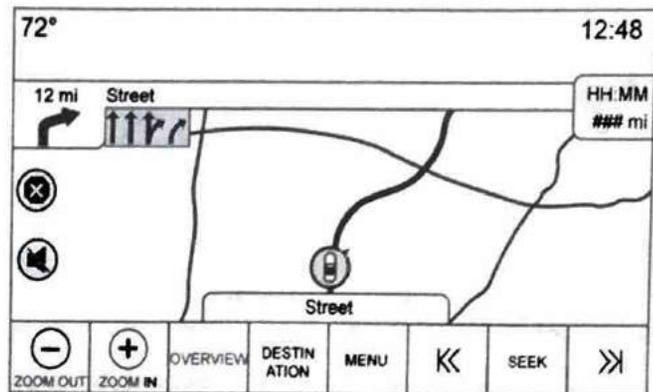


0000430015

- If a particular contact has a single address associated with it, that contact has a Quick Route icon next to it. Touch this icon to go to the Destination Details view.
- Contacts without the Quick Route icon either have multiple addresses or no address at all. View the details for the contact. If the desired address is listed in the contact details, select that address.
- Trips from Contacts can be saved and recalled. The order is based on when the trip was last used. When the trips are saved, they are given a default title of the final destination name. If there are no saved trips, the Saved Trips list item is hidden.

Route Guidance

Once a destination is selected, route guidance information will be displayed on the map.



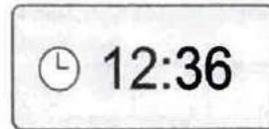
0000430044

Current Street Name

The current street name that the vehicle is driving on is displayed along the bottom center of the display. When driving off-road or on an unknown road, "Off Road Location" displays.

Navigation (00008RNX or 00008RNP)

Time To Destination



0000430027

When under route guidance, the system shows the ETA or travel time, or the driving distance. Touch Arrival to cycle through the three.

- The ETA and travel time are calculated using any available traffic information.
- If in a waypoint trip, the ETA, travel time, and driving distance are all shown relative to the final destination.
- The final ETA is shown taking into consideration any time zone crossings that the route has traveled through.

- Touch the ETA information area to switch between the estimated arrival time, total driving time resulting, and driving distance.

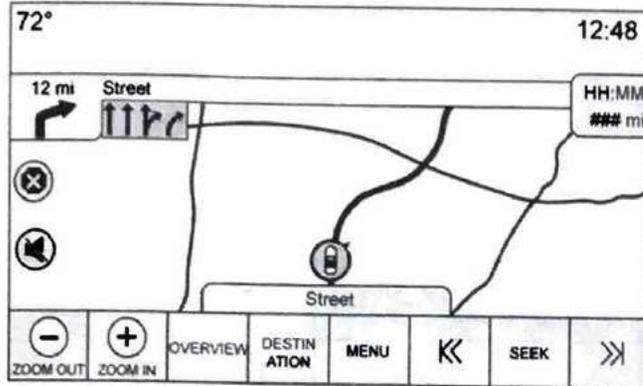
Recommended Maneuver



0000430032

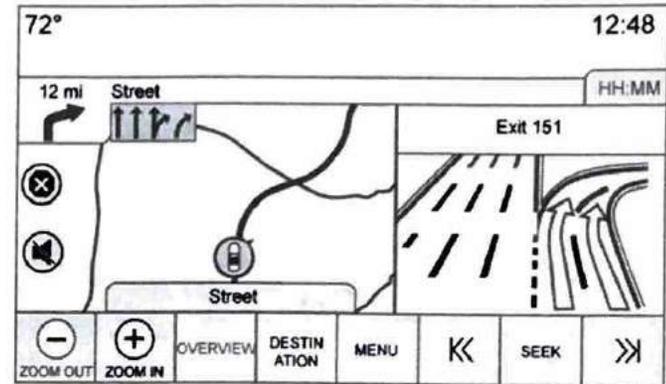
These symbols indicate the recommended maneuver that should be performed. Touch it to display the turn list or the waypoint list. See *Turn List* (page 83).

City Lane Guidance



0000430044

Highway Lane Guidance



0000430042

When a maneuver is approached that has city lane guidance information, it replaces the normal maneuver indicator.

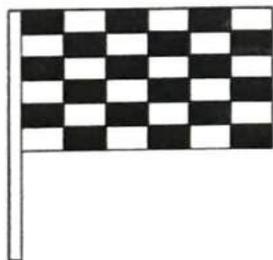
The arrows will expand toward the center of the screen so that the maneuvers can be identified in an easier way.

The junction view image displays on the right edge of the screen and temporarily covers the Distance information. The current vehicle position and street name is moved left and centered in the available map display when this is displayed.

Map Symbols

Following are the most common symbols that appear on the map when driving with route guidance.

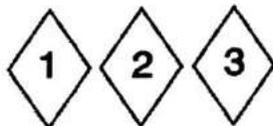
Destination Symbol



0000430026

The destination symbol marks the final destination after a route has been planned.

Waypoint Symbols

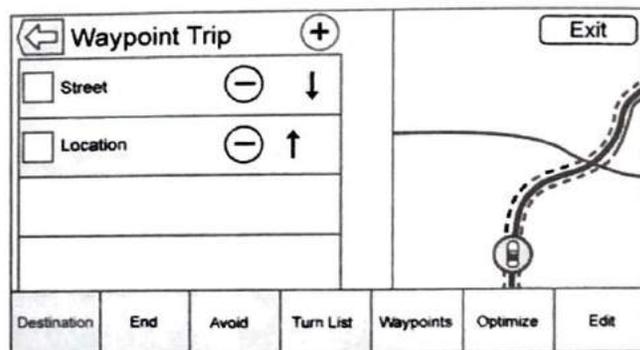


0000430009

A waypoint is a stopover destination added to a planned route. If one or more waypoints have been added to the current route, a waypoint symbol will mark each waypoint added.

Turn List and Waypoint List

Touch the recommended maneuver indicator to display the turn list, the waypoint list or the Edit Route page (whichever was last viewed).



0000430041

Touch the screen and drag up to display a menu bar that allows you to switch between pages and modify routes. The options in this bar include the following:

Destination

Touch Destination to add a waypoint or change the destination. When Destination is touched, the display shows the Destination menus.

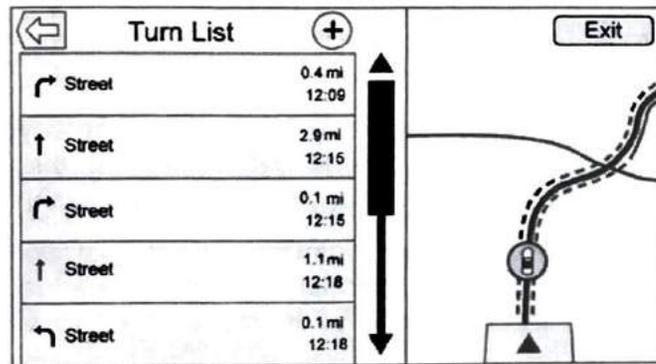
End Guidance

Touch End Guidance to suspend the current route in the turn list. When End Guidance is touched, the turn list is exited and the display returns to the main map view.

Avoid Areas

Touch Avoid Areas to select the highway name that is to be avoided. The system shows a pop-up asking how many miles or if the entire road should be avoided.

Turn List

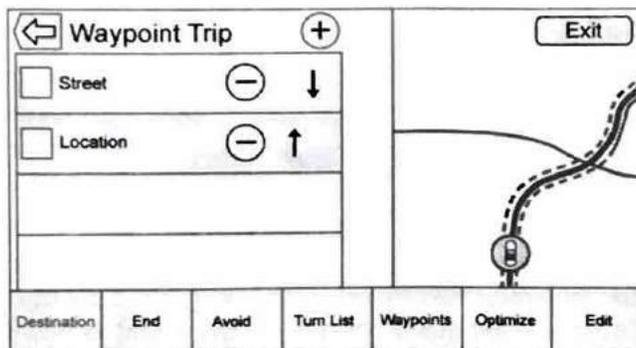


0000430040

Touch Turn List to display the turn list.

- The turn list title is the name or address of the destination. Touch on the information icon next to the name of the destination to display the destination information.
- The turn list is sorted in order with the next maneuver at the top of the list and the subsequent maneuvers listed below it. The next maneuver is always highlighted upon entry into the Turn List to quickly show what the next maneuver is.
- Each maneuver indicates the distance between it and the previous maneuver or the vehicle's current location. The next maneuver at the top will count down until the maneuver is reached, and then the next maneuver will begin to count down.
- Each maneuver has an estimated time of arrival based on the current driving conditions.

Waypoint List



0000430041

Touch Waypoints to display the waypoint list.

- The waypoint list is sorted in order with the next waypoint at the top of the list. Each waypoint is indicated with a numbered icon, starting with the next waypoint.
- Route segments appear in different colors to indicate what portion of the route is for the next waypoint, and what portion is for the remainder of the route.

Optimized Route

Touch Optimize to optimize the current trip (if the trip contains waypoints).

- The optimization is done according to how the preferences are set for new routes, for example, fastest route, shortest distance, or eco friendly.
- While the system is optimizing the route, the waypoint trip has the Activity Indicator displayed over top of it. If the system is calculating the ETA and travel distance for a waypoint, the Activity Indicator is displayed in the list header.
- When either a waypoint trip is first created, or additional waypoints are added to an existing waypoint trip, they are added in the location that would lead to an optimized route.
- If a destination is already planned and a waypoint is added, it is either added before or after the current destination, whichever leads to the most optimal route.
- If under an existing waypoint trip consisting of two or more destinations, any additional waypoints are added in the location that would lead to the most optimal route.

Edit Route

Touch Edit Route to modify the order of waypoints or remove a waypoint from the route.

Creating and Downloading Predefined POIs (My POIs)

In addition to the POIs already stored in the Infotainment system, predefined POIs can be created.

While creating a predefined POI, the GPS coordinates for longitude and latitude of the POI's location and a descriptive name will need to be entered.

After creating the predefined POIs, they can be downloaded to the infotainment system from a USB device.

Once downloaded, the POI data becomes a selectable destination in the My POIs menu.

Creating a Text File with POI Information

1. Create a new file with a text editor.
2. Enter each POI on its own line. The format for each entry is:
<Longitude coordinate>, <Latitude coordinate>, "<Name of POI>," "<Additional information>," "<Phone number>."

For example:

7.0350000, 50.6318040, "Michaels Home," "123 Maple Lane," "02379234567."

3. Save the completed file with the file name extension of .csv, for example, "TomsPOI.csv."

Other formatting rules:

- The GPS coordinates must be expressed in decimal degrees and can be taken from a geographical map. The additional information and phone number strings are optional.
- The POI name and the additional information string may not exceed 60 characters.
- POI information for each destination address must be entered in a single separate line.
- If the POIs are to be sorted into different categories, creating a different file for each category will save time sorting POIs later.

Copying the POIs to a USB Device

1. In the root folder of a USB device, create a folder named "myPOIs,"
2. Copy your POI text file into the myPOIs folder. For example, if your USB device appears as drive F: on your computer, your file should be copied here:

"F:\myPOIs\
"

If you separated the POIs into different categories, create a subfolder for each category and copy each .csv file into the appropriate folder. For example "F:\myPOIs\Restaurants\MyRestaurants.csv" might contain a list of restaurants.

Downloading the POIs to the Infotainment System

Connect the USB drive containing the POI information to the USB port of the infotainment system.

A message displays prompting whether or not to download the POI information from the USB stick. All POIs found are saved even if they are in multiple folders. If the message is dismissed or ignored, no POI information is downloaded. This prompt will not reoccur for the current ignition cycle.

When POIs are found on a media device, the date of the file is examined and compared to the date for the files already in the system. If the file being downloaded is newer than the one on the system, that particular category of POIs is overwritten. Any other POIs that had previously been saved in other categories are not affected.

When the system is finished downloading, a pop-up displays asking to specify a category for the new POIs, if desired.

Browsing Downloaded POIs

Access the downloaded POIs by selecting the My POIs list item in the POIs list.

Editing My POIs

Downloaded POIs can be edited at a category level. These POIs can either be deleted as an entire category or be reassigned as another category. To edit the categories:

- Select Edit at the main category view to edit the POIs. Edit icons display next to each category name. There is no POI browsing in this mode. Only edit functions are available.
- Once an action such as deleting or reassigning has been selected, the changes are saved immediately.

Changing POI Categories

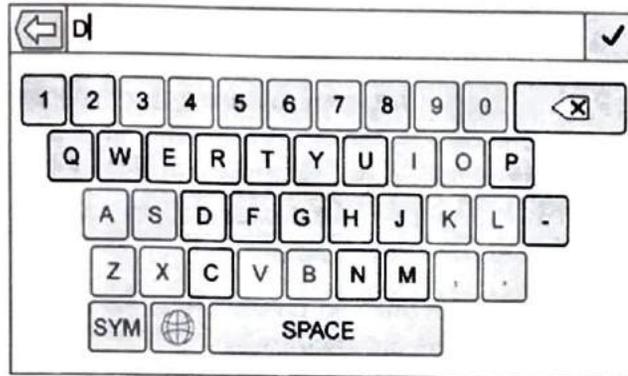
POI categories can be assigned to a different category by using the same method as assigning a category for an Address Book entry. When editing, the right side of the displays the current category name.

Deleting POI Categories

POI categories can be deleted by selecting Edit and then Delete. A pop-up displays to confirm the deletion.

Alpha-Numeric Keyboard

The keyboard is used in multiple locations throughout the system and can be used with many features. The navigation system uses the keyboard's alpha-numeric keyboard.



0000430256

The keyboard can also be modified to include characters appropriate for the region configured in the vehicle settings.

✓ : Touch to search for the destination details of an address or place of interest entered in the text field. Once ✓ is touched, the activity indicator displays in the list of possible matches.

∇ : Touch to display a list of matches. When there are multiple matches, a dropdown arrow is shown after the autocomplete

text. This dropdown displays an entire list of matches. Touch the appropriate match without having to enter more text.

X : Touch to delete the last typed character. Touch and hold this icon to clear the entire text field. If the entire text field has been deleted, this icon becomes an Undo option. Touching Undo will restore the deleted text.

Exit : Touch to return to the previous Map view.

SYM : Touch to show the symbol keyboard.

Space : Touch to enter a space between characters or the words of a name.

∧ : Touch to display the interaction selector.

🌐 : If equipped, touch to switch between Alpha-Numeric Keyboard and Character Recognition.

Special Characters

As the characters are typed on the keyboard, a pop-up of the letter touched displays above the key that was touched.

Continue to touch and hold, and any additional special characters associated with that letter are displayed around the current letter. To select one of the special characters, slide a finger left or right to adjust the highlight of the special character.

Navigation (00008RNX or 00008RNP)

The following characters have special characters beneath them:

E - É È Ê Ë	More Characters:
Y - Ÿ	0 - °
U - Û Ü Ù Ú	l - l
I - Ī Ĩ İ ï	\$ - ¥ € ¢
O - Ō Ŏ Œ Œ Ó Ò Ô	& - §
A - Å Ä Å Æ Å Æ	" - « »
S - ß (for lowercase s) Š š	? - ¿
L - Ł	{ - {
Z - Ź Ź	} - }
C - Ć Ć	.com - .net .org
N - Ń Ń	
· - ...	

0000430028

One-Shot Search

Enter a full or partial Address, Contact, or POI into the search bar and the system will search and display all of the matches. The contacts that are searched include both connected phone's contacts list and the vehicle's contacts list. Search Process

Character Handwriting Recognition

Character handwriting recognition is offered as an alternative to using a keyboard. This character input method allows the

drawing out of characters instead of picking them out from the keyboard. Character handwriting recognition has two main modes, upper case and mixed case. The upper case mode is used for Destination Entry while mixed case is used for all other character entry modes. This feature is available by touching the globe icon from the keyboard display.

The Handwriting Recognition screen is split into different zones:

Drawing Pad: This is the area to draw a character. Draw a character in the display area. When the first character is complete, a representation of that character can be seen, and there is an audible response. If the character is correct, the next character can be started immediately.

- To delete the last entered character, draw a line from left to right across the character field.
- To create a space, draw a line from right to left across the character field.

Prioritized Guess List: This area displays a list of guesses for the character drawn. If character recognition displays the incorrect character, look at this list and see if the desired character is available to select. Scroll up or down the list, then highlight the desired character. Selecting a character from the list will replace the incorrect character with the desired character. The character is displayed in the character entry section of the display.

Character Entry: This is the area across the top of the display. This section can look different depending on which feature is being used.

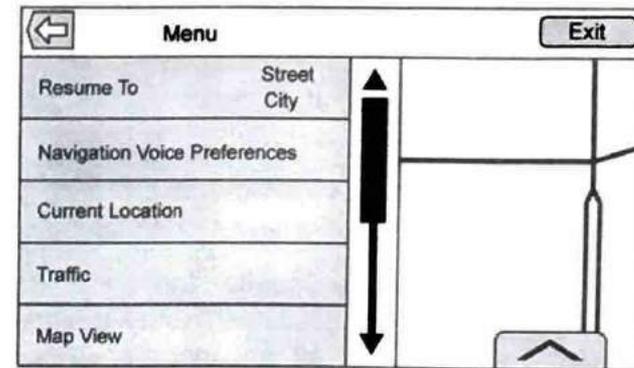
Option Settings

This section is an area on the right side of the Character Recognition display. This section will only look different if the characters showing on the display are in upper case or mixed case.

- **O** : Select from the infotainment display. The draw speed setting will adjust the speed of the character recognition feature. The settings are: Faster, Default, and Slower.
- **Audio Feedback** : Touch to turn Audio Feedback On or Off. Audio feedback is an audible response to an action that has occurred while using the Character Recognition.
- **ABC / abc** : Select from the infotainment display to view the available character sets. Select a character set to change. Multiple character sets may not be supported by some regions. This option also displays the sentence case of upper or lower case characters that are currently active in a mixed case mode. If only one character set is available for the desired region, touching the character recognition will only open and close the character recognition window. If mixed case character mode is supported, the last characters of character recognition will be upper and lower case.

The Navigation Menu

Touch the Menu icon from the map view to access the Navigation Menu. Features displayed in the Navigation Menu can be selected to adjust navigation preferences.



0000430029

Options in this menu include:

- Cancel Route / Resume To
- Navigation Voice Preferences
- Current Location
- Map View
- Traffic

Navigation (00008RNX or 00008RNP)

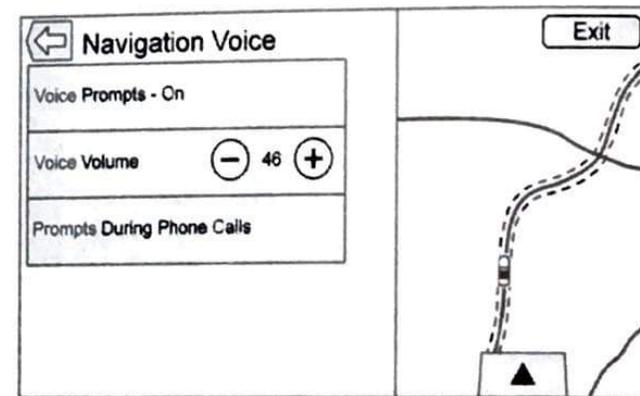
- Routing Preferences
- Display “Places of Interest” Icons
- Personal Data

Cancel Route / Resume To

- While under route guidance, this option displays Cancel Route. Touch Cancel Route to cancel route guidance. No further prompts will be given. This option then changes to Resume To.
- Touch the Resume To option to resume route guidance to the last entered destination.
- The last location that the system has provided guidance to can be resumed by touching on this option.
- If the route includes waypoints, the entire route can be suspended using the Cancel Route option. When Resume To is touched, all waypoints are resumed for guidance.

Navigation Voice Preferences

Touch the Navigation Voice Preferences option to adjust the voice preferences.



0000430034

Voice Prompts

Touch the Voice Prompts option to toggle voice prompts On and Off.

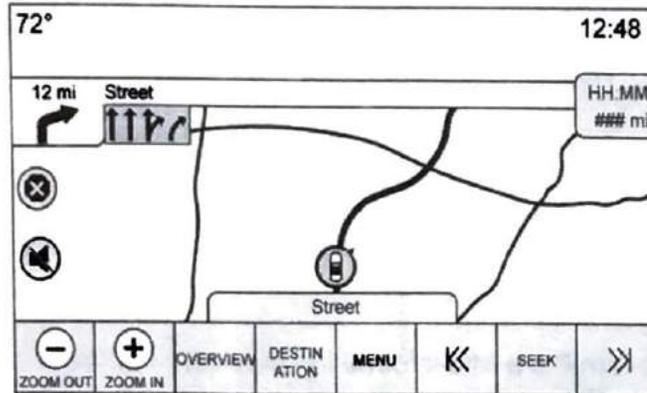
Voice Volume

Adjust the loudness of the audio feedback by touching - or +. If a maneuver prompt is being played, and the main volume is adjusted, the prompt volume will update and be saved.

Prompts During Phone Calls

When enabled, the system plays a shorter prompt while on a phone call. This setting can be configured as to whether a prompt would be heard during a phone conversation.

When this setting is Off, only the short alert tone is played when approaching the maneuver.

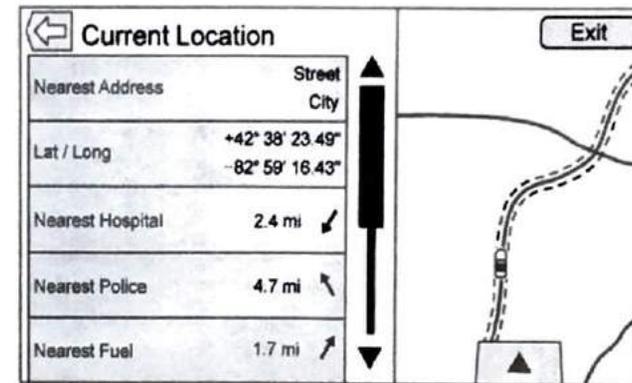


0000430044

Touch the Mute icon on the left side of the map while in map view to turn voice prompts On or Off.

Current Location

Touch the Current Location feature to display a Current Location list.



0000430036

The following information is displayed on the Current Location options:

- Nearest Address
- Lat / Long
- Nearest Hospital
- Nearest Police
- Nearest Fuel

Navigation (00008RNX or 00008RNP)

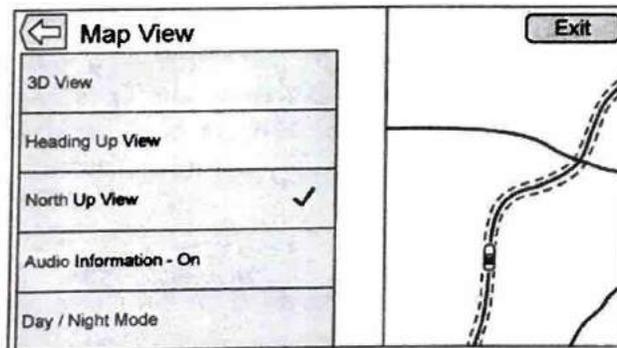
- Nearest Service

Touch on any of the options to display the Destination Details view for the selected location to begin guidance.

Touch Nearest Address and then the Save option to store the current location to the Address Book.

Map View

Touch to select the desired map view. A checkmark appears to indicate a view has been selected.



0000430037

3D View

The 3D View is a Heading Up view but it includes perspective. Map items will appear larger as the vehicle comes closer.

Heading Up View

The Heading Up View keeps the vehicle's current heading at the top of the view. The vehicle icon always faces the top of the view as the map rotates.

North Up View

The North Up View keeps north at the top of the view. The vehicle icon is placed in the center of the view and rotates to indicate the heading for the vehicle.

Audio Information

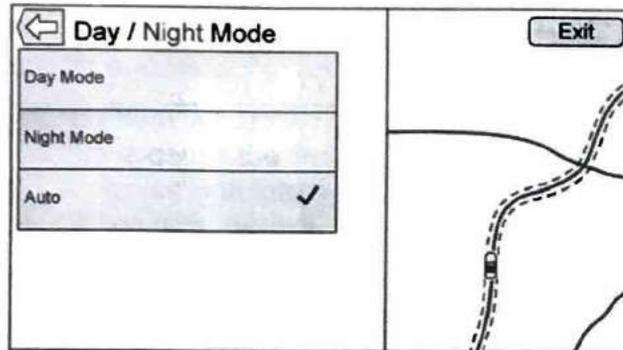
Touch to turn the audio information view on or off from the main map view. The audio status screen contains:

- Station Frequency
- Artist Information
- Song Information
- ▶ / || or ◀◀, ◀◀, ◀◀ or ▶▶, ▶▶, ▶▶ Station and Channel Controls

Touch the ◀◀, ◀◀, ◀◀ or ▶▶, ▶▶, ▶▶ Station controls to go to the next or previous strong signal station or digital channel.

When the audio status pane displays Artist and Song Information, touch <<, ⏮, ⏪ or ⏩, ⏭, >> to go to the next or previous track based on the current media mode.

Day / Night Mode



0000430038

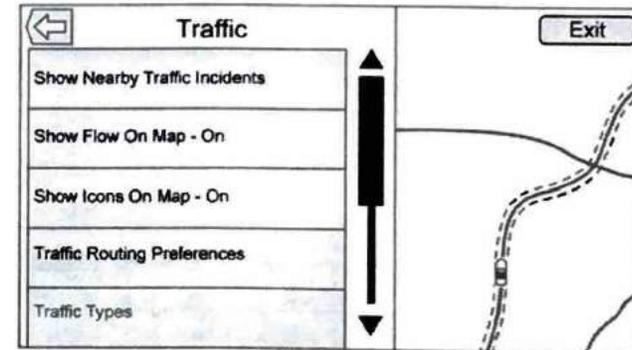
Touch to access the Day / Night Mode menu.

The options are:

- Day Mode: Brightens the map background.
- Night Mode: Darkens the map background.
- Auto: Adjusts the display background automatically depending on the exterior lighting conditions.

Traffic (If Equipped)

Touch to browse the traffic in the area as well as adjust the traffic settings. Where traffic information is available, it is displayed on the map.



0000430039

Where live traffic flow data is available, it is displayed as a solid line adjacent to the road. The road is displayed in colors to show the flow rate as:

- Black – Stopped or Closed
- Red – Poor
- Yellow – Slow

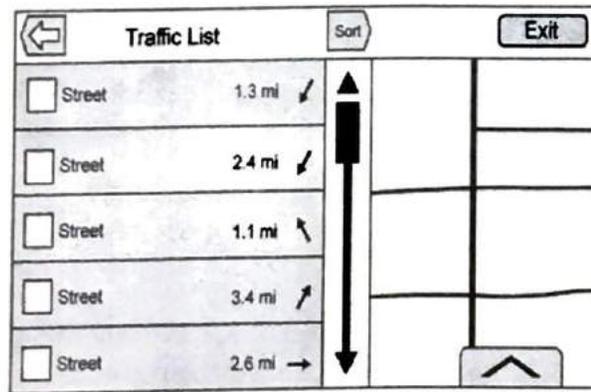
Navigation (00008RNX or 00008RNP)

- Green – Normal

There are several options on the Traffic menu:

- Show Nearby Traffic Incidents
- Show Flow On Map On / Off
- Show Icons On Map On / Off
- Traffic Routing Preferences
- Traffic Types

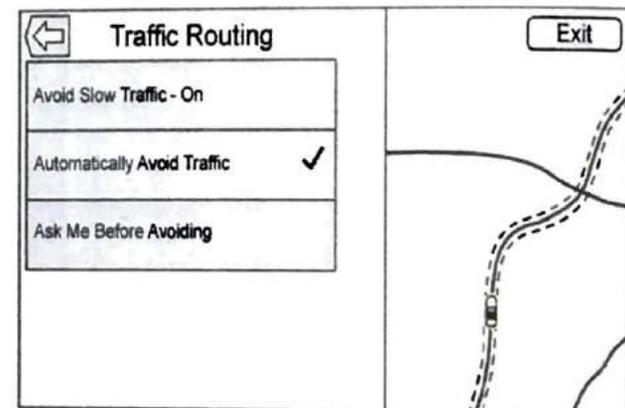
Show Nearby Traffic Incidents



0000430030

1. Touch Show Nearby Traffic Incidents to access the Traffic List menu. This menu displays the incident symbol and highway name, along with the distance and heading to the incident.
2. Touch an incident to display additional details about the incident as well as an option to avoid that particular incident if it is along the current route.

Traffic Routing Preferences



0000430086

The system can be configured as to how it reacts when receiving traffic information. Touch Traffic Routing Preferences to access the Traffic Routing menu.

When this setting is Off, the system will never take traffic conditions into account when creating routes. In addition, the two options below are grayed out. If one of the grayed-out

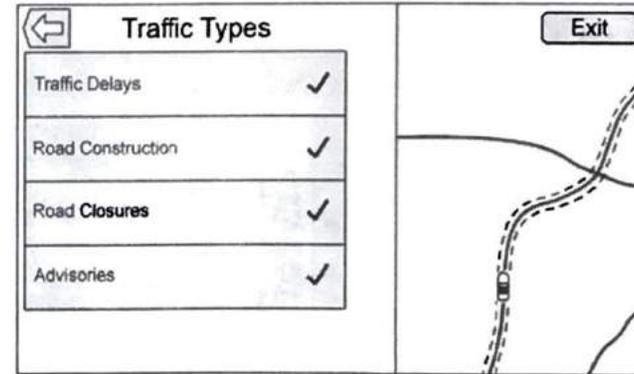
options is touched, it automatically turns the traffic avoidance feature On and performs the desired selection.

The two options, Ask Me Before Avoiding and Automatically Avoid Traffic will adjust the system as follows:

- If the Automatically Avoid Traffic list item is touched, the system will automatically adjust the route based on traffic without notifying the driver.
- If the Ask Me Before Avoiding list item is touched, the system will always use Alerts to show when there is an incident and allow it to be avoided by touching Avoid.

If the Traffic list item is touched from the Map Menu and Traffic is not available because the SiriusXM subscription is not valid, a pop-up will display with information on how to reactivate the subscription along with the SiriusXM radio ID.

Traffic Types

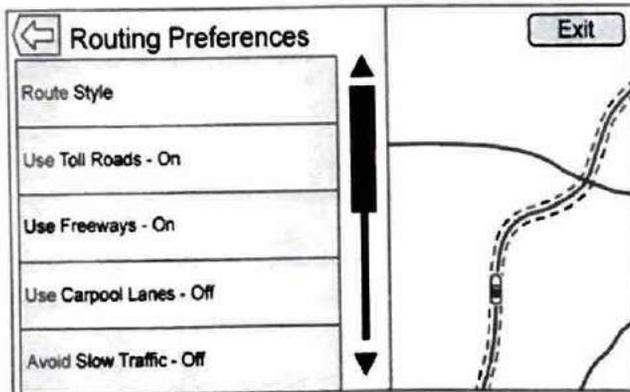


0000430273

Touch to access the Traffic Types menu. The system can be configured to filter out certain types of traffic events. If a particular type has been turned off, the system does not display it on the map, and does not alert the driver.

Routing Preferences

Touch this list item to change the route type preferences.



0000430087

Route Style

Touch this item to change the route type preferences. The options are:

- Fast (default)
- Eco Friendly (if equipped)

- Short
- Configure Eco Profile

Configure Eco Profile can be used to configure two parameters for the Eco Friendly route:

- Roof load
- Trailer

For each parameter, the options are None, Small, Medium, and Large. Touch to scroll through the list. The default for both is None.

These preferences are used for all routes generated.

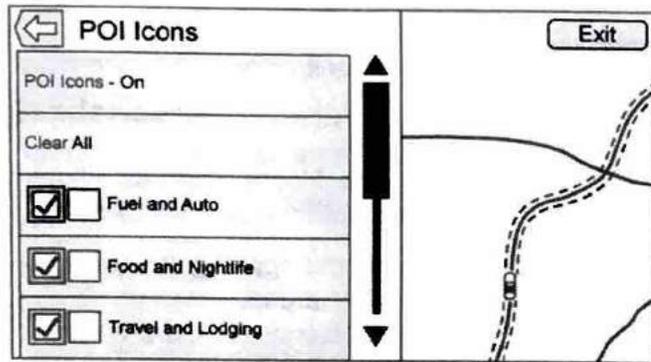
Route Segment Preferences

The other options on the Routing Preferences menu include:

- Use Toll Roads On / Off
- Use Freeways On / Off
- Use Carpool Lanes On / Off
- Avoid Slow Traffic On / Off
- Use Tunnels On / Off
- Use Time Restricted Roads On / Off

Display Places of Interest Icons

Places of Interest (POI) icons can be displayed on the map using this view.

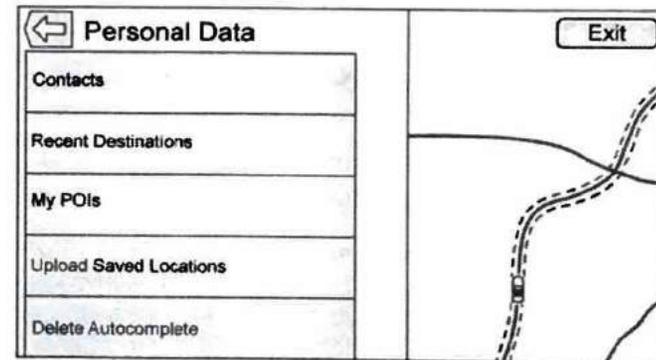


0000430089

- The POI icons can be turned On and Off. Touch the check box next to the POI icon to display the icon.
- Touch Clear All to reset the icons that are displayed on the map.
- A subcategory can be selected instead of the entire category. Touch the list item itself rather than the check box. The subcategories will display. Select any of those categories to navigate down the hierarchy.

- When a higher level category has some of its subcategories selected, the checkmark next to it is grayed out. This indicates that only some of the categories below are shown. Touch the grayed out checkmark to turn all of the icons for that category on or off.

Personal Data



0000430084

Data that the system has saved during the course of using the navigation system can be managed through:

- Contacts
- Recent Destinations
- My POIs (if equipped)
- Upload Saved Locations

Contacts

Touch Contacts to change your stored contacts. There are two options:

- Touch Delete All Entries to delete the entire list of contacts. A pop-up displays to confirm.
- Touch Edit Contacts List to display the Contacts to edit.

Recent Destinations

Touch Recent Destinations to delete recent destinations. There are two options:

- Touch Delete Individual Destinations to display a recent destinations list. Select the individual entry to delete.
- Touch Delete All Destinations to delete the entire recent destination list. A pop-up displays asking to confirm the deletion.

My POIs

Touch My POIs to display a menu of other options.

- Select Delete Individual Categories. A My POIs category list displays.
- Select the individual entry to delete.
- Touch Delete All My POIs to delete the entire list of categories. A pop-up displays asking to confirm the deletion.

Upload Saved Locations

Touch to upload any saved locations such as downloaded POIs and all entries in the vehicle address book to the USB device.

Once saved locations have been uploaded to a USB, they can be transferred to a different vehicle or restored to the current address book.

Navigation Settings in Vehicle Personalization

Touch the Settings icon on the Home Page to adjust features and preferences. For setting options, see *Settings*.

A few of the setting options change the way the navigation system displays or reacts while in use.

Voice

Voice recognition allows for hands-free operation within the navigation application. See *Voice Recognition* (page 51).

Touch the voice icon to display the Voice menu:

- Prompt Length: Touch to change the prompt length to Short or Long.
- Audio Feedback Speed: Touch to change the audio feedback speed to Slow, Medium, or Fast.

Display

Mode

Touch Mode to change the display background. This setting controls map colors.

- The Auto setting adjusts the display background automatically depending on the exterior lighting conditions.
- The Day setting brightens the map background.
- The Night setting darkens the map background.

Calibrate Touchscreen

Touch to display the infotainment display calibration screen.

Turn Display Off

Touch to turn the Display option off.

SiriusXM Travel Link Weather

If equipped, SiriusXM Travel Link Weather is available on the navigation system through a service fee subscription. Touch the Weather icon on the Home Page. The system displays a weather page with a default view of the hourly forecast. The other available views are tabs on the bottom of the display. These weather option displays are:

- Hourly: The Hourly Forecast view shows the current day's forecast split into 3-hour increments.
- 5-day: The 5-day view shows the current day's forecast as well as the next four days.
- On Route: The On Route view shows the forecasted weather for the route. This feature is only available while under route guidance.
- Location: The Location view is where the city can be selected to receive and display weather data.
- Map: The Map view shows three levels of zoom on the left side of the map. These zoom views are Near, Mid, and Far. Touch any one to change the zoom level.
- Menu

Allow approximately 15 minutes for the current weather in the area to display.

Navigation (00008RNX or 00008RNP)

Weather Screen

The weather application uses the navigation system to provide the appropriate information for the guidance route. When not under guidance, it defaults to the current location.

52°		12:48			
City, State		Updated: 07:15 AM			
Today	Tue	Wed	Thu	Fri	
55° 43° 	60° 41° 	65° 42° 	64° 40° 	61° 45° 	
Hourly	5-day	On Route	Location	Map	Menu

0000430093

The top of the page indicates the city and state / province for which weather information is currently being displayed.

To view forecast information for a different location, do one of the following:

- Pan the map to a different location.

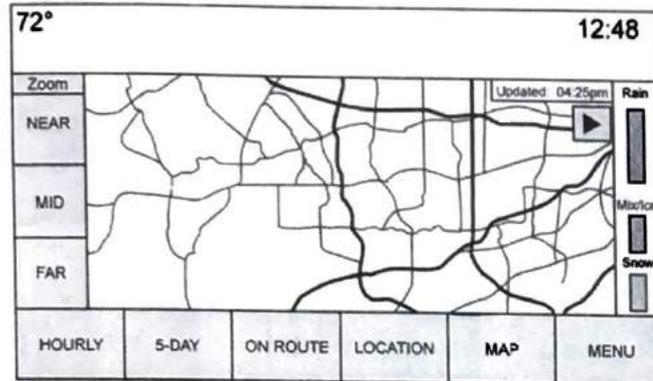
- Touch the location tab to select a recent or nearby location or to search for a location.
- When under route guidance, touch the On Route tab to view weather information for the route.

Location View

Select the Location tab to choose a location to display. This view includes the following options:

- Search: Touch Search to access the keyboard. The city or zip code can be typed in. If there is a single match, the map view returns to the last known view before clicking on the location tab. If there are multiple matches, there is a list with the possible choices. Select one to return to the last known view.
- Recent: Recent locations are a standard list. The Recent Locations are chronologically ordered.
- Nearby: Nearby locations are a standard list. The Nearby Locations are based on how many miles away.

Map View



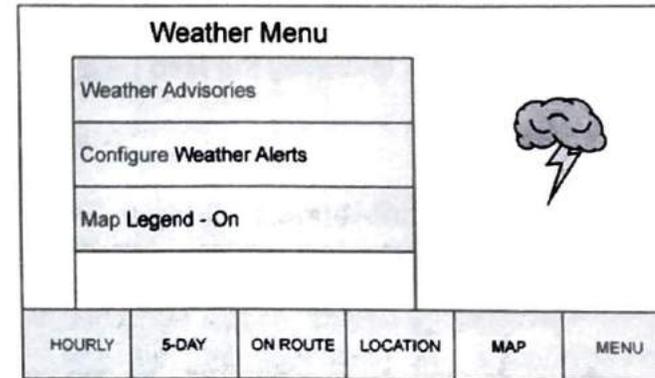
0000430082

Touch the Map tab to display a weather map for the current location.

- This view shows three levels of zoom on the left side of the map.
- Touch the play icon to start the weather map moving. The other interaction elements will fade away except for the time and a pause icon. Touch anywhere on the display to return the view to pause.
- There is a Reset option in the lower left corner of the map. Touch Reset to go back to the current vehicle position.

Weather Menu

Touch the Menu tab to display the weather menu.



0000430092

The options in this menu are:

- **Weather Advisories:** Any weather advisories that are in effect for the local area or while on route are displayed in a list. Touch on an advisory from the list to display a screen that gives additional details about the advisory and shows the advisory location on the map.

Navigation (00008RNX or 00008RNP)

- Configure Weather Alerts: Touch to access the Weather Alerts menu. Touch the Weather Alerts line item to turn the alerts On or Off. Touch to select any one of the other line items such as High Alert, Low Alert, Informational Alert to filter the selected alerts for display, while the others will be suppressed.
- Map Legend: Touch to display the Map Legend.

SiriusXM NavTraffic

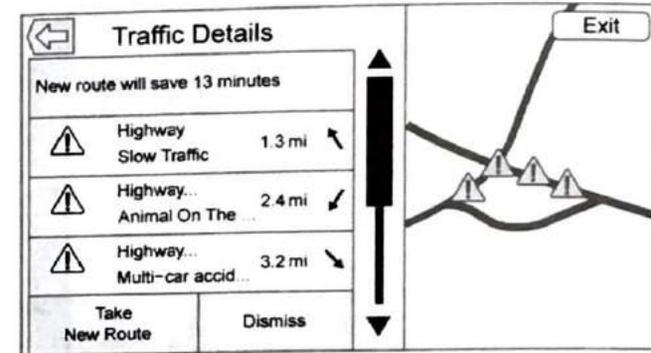
If equipped, the infotainment system may have SiriusXM NavTraffic. It is a subscription service provided through SiriusXM Satellite Radio. A service fee is required to receive the SiriusXM NavTraffic service.

Detailed traffic information is delivered to the vehicle's navigation system by the SiriusXM Radio satellites. SiriusXM NavTraffic provides continuously updated traffic information. The service may be available in more cities in the future. See www.siriusxm.com/navtraffic/marketcoverage for more details on local coverage.

To access the traffic features, touch Traffic on the Navigation Menu.

If traffic is not available because there is no valid SiriusXM subscription, a pop-up displays information on how to reactivate the subscription and SiriusXM radio ID.

Traffic Alert While Under Guidance



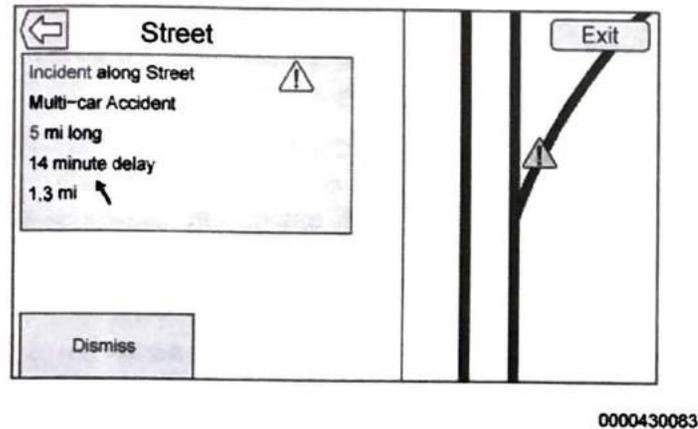
0000430090

If data is received about a traffic development on the route ahead, a search for a better route is performed. If a better route is found, information may be displayed in an alert. This alert displays the route information and how much time may be saved. If the alternative route is accepted, the current route will be altered.

If the alert is not acknowledged, the alert automatically times out and does not modify the route.

The detail view of the incident shows any data about the incident as well as how much time could be saved by avoiding it. The map view shows the incident, the original route, and the suggested route. If voice prompts are enabled, the incident information is spoken. Touch the Take New Route option to change to the new route.

Traffic Alert While Not Under Guidance



While driving and not under guidance, the system can receive data indicating an accident or slow traffic flow. The information about the incident or slow traffic is displayed as an alert when the incident is 5 km (3 mi) ahead. The incident can be viewed on the map. Touch the Dismiss option to return to the previous map.

SiriusXM Travel Link Movie Listings

A movie theater POI can be searched through a POI search or browsed through the POI category structure. When SiriusXM Travel Link Movie Listings information is available for the selected theater, this detailed information is shown in the additional details area of the display.

The details that are shown depend on the source of the information.

Details shown include:

- Movie Names
- Parental Ratings (G, PG-13, R, etc.)
- Showtimes
- Runtime

SiriusXM Travel Link Fuel Pricing

When SiriusXM Travel Link Fuel Pricing information is available for a particular fuel station, the price displays for the regular unleaded or diesel fuel, depending on the fuel type configured in the system.

This fuel station POI can either be searched for through a POI search or browsed through the POI category structure.

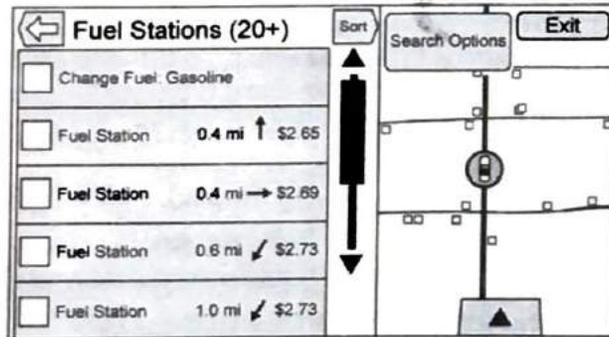
- Touch Sort to change the sort method. The default sort method is based on distance with the closest fuel stations shown at the top of the list.
- Touch Sort to cycle through the sorting options of distance, price, or name. The last viewed sorting method is displayed and is retained over ignition cycles.

If the sorting method of price has been selected, the fuel stations in the list will appear from the lowest to the highest price based on the fuel type selected. For gasoline, the price shown is for regular unleaded. When diesel is selected as the fuel type, the diesel price is shown.

Navigation Alerts

Low Fuel Alert

If the vehicle reaches a low fuel level, the system displays an alert about the low fuel condition. Touch the More Info option to view nearby gas stations, and start guidance if desired.



0000430031

If the remaining driving distance is available from the system, this is included in the alert.

0000430065

Trouble with Navigation

Global Positioning System (GPS) Issues

The position of the vehicle is determined by using satellite signals, various vehicle signals, and map data.

At times, other interference such as the satellite condition, road configuration, condition of the vehicle, and / or other circumstances can affect the navigation system's ability to determine the accurate position of the vehicle.



The GPS shows the current position of the vehicle using signals sent by GPS satellites. When the vehicle is not receiving signals from the satellites, a symbol appears on the map screen.

This system might not be available or interference can occur if any of the following are true:

- Signals are obstructed by tall buildings, trees, large trucks, or a tunnel.
- Satellites are being repaired or improved.

For more information if the GPS is not functioning properly, see *Problems with Route Guidance* (page 105) and If the System Needs Service.

Vehicle Position Issues

At times, the position of the vehicle on the map could be inaccurate due to one or more of the following reasons:

- The road system has changed.
- The vehicle is driving on slippery road surfaces such as sand, gravel, or snow.
- The vehicle is traveling on winding roads or long straight roads.
- The vehicle is approaching a tall building or a large vehicle.
- The surface streets run parallel to a freeway.
- The vehicle has been transferred by a vehicle carrier or a ferry.
- The current position calibration is set incorrectly.
- The vehicle is traveling at high speed.
- The vehicle changes directions more than once, or the vehicle is turning on a turn table in a parking lot.

- The vehicle is entering and/or exiting a parking lot, garage, or a lot with a roof.
- The GPS signal is not received.
- A roof carrier is installed on the vehicle.
- Tire chains have been installed.
- The tires are replaced or worn.
- The tire pressure for the tires is incorrect.
- This is the first navigation use after the map data is updated.
- The 12-volt battery is disconnected for several days.
- The vehicle is driving in heavy traffic where driving is at low speeds, and the vehicle is stopped and started repeatedly.

Problems with Route Guidance

Inappropriate route guidance can occur under one or more of the following conditions:

- The turn was not made on the road indicated.
- Route guidance might not be available when using automatic rerouting for the next right or left turn.
- The route might not be changed when using automatic rerouting.
- There is no route guidance when turning at an intersection.
- Plural names of places might be announced occasionally.

Navigation (00008RNX or 00008RNP)

- It could take a long time to operate automatic rerouting during high-speed driving.
- Automatic rerouting might display a route returning to the set waypoint if heading for a destination without passing through a set waypoint.
- The route prohibits the entry of a vehicle due to a regulation by time or season or any other regulation which may be given.
- Some routes might not be searched.
- The route to the destination might not be shown if there are new roads, if roads have recently changed, or if certain roads are not listed in the map data.

Missing Roads, Addresses, and Other Features

Coverage areas vary with respect to the level of map detail available for any given area. Some areas feature greater levels of detail than others. If this happens, it does not mean there is a problem with the system. As the map data is updated, more detail can become available for areas that previously had limited detail.

SECTION 9 — SETTINGS

The Settings Menu

The Settings menu allows adjustment of different vehicle and radio features. The menu may contain the following:

Time and Date

Touch  or  to increase or decrease hours, minutes, and AM or PM. Press 12Hr or 24Hr for 12 or 24 hour clock. Touch  or  to increase or decrease month, day, or year. See *Clock* in the Operation and Maintenance Manual.

Language

This will set the display language in the radio, instrument panel, and voice recognition. Press Language and select the appropriate language. Touch the Back icon on the infotainment display to go back to the previous menu.

Valet Mode

If equipped, this will lock the infotainment system and steering wheel controls. It may also limit top speed, power, and access to vehicle storage locations (if equipped).

To enable valet mode:

1. Enter a four-digit code on the keypad.
2. Touch Enter to go to the confirmation screen.

3. Re-enter the four-digit code.

Touch Lock or Unlock to lock or unlock the system. Touch the Back icon on the infotainment display to go back to the previous menu.

Radio

Touch to display the Radio menu and the following may display:

- **Manage Favorites:** Touch to highlight a favorite to edit. Touch Rename to rename the favorite or Delete to delete it. Touch and hold the station to drag it to a new location. Touch Done to go back to the previous menu.
- **Number of Favorites Shown :** Touch to set the number of favorites to display. Select Auto, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, or 60. Auto will adjust the number of favorite locations that can be seen. Touch the Back icon on the infotainment display to go back to the previous menu.
- **Auto Volume (If Equipped):** This feature adjusts the volume based on the vehicle speed. See *AM-FM Radio* (page 12).
- **Bose AudioPilot Noise Compensation Technology (If Equipped):** This feature adjusts the volume based on the noise in the vehicle and speed. See *AM-FM Radio* (page 12).

Settings

- **Maximum Startup Volume:** This feature sets the maximum startup volume. If the vehicle is started and the volume is greater than this level, the volume is adjusted to this level. To set the maximum startup volume, touch + or - to increase or decrease. Touch the Back icon on the infotainment display to go back to the previous menu.
- **Audio Cue Volume (If Equipped):** This feature adjusts the startup and shutdown sounds. To adjust the volume, touch + or - to increase or decrease. This feature can be turned on or off. Touch the Back icon on the infotainment display to go back to the previous menu.

Vehicle Settings

Vehicle Settings See *Vehicle Personalization* in the Operation and Maintenance Manual.

Bluetooth

From Bluetooth on the infotainment display, the following may appear:

- **Pair New Device:** Touch to add a new device.
- **Device Management:** Touch to connect to a different phone source, disconnect a phone, or delete a phone.
- **Ringtones:** Touch to change the ring tone for the specific phone. The phone does not need to be connected to change the ring tone.

- **Voice Mail Numbers:** This feature displays the voice mail number for all connected phones. The voice mail number may be changed by touching Edit, typing in the new number, and touching Save. Touch the Back icon on the infotainment display to go back to the previous menu.
- **Text Message Alerts:** This feature will turn text message alerts on or off. Touch Text Message Alerts and then select Off or On. Touch the Back icon on the infotainment display to go back to the previous menu. See *Text Messaging* (page 73).

Voice

From Voice on the infotainment display, the following may appear:

- **Confidence Threshold:** Select Confirm More for a system response to a command. Select Confirm Less for the system to proceed with the command without responding.
- **Prompt Length:** Select Short for brief, direct feedback or Long for more information feedback. Touch the Back icon on the infotainment display to go to the previous menu.
- **Audio Feedback Speed:** Touch Slow, Medium, or Fast for feedback speed. Touch the Back icon on the infotainment display to go back to the previous menu.

Display

From Display on the infotainment display, the following may appear:

- **Mode:** Touch Auto, Day, or Night to adjust the display. Touch the Back icon on the infotainment display to go to the previous menu.
- **Calibrate Touchscreen:** Touch to calibrate the infotainment display and follow the prompts. Touch the Back icon on the infotainment display to go back to the previous menu.
- **Turn Display Off:** Touch to turn the display off. Touch anywhere on the display area or any center stack control again to turn the display on.

Rear Camera

Touch to display the Rear Camera menu. See *Driver Assistance Systems* in the Operation and Maintenance Manual.

Return to Factory Settings

Touching Continue restores all factory settings.

Select Return to Factory Settings and the following list may display:

- **Restore Vehicle Settings:** Restores factory vehicle personalization settings. Touch Restore Vehicle Settings. Touch Cancel or Continue. If continue is touched, a confirmation pop-up will appear indicating the vehicle settings have been restored.

- **Clear All Private Data:** If available, use to erase personal private data before loaning or selling the vehicle. Touch Clear All Private Data. Touch Cancel or Continue. If Continue is touched, a confirmation pop-up will appear indicating all private data has been cleared from the system.
- **Restore Radio Settings:** Restores factory radio settings. Touch Restore Radio Settings. Touch Cancel or Continue. If Continue is touched, a confirmation pop-up will appear indicating the radio settings have been restored.

Press BACK or < BACK on the center stack or touch the Back icon on the infotainment display to go back to the main settings menu.

Over-the-Air Software Updates

If equipped, the infotainment system can download and install select software updates over a wireless connection. The system will prompt for certain updates to be downloaded and installed. There is also an option to check for updates manually.

To manually check for updates, touch Settings on the Home Page, followed by Software Information, and then System Update. Follow the on-screen prompts. The steps to check for, download and install updates may vary by vehicle.

Downloading Over-the-Air vehicle software updates requires Internet connectivity, which can be accessed through the vehicle's built-in 4G LTE connection, if equipped and active. If required, data plans are provided by a third party. Optionally, a secure Wi-Fi hotspot such as a compatible mobile device

hotspot, home hotspot or public hotspot can be used. Applicable data rates may apply.

To connect the infotainment system to a secured mobile device hotspot, home hotspot, or a public hotspot, touch Settings on the Home Page, followed by Wi-Fi, and then Manage Wi-Fi Networks. Select the appropriate Wi-Fi network, and follow the on-screen prompts. Download speeds may vary.

On most compatible mobile devices, activation of the Wi-Fi hotspot is in the Settings menu under Mobile Network Sharing, Personal Hotspot, Mobile Hotspot or similar.

Availability of Over-the-Air software updates varies by vehicle and country.

English and Metric Unit Conversion

To change the display units between English and metric units, see *Instrument Cluster* in the Operation and Maintenance Manual.

Teen Driver

If equipped, this allows multiple keys to be registered for beginner drivers to encourage safe driving habits. When the vehicle is started with a Teen Driver key, it will automatically activate certain safety systems, allow setting of some features, and limit the use of others. The Report Card will record vehicle data about driving behavior that can be viewed later. When the vehicle is started with a registered key, the Driver Information Center (DIC) displays a message that Teen Driver is active.

Accessing

1. Touch Settings on the Home Page, then touch Teen Driver.
2. Create a Personal Identification Number (PIN) by choosing a four-digit PIN. Re-enter the PIN to confirm. To change the PIN, touch Change PIN.

The PIN is required to:

- Register or unregister keys.
- Change Teen Driver settings.
- Change or clear the Teen Driver PIN.
- Access or delete Report Card data.

Register keys to activate (Pushbutton Start System)

Any vehicle key can be registered, up to a maximum of eight keys. Label the key to tell it apart from the other keys.

1. Start the engine.

2. For automatic transmissions, the vehicle must be in P (Park). For manual transmissions, the vehicle must be stopped with the parking brake set.
3. From the Settings menu, touch Teen Driver.
4. Enter the PIN.
5. Place the Remote Keyless Entry (RKE) transmitter key in the transmitter pocket. See *Remote Keyless Entry (RKE) System Operation* in the Operation and Maintenance Manual for transmitter pocket location.
6. From the Teen Driver Menu, touch Key Registration.
 - If the transmitter key is in the transmitter pocket, it will identify whether the transmitter key is registered or unregistered.
 - If the transmitter key is not registered, the option to register displays. Touch Register and a confirmation message displays.
 - If the transmitter key is already registered, the option to unregister displays. If Unregister is touched, the transmitter key is no longer registered and a confirmation message displays.

In vehicles with a pushbutton start system, if a Teen Driver transmitter key and a non-Teen Driver transmitter key are both present at start up, the vehicle will recognize the non-Teen Driver transmitter key to start the vehicle. The Teen Driver settings will not be active.

Keyed Ignition System

For a keyed ignition system:

1. Start the engine.
2. For automatic transmissions, the vehicle must be in Park (P).
3. From the Settings menu, touch Teen Driver.
4. Enter the PIN.
5. Touch Key Registration. The system displays instructions for registering or unregistering a key. A confirmation message displays.

Manage Settings

Use the PIN to change the following settings:

- **Audio Volume Limit:** Allows a maximum radio volume to be set. Turn the audio volume limit On or Off, and if equipped, choose the maximum level for the audio volume.
- **Teen Driver Speed Warning:** Allows for setting a visual and audible warning when a certain speed is exceeded. The speed warning is selectable from 40 mph (64 km/h) to 75 mph (121 km/h). The speed warning does not limit the speed of the vehicle.
- **Teen Driver Speed Limiter (If Equipped) :** Allows the maximum speed of the vehicle to be limited to 85 mph (137 km/h). When the speed limiter is turned On and the vehicle is started with a Teen Driver key, the DIC displays a message that the top speed is limited to 85 mph (137 km/h).

Settings

When Teen Driver is Active:

- The radio will mute when the driver seat belt is not fastened, and in some vehicles, when the right front passenger seat belt is not fastened. The audio from any device paired to the vehicle will also be muted.
- Certain electronic devices placed on the front passenger seat could cause the passenger sensing system to falsely sense an unbuckled front passenger and mute the radio. See *Passenger Sensing System* in the Operation and Maintenance Manual.
- Some safety systems, such as Forward Automatic Braking, if equipped and supported, cannot be turned off.
- The gap setting for the Forward Collision Alert and Adaptive Cruise Control, if equipped, cannot be changed.
- Super Cruise, if equipped, is not available.
- Enhanced Low Fuel Warning (If Equipped) – When the vehicle is low on fuel, the low fuel light on the instrument cluster flashes and the DIC low fuel warning cannot be dismissed.

Report Card

The vehicle owner must secure the driver's consent to record certain vehicle data when the vehicle is driven with a registered Teen Driver key. There is one Report Card per vehicle. Data is not recorded when Teen Driver is not active.

The Report Card data is collected from the time Teen Driver is activated or the last time the Report Card was reset. The following items may be recorded:

- Distance Driven – the total distance driven.
- Maximum Speed – the maximum vehicle speed recorded.
- Overspeed Warnings – the number of times the speed warning setting was exceeded.
- Forward Collision Alerts – the number of times the driver was notified when approaching a vehicle ahead too quickly and at potential risk for a crash.
- Forward Collision Avoidance Braking (If Equipped) – Also referred to as Forward Automatic Braking, this is the number of times the vehicle detected that a forward collision was imminent and applied the brakes.
- Stability Control – the number of events which required the use of electronic stability control.
- ABS Active – Also referred to as Antilock Brake System Active, the number of Antilock Brake System activations.
- Tailgating Alerts – the number of times the driver was alerted for following the vehicle ahead too closely.
- Traction Control – the number of times the traction control system activated to reduce wheel spin or loss of traction.
- Wide Open Throttle – the number of times the accelerator pedal is pressed nearly all the way down.

Delete Report Card Data

Data is saved for all trips until the data is deleted using the PIN or until the maximum count is exceeded. Each item will report a maximum of 1,000 counts. The distance driven will report a maximum of 40,000 mi (64,374 km).

To delete Report Card data, do one of the following:

- From the Report Card display, touch Reset.

- Touch Clear All Teen Keys / PIN from the Teen Driver menu. This will also unregister any Teen Driver keys and delete the PIN.

Forgotten PIN

See your dealer to reset the PIN.

SECTION 10 — TRADEMARKS AND LICENSE AGREEMENTS

FCC Information

See *Radio Frequency Statement* in the vehicle Operation and Maintenance Manual.

iPod and iPhone



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Schedule I: Gracenote EULA



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SECTION 11 — INDEX

Numerics/Symbols		A (CONT.)
3D View.....	92	<i>AM-FM Radio (Base Radio with Touchscreen) (cont.)</i>
A		Storing a Station as a Favorite.....
Accepting a Call.....	70	System Settings.....
Accepting or Declining a Call.....	70	Auto Volume.....
Accepting a Call.....	70	Tone Settings.....
Declining a Call.....	70	<i>AM-FM Radio (Base Radio)</i>
Accessing.....	110	Finding a Station.....
Active Noise Cancellation (ANC).....	2	Mixed-Audio Favorites.....
Additional Information.....	65, 74	Playing The Radio.....
Albums.....	47	Radio Settings.....
Alpha-Numeric Keyboard.....	87	Auto Volume.....
Character Handwriting Recognition.....	88	Channel List (Sirius XM only, if equipped).....
Option Settings.....	89	Station List.....
One-Shot Search.....	88	SXM View (Sirius XM only, if equipped).....
Special Characters.....	87	Tone Settings.....
AM.....	5	Storing Radio Station Presets.....
AM-FM Categories.....	40	<i>AM-FM Radio (Uplevel Radio)</i>
AM-FM Radio (Base Radio with Touchscreen).....	21	AM-FM Categories.....
Playing the Radio.....	21	Finding a Station.....
Selecting a Band.....	21	Direct Tune.....
Selecting a Station.....	22	Seeking a Station.....
Direct Tune.....	22	Infotainment System Settings.....
Favorite.....	22	Auto Volume (If Equipped).....
Manual Tuning.....	22	Categories.....
Seek Tuning.....	22	EQ.....
Station List.....	22	HD Radio (If Equipped).....
Update Station List.....	22	Tone Settings.....
Selecting an Auxiliary Device.....	21	Mixed-Audio Favorites.....
		Playing the Radio.....

Index

A (CONT.)

<i>AM-FM Radio (Uplevel Radio) (cont.)</i>	
Storing Presets.....	40
Apple CarPlay and Android Auto.....	65, 74
Additional Information.....	65, 74
Using Android Auto and/or Apple CarPlay.....	74
Using Android Auto or Apple CarPlay.....	65
Applications Tray.....	35
Apps.....	33
Artists.....	47
Assistance Guide.....	1
Audible Touch Feedback (If Equipped).....	10
Audio.....	9, 20, 33
Audio Controls.....	7
Audio Information.....	92
Audio System.....	60, 67
Audio System Information.....	23
Using MP3 / WMA / OGG / WAV Files.....	23
Using USB Storage Devices and an iPod / iPhone.....	24
Audiobooks.....	48
Auto Volume.....	13, 15, 21, 27–28
Auto Volume (If Equipped).....	10, 38
Aux Menu.....	49
AUX Menu.....	17
Auxiliary Jack.....	17, 29, 49
Aux Menu.....	49
AUX Menu.....	17
Bluetooth Audio.....	50
Bluetooth Audio Menu.....	50
Playing Music via Bluetooth.....	50
Connecting the Device and Playing Music.....	29
Playing from the AUX Jack.....	17
Playing from the AUX Port.....	49

A (CONT.)

<i>Auxiliary Jack (cont.)</i>	
Playing Music From a Device That is Already Connected.....	29
AVCHD.....	117
AVCREC.....	117
Avoid Areas.....	83
Avoiding Distractions.....	2
Active Noise Cancellation (ANC).....	2
Avoiding Untrusted Media Devices.....	3
B	
BDA.....	117
Bluetooth.....	108, 118
Bluetooth (Infotainment Controls).....	60
Bluetooth Music.....	63
Pause.....	64
Playing Bluetooth Music.....	64
Playing Music Randomly.....	64
Playing the Next Song.....	64
Playing the Previous Song.....	64
Returning to the Beginning of the Current Song.....	64
Search.....	64
Checking the Bluetooth Connection.....	63
Connecting a Paired Bluetooth Device.....	63
Deleting a Bluetooth Device.....	63
Disconnecting a Bluetooth Device.....	63
Pairing.....	60
Pairing a Phone - No SSP and No Paired Device.....	62
Pairing a Phone - No SSP and Paired Device.....	62
Pairing a Phone - SSP and No Paired Device.....	61
Pairing a Phone - SSP and Paired Device.....	61
Pairing Information.....	60
Bluetooth (Overview).....	59, 67

B (CONT.)

<i>Bluetooth (Overview) (cont.)</i>	
Audio System.....	60, 67
Bluetooth Audio Quality.....	60
Infotainment System Controls.....	59, 67
Steering Wheel Controls.....	59, 67
Voice Recognition.....	60
Bluetooth (Voice Recognition).....	72
Calling a Contact in Your Phone Book.....	72
Calling a Specific Phone Number.....	72
Calling Local Emergency Numbers.....	72
Using the "Switch Phone" Command.....	72
Using the "Voice Keypad" Command.....	72
Using the "Voice Mail" Command.....	72
Bluetooth Audio.....	18, 30, 50
Bluetooth Audio Menu.....	18, 30, 50
Manage Bluetooth Devices.....	18, 30
Tone.....	18, 30
Playing Music.....	18, 30
Playing Music via Bluetooth.....	50
Bluetooth Audio Menu.....	18, 30, 50
Manage Bluetooth Devices.....	18, 30
Tone.....	18, 30
Bluetooth Audio Quality.....	60
Bluetooth Music.....	63
Pause.....	64
Playing Bluetooth Music.....	64
Playing Music Randomly.....	64
Playing the Next Song.....	64
Playing the Previous Song.....	64
Returning to the Beginning of the Current Song.....	64
Search.....	64

B (CONT.)

Bluetooth Streaming Audio and Voice Recognition.....	49
Bose.....	116
Browse.....	15
Browse Music.....	26, 28
Browsing Downloaded POIs.....	86

C

Calibrate Touchscreen.....	99
Call Waiting.....	70
Accepting a Call.....	70
Declining a Call.....	70
Switching Between Calls (Call Waiting Calls Only).....	70
Calling a Contact in Your Phone Book.....	72
Calling a Specific Phone Number.....	72
Calling Local Emergency Numbers.....	72
Cancel Route / Resume To.....	90
Canceling Voice Recognition.....	52
Categories.....	38
Cautions and Warnings.....	1
CD Menu.....	15
Auto Volume.....	15
Browse.....	15
DSP.....	15
EQ (Equalizer).....	15
Tone Settings.....	15
CD Player.....	14, 43
CD Menu.....	15
Auto Volume.....	15
Browse.....	15
DSP.....	15
EQ (Equalizer).....	15

Index

C (CONT.)

<i>CD Player (cont.)</i>	
Tone Settings.....	15
Error Messages.....	16, 44
Loading and Ejecting Discs.....	14, 43
Playing an Audio CD.....	14, 43
Playing an MP3 CD.....	16, 45
Empty Folders.....	16
MP3 Folder Information.....	45
MP3 Music Menu.....	45
No Folder.....	16
Root Directory.....	16
Storing Media Favorites.....	44
Cell Phone Usage.....	5
Changing POI Categories.....	86
Changing to Next / Previous File.....	26–27
Channel List (Sirius XM only, if equipped).....	13
Character Handwriting Recognition.....	88
Option Settings.....	89
Checking the Bluetooth Connection.....	63
Cinavia.....	117
City Lane Guidance.....	81
Cleaning Vehicle Information and Radio Displays.....	6
Clear All Private Data (If Equipped).....	11
Clearing the System.....	71
Climate.....	20
Component Code Numbers.....	3
Infotainment System Feature Codes.....	3
Line Set Ticket.....	3
Composers.....	48
Connecting a Paired Bluetooth Device.....	63
Connecting a USB Storage Device or iPod / iPhone.....	23

C (CONT.)

Connecting the Device and Playing Music.....	29
Contacts.....	98
Copying the POIs to a USB Device.....	85
Creating a Text File with POI Information.....	85
Creating and Downloading Predefined POIs (My POIs).....	85
Browsing Downloaded POIs.....	86
Changing POI Categories.....	86
Copying the POIs to a USB Device.....	85
Creating a Text File with POI Information.....	85
Deleting POI Categories.....	86
Downloading the POIs to the Infotainment System.....	86
Editing My POIs.....	86
Current Location.....	91
Current Street Name.....	79

D

Day / Night Mode.....	93
Declining a Call.....	70
Delete Report Card Data.....	113
Deleting a Bluetooth Device.....	63
Deleting a Paired Phone.....	69
Deleting POI Categories.....	86
Destination.....	82
Destination Symbol.....	82
Dialing a Voice Mail Number.....	71
Direct Tune.....	22, 39
Disclaimer of Liability.....	122
Disclaimer of Warranty.....	122
Disconnecting a Bluetooth Device.....	63
Disconnecting a Connected Phone.....	69
Display.....	10, 99, 109

D (CONT.)

Display (cont.)
 Calibrate Touchscreen.....99
 Mode.....99
 Turn Display Off.....99
 Display Places of Interest Icons.....97
 Dolby.....117
 Downloading the POIs to the Infotainment System.....86
 DSP.....15
 DTS.....117
 Dual Tone Multi-Frequency (DTMF) Tones.....71

E

Edit Route.....84
 Editing My POIs.....86
 Empty Folders.....16
 End Guidance.....83
 END USER NOTICE.....125
 END USER TERMS.....121
 Ending a Call.....71
 English and Metric Unit Conversion.....11, 110
 Enlarging a Picture.....29
 Entering an Address.....77
 EQ.....38
 EQ (Equalizer).....15
 Error Messages.....16, 44
 Export Control.....122

F

Favorite.....22
 FCC Information.....115
 File System and Naming.....49

F (CONT.)

Finding a Station.....13, 38
 Direct Tune.....39
 Seeking a Station.....38
 Fixed Mast Antenna.....6
 Fling or Swipe.....37
 FM.....5
 Folder View (If Equipped).....48
 Forgotten PIN.....113
 Free Type Project.....123

G

Gallery.....20
 Genres.....47
 Global Positioning System (GPS) Issues.....104
 Governing Law.....122
 Government End Users.....123
 Gracenote.....46
 Gracenote Terms of Use.....119

H

Handling Large Amounts of Media Content.....55
 HD Radio (If Equipped).....38
 HD Radio Technology.....116
 HD Radio Technology (Uplevel Radio).....41
 HD Radio Troubleshooting.....41
 Station Access.....41
 HD Radio Troubleshooting.....41
 Heading Up View.....92
 Help.....54
 Helpful Hints for Speaking Commands.....52
 Highway Lane Guidance.....81

Index

<i>H (CONT.)</i>	
Home Page (Base Radio with Touchscreen)	20
Home Page Features	20
Audio	20
Climate	20
Gallery	20
Phone	20
Projection	20
Settings	20
Touchscreen Buttons	20
Home Page (Base Radio)	9
English and Metric Unit Conversion	11
Home Page Features	9
Audio	9
Phone	9
Settings	9
Radio Setup	10
Audible Touch Feedback (If Equipped)	10
Auto Volume (If Equipped)	10
Manage Favorites	10
Maximum Startup Volume	11
Number of Favorites Shown	10
Return to Factory Settings	11
Clear All Private Data (If Equipped)	11
Restore Radio Settings	11
Restore Vehicle Settings	11
Setting Radio Preferences	9
Display	10
Language (Current Language)	9
Radio	10
Return to Factory Settings	10
Software Information (If Equipped)	10

<i>H (CONT.)</i>	
<i>Home Page (Base Radio) (cont.)</i>	
Time and Date	9
Valet Mode	9
Vehicle	10
Home Page (Uplevel Radio)	32
Infotainment Gestures	35
Fling or Swipe	37
Nudge	36
Touch / Tap	35
Touch and Hold	36
Managing Home Page Icons	33
Using The System	33
Applications Tray	35
Apps	33
Audio	33
Home Page Features	33
Infotainment Display Features	33
Lighting	34
NAV	34
Phone	33
Projection	33
Settings	34
Video	34
Weather	34
Home Page Features	9, 20, 33
Audio	9, 20
Climate	20
Gallery	20
Phone	9, 20
Projection	20
Settings	9, 20

I		J	
Infotainment Display Features.....	33	Java.....	117
Infotainment Gestures.....	35		
Fling or Swipe.....	37	K	
Nudge.....	36	Keyed Ignition System.....	111
Touch / Tap.....	35		
Touch and Hold.....	36	L	
Infotainment System Care.....	6	Language.....	107
Cleaning Vehicle Information and Radio Displays.....	6	Language (Current Language).....	9
Fixed Mast Antenna.....	6	Lighting.....	34
Multi-Band Antenna.....	6	Line Set Ticket.....	3
Infotainment System Controls.....	59, 67	Linking to a Different Phone.....	69
Infotainment System Feature Codes.....	3	Listing All Paired and Connected Phones.....	68
Infotainment System Settings.....	37	Loading and Ejecting Discs.....	14, 43
Auto Volume (If Equipped).....	38	Location View.....	100
Categories.....	38	Loss of Audio.....	49
EQ.....	38	Low Fuel Alert.....	104
HD Radio (If Equipped).....	38		
Tone Settings.....	37	M	
iPod / iPhone Player.....	27	Making a Call Using Contacts and Recent Calls.....	69
Auto Volume.....	28	Making a Call Using the Contacts Menu.....	70
Browse Music.....	28	Making a Call Using the Recent Calls Menu.....	70
Changing to Next / Previous File.....	27	Making a Call Using the Contacts Menu.....	70
Pause.....	27	Making a Call Using the Keypad.....	69
Playing a File Randomly.....	28	Making a Call Using the Recent Calls Menu.....	70
Playing Music Files.....	27	Manage Bluetooth Devices.....	18, 30
Returning to the Beginning of the Current File.....	27	Manage Favorites.....	10
Scanning Forward or Backward.....	28	Manage Settings.....	111
Tone Settings.....	28	Managing Home Page Icons.....	33
Using the iPod Menu.....	28	Manual Tuning.....	22
iPod and iPhone.....	115	Map End User License Agreement.....	121
iType.....	123	Disclaimer of Liability.....	122

M (CONT.)

Map End User License Agreement (cont.)

- Disclaimer of Warranty.....122
- END USER TERMS.....121
- Export Control.....122
- Governing Law.....122
- Government End Users.....123
- No Warranty.....121
- Restrictions.....121
- TERMS AND CONDITIONS.....121
- Warning.....121
- Map Symbols.....82
 - Destination Symbol.....82
 - Waypoint Symbols.....82
- Map View.....92, 101
 - 3D View.....92
 - Audio Information.....92
 - Day / Night Mode.....93
 - Heading Up View.....92
 - North Up View.....92
- Maximum Startup Volume.....11
- Memory Full.....73
- Missing Roads, Addresses, and Other Features.....106
- Mixed-Audio Favorites.....13, 40
- Mode.....99
- MP3.....120
- MP3 Folder Information.....45
- MP3 Music Menu.....45
- MPEG4-AVC (H.264).....120
- MPEG4-Visual.....120
- MTP (Media Transfer Protocol).....27
- Multi-Band Antenna.....6

M (CONT.)

- My Media Library.....46
 - USB MP3 Player and USB Drives.....46
- My POIs.....98

N

- NAV.....34
- Navigation Alerts.....104
 - Low Fuel Alert.....104
- Navigation Settings in Vehicle Personalization.....98
 - Display.....99
 - Calibrate Touchscreen.....99
 - Mode.....99
 - Turn Display Off.....99
 - Voice.....98
- Navigation Voice Preferences.....90
 - Prompts During Phone Calls.....91
 - Voice Prompts.....90
 - Voice Volume.....90
- No Folder.....16
- No Warranty.....121
- North Up View.....92
- Nudge.....36
- Number of Favorites Shown.....10

O

- One-Shot Search.....88
- Open Source SW.....124
- Optimized Route.....84
- Option Settings.....89
- Over-the-Air Software Updates.....109
- Overview.....7, 19, 31, 51

O (CONT.)

Overview (cont.)
 Audio Controls.....7
 Screen and Favorite Buttons.....7

P

Pairing.....60, 68
 Deleting a Paired Phone.....69
 Disconnecting a Connected Phone.....69
 Listing All Paired and Connected Phones.....68
 Pairing a Phone.....68
 Pairing a Phone - No SSP and No Paired Device.....62
 Pairing a Phone - No SSP and Paired Device.....62
 Pairing a Phone - SSP and No Paired Device.....61
 Pairing a Phone - SSP and Paired Device.....61
 Pairing Information.....60, 68
 Pairing a Phone.....68
 Pairing a Phone - No SSP and No Paired Device.....62
 Pairing a Phone - No SSP and Paired Device.....62
 Pairing a Phone - SSP and No Paired Device.....61
 Pairing a Phone - SSP and Paired Device.....61
 Pairing Information.....60, 68
 Part C – EULA.....124
 Pause.....26–27, 64
 Personal Data.....97
 Contacts.....98
 My POIs.....98
 Recent Destinations.....98
 Upload Saved Locations.....98
 Phone.....9, 20, 33
 Picture System Information.....28
 Enlarging a Picture.....29

P (CONT.)

Picture System Information (cont.)
 Rotating a Picture.....29
 Using the USB Picture Menu.....29
 Viewing a Previous or Next Picture.....29
 Viewing a Slide Show.....29
 Viewing Pictures.....28
 Playing a File Randomly.....26, 28
 Playing an Audio CD.....14, 43
 Playing an MP3 CD.....16, 45
 Empty Folders.....16
 MP3 Folder Information.....45
 MP3 Music Menu.....45
 No Folder.....16
 Root Directory.....16
 Playing Bluetooth Music.....64
 Playing from the AUX Jack.....17
 Playing from the AUX Port.....49
 Playing Media From a USB Device.....46
 Bluetooth Streaming Audio and Voice Recognition.....49
 File System and Naming.....49
 Gracenote.....46
 Loss of Audio.....49
 My Media Library.....46
 USB MP3 Player and USB Drives.....46
 USB Browse Menu.....47
 Albums.....47
 Artists.....47
 Audiobooks.....48
 Composers.....48
 Folder View (If Equipped).....48
 Genres.....47

Index

P (CONT.)

<i>Playing Media From a USB Device (cont.)</i>	
Playlists.....	47
Podcasts.....	48
Songs.....	47
USB Menu.....	47
Playing Music.....	18, 30
Playing Music Files.....	27
Playing Music From a Device That is Already Connected.....	29
Playing Music from a USB Device.....	25
Playing Music Randomly.....	64
Playing Music via Bluetooth.....	50
Playing the Next Song.....	64
Playing the Previous Song.....	64
Playing the Radio.....	21, 37
Playing The Radio.....	12
Playlists.....	47
Podcasts.....	48
Predefined Messages.....	73
Preface.....	1
Problems with Route Guidance.....	105
Procedure.....	51
Projection.....	20, 33
Prompts and Screen Displays.....	52
Prompts During Phone Calls.....	91

Q

QNX.....	124
----------	-----

R

Radio.....	10, 107
Radio Reception.....	5
AM.....	5

R (CONT.)

<i>Radio Reception (cont.)</i>	
Cell Phone Usage.....	5
FM.....	5
SiriusXM Satellite Radio Service.....	5
Radio Settings.....	12
Auto Volume.....	13
Channel List (Sirius XM only, if equipped).....	13
Station List.....	12
SXM View (Sirius XM only, if equipped).....	13
Tone Settings.....	12
Radio Setup.....	10
Audible Touch Feedback (If Equipped).....	10
Auto Volume (If Equipped).....	10
Manage Favorites.....	10
Maximum Startup Volume.....	11
Number of Favorites Shown.....	10
Rear Camera.....	109
Recent Destinations.....	98
Recommended Maneuver.....	80
Register keys to activate (Pushbutton Start System).....	110
Report Card.....	112
Restore Radio Settings.....	11
Restore Vehicle Settings.....	11
Restrictions.....	121
Return to Factory Settings.....	10–11, 109
Clear All Private Data (If Equipped).....	11
Restore Radio Settings.....	11
Restore Vehicle Settings.....	11
Returning to the Beginning of the Current File.....	26–27
Returning to the Beginning of the Current Song.....	64
RMVB.....	118
Root Directory.....	16

R (CONT.)	
Rotating a Picture.....	29
Route Guidance.....	79
City Lane Guidance.....	81
Current Street Name.....	79
Highway Lane Guidance.....	81
Map Symbols.....	82
Destination Symbol.....	82
Waypoint Symbols.....	82
Recommended Maneuver.....	80
Time To Destination.....	80
Turn List and Waypoint List.....	82
Avoid Areas.....	83
Destination.....	82
Edit Route.....	84
End Guidance.....	83
Optimized Route.....	84
Turn List.....	83
Waypoint List.....	84
Route Segment Preferences.....	96
Route Style.....	96
Routing Preferences.....	96
Route Segment Preferences.....	96
Route Style.....	96

S

Satellite Radio (0000RNR or 00008RNP).....	42
SiriusXM Menu.....	42
Scanning Forward or Backward.....	26, 28
Schedule I: Gracenote EULA.....	118
Gracenote Terms of Use.....	119
Screen and Favorite Buttons.....	7
Scrolling and the Map Display.....	76

S (CONT.)

Search.....	64
Searching for a Place of Interest (POI).....	78
Seek Tuning.....	22
Seeking a Station.....	38
Selecting a Band.....	21
Selecting a Station.....	22
Direct Tune.....	22
Favorite.....	22
Manual Tuning.....	22
Seek Tuning.....	22
Station List.....	22
Update Station List.....	22
Selecting an Address from a Contacts List.....	79
Selecting an Auxiliary Device.....	21
Setting a Destination.....	76
Entering an Address.....	77
Searching for a Place of Interest (POI).....	78
Selecting an Address from a Contacts List.....	79
Setting Radio Preferences.....	9
Display.....	10
Language (Current Language).....	9
Radio.....	10
Return to Factory Settings.....	10
Software Information (If Equipped).....	10
Time and Date.....	9
Valet Mode.....	9
Vehicle.....	10
Settings.....	9, 20, 34
Show Nearby Traffic Incidents.....	94
SiriusXM Menu.....	42
SiriusXM NavTraffic.....	102
Traffic Alert While Not Under Guidance.....	103

S (CONT.)

SiriusXM NavTraffic (cont.)
 Traffic Alert While Under Guidance.....102
 SiriusXM Satellite Radio.....115
 SiriusXM Satellite Radio Service.....5
 SiriusXM Travel Link Fuel Pricing.....103
 SiriusXM Travel Link Movie Listings.....103
 SiriusXM Travel Link Weather.....99
 Location View.....100
 Map View.....101
 Weather Menu.....101
 Weather Screen.....100
 Software Information (If Equipped).....10
 Songs.....47
 Special Characters.....87
 Starting a Three-way Call While in a Call.....71
 Station Access.....41
 Station List.....12, 22
 Steering Wheel Audio Controls.....4
 Steering Wheel Controls.....59, 67
 Storing a Station as a Favorite.....22
 Storing Media Favorites.....44
 Storing Presets.....40
 Storing Radio Station Presets.....13
 Switching Between Calls (Call Waiting Calls Only).....70
 Switching to Handset or Handsfree Mode.....69
 SXM View (Sirius XM only, if equipped).....13
 System Settings.....21
 Auto Volume.....21
 Tone Settings.....21

T

Teen Driver.....110
 Accessing.....110
 Delete Report Card Data.....113
 Forgotten PIN.....113
 Keyed Ignition System.....111
 Manage Settings.....111
 Register keys to activate (Pushbutton Start System).....110
 Report Card.....112
 TERMS AND CONDITIONS.....121
 Text Menu.....73
 Text Messaging.....73
 Memory Full.....73
 Predefined Messages.....73
 Text Menu.....73
 Text Settings.....74
 Viewing a Text Message.....73
 Viewing Sender Information.....73
 Text Settings.....74
 The Back Command.....54
 The Navigation Menu.....89
 Cancel Route / Resume To.....90
 Current Location.....91
 Display Places of Interest Icons.....97
 Map View.....92
 3D View.....92
 Audio Information.....92
 Day / Night Mode.....93
 Heading Up View.....92
 North Up View.....92
 Navigation Voice Preferences.....90
 Prompts During Phone Calls.....91

T (CONT.)

<i>The Navigation Menu (cont.)</i>	
Voice Prompts.....	90
Voice Volume.....	90
Personal Data.....	97
Contacts.....	98
My POIs.....	98
Recent Destinations.....	98
Upload Saved Locations.....	98
Routing Preferences.....	96
Route Segment Preferences.....	96
Route Style.....	96
Traffic (If Equipped).....	93
Show Nearby Traffic Incidents.....	94
Traffic Routing Preferences.....	94
Traffic Types.....	95
<i>The Settings Menu</i>	107
Bluetooth.....	108
Display.....	109
English and Metric Unit Conversion.....	110
Language.....	107
Over-the-Air Software Updates.....	109
Radio.....	107
Rear Camera.....	109
Return to Factory Settings.....	109
Teen Driver.....	110
Accessing.....	110
Delete Report Card Data.....	113
Forgotten PIN.....	113
Keyed Ignition System.....	111
Manage Settings.....	111
Register keys to activate (Pushbutton Start System).....	110
Report Card.....	112

T (CONT.)

<i>The Settings Menu (cont.)</i>	
Time and Date.....	107
Valet Mode.....	107
Vehicle Settings.....	108
Voice.....	108
The Vehicle Icon.....	75
Theft Deterrent Feature.....	3
Three-Way Calling.....	71
Starting a Three-way Call While in a Call.....	71
Time and Date.....	9, 107
Time To Destination.....	80
Tone.....	18, 30
Tone Settings.....	12, 15, 21, 26, 28, 37
Touch / Tap.....	35
Touch and Hold.....	36
Touchscreen Buttons.....	20
Traffic (If Equipped).....	93
Show Nearby Traffic Incidents.....	94
Traffic Routing Preferences.....	94
Traffic Types.....	95
Traffic Alert While Not Under Guidance.....	103
Traffic Alert While Under Guidance.....	102
Traffic Program (If Equipped).....	27
Traffic Routing Preferences.....	94
Traffic Types.....	95
Trouble with Navigation.....	104
Global Positioning System (GPS) Issues.....	104
Missing Roads, Addresses, and Other Features.....	106
Problems with Route Guidance.....	105
Vehicle Position Issues.....	105
Turn Display Off.....	99
Turn List.....	83

T (CONT.)

Turn List and Waypoint List.....	82
Avoid Areas.....	83
Destination.....	82
Edit Route.....	84
End Guidance.....	83
Optimized Route.....	84
Turn List.....	83
Waypoint List.....	84

U

Unicode.....	123
Update Station List.....	22
Upload Saved Locations.....	98
USB Browse Menu.....	47
Albums.....	47
Artists.....	47
Audiobooks.....	48
Composers.....	48
Folder View (If Equipped).....	48
Genres.....	47
Playlists.....	47
Podcasts.....	48
Songs.....	47
USB Menu.....	47
USB MP3 Player and USB Drives.....	46
USB Player.....	25
Auto Volume.....	27
Browse Music.....	26
Changing to Next / Previous File.....	26
MTP (Media Transfer Protocol).....	27
Pause.....	26

U (CONT.)

<i>USB Player (cont.)</i>	26
Playing a File Randomly.....	26
Playing Music from a USB Device.....	25
Returning to the Beginning of the Current File.....	26
Scanning Forward or Backward.....	26
Tone Settings.....	26
Traffic Program (If Equipped).....	27
Using the USB Music Menu.....	26
USB Port.....	23
Audio System Information.....	23
Using MP3 / WMA / OGG / WAV Files.....	23
Using USB Storage Devices and an iPod / iPhone.....	24
Connecting a USB Storage Device or iPod / iPhone.....	23
iPod / iPhone Player.....	27
Auto Volume.....	28
Browse Music.....	28
Changing to Next / Previous File.....	27
Pause.....	27
Playing a File Randomly.....	28
Playing Music Files.....	27
Returning to the Beginning of the Current File.....	27
Scanning Forward or Backward.....	28
Tone Settings.....	28
Using the iPod Menu.....	28
Picture System Information.....	28
Enlarging a Picture.....	29
Rotating a Picture.....	29
Using the USB Picture Menu.....	29
Viewing a Previous or Next Picture.....	29
Viewing a Slide Show.....	29
Viewing Pictures.....	28

U (CONT.)

USB Port (cont.)

- USB Player.....25
 - Auto Volume.....27
 - Browse Music.....26
 - Changing to Next / Previous File.....26
 - MTP (Media Transfer Protocol).....27
 - Pause.....26
 - Playing a File Randomly.....26
 - Playing Music from a USB Device.....25
 - Returning to the Beginning of the Current File.....26
 - Scanning Forward or Backward.....26
 - Tone Settings.....26
 - Traffic Program (If Equipped).....27
 - Using the USB Music Menu.....26
- Using the USB Port.....23
 - USB Support.....23
 - USB Supported Devices.....23
 - USB Supported File and Folder Structure.....23
- USB Support.....23
- USB Supported Devices.....23
- USB Supported File and Folder Structure.....23
- Using Android Auto and/or Apple CarPlay.....74
- Using Android Auto or Apple CarPlay.....65
- Using MP3 / WMA / OGG / WAV Files.....23
- Using the iPod Menu.....28
- Using the Map.....75
 - Scrolling and the Map Display.....76
 - The Vehicle Icon.....75
 - Zooming In and Out.....75
- Using the “Switch Phone” Command.....72
- Using The System.....33
 - Applications Tray.....35

U (CONT.)

Using The System (cont.)

- Apps.....33
- Audio.....33
- Home Page Features.....33
- Infotainment Display Features.....33
- Lighting.....34
- NAV.....34
- Phone.....33
- Projection.....33
- Settings.....34
- Video.....34
- Weather.....34
- Using the USB Music Menu.....26
- Using the USB Picture Menu.....29
- Using the USB Port.....23
 - USB Support.....23
 - USB Supported Devices.....23
 - USB Supported File and Folder Structure.....23
- Using the “Voice Keypad” Command.....72
- Using the “Voice Mail” Command.....72
- Using USB Storage Devices and an iPod / iPhone.....24
- Using Voice Recognition.....51
 - Canceling Voice Recognition.....52
 - Helpful Hints for Speaking Commands.....52
 - Procedure.....51
 - Prompts and Screen Displays.....52
- Using Voice Recognition For List Options.....53
 - Help.....54
 - The Back Command.....54

V

- Valet Mode.....9, 107

Index

V (CONT.)	
VC-1.....	120
Vehicle.....	10
Vehicle Position Issues.....	105
Vehicle Settings.....	108
Video.....	34
Viewing a Previous or Next Picture.....	29
Viewing a Slide Show.....	29
Viewing a Text Message.....	73
Viewing Pictures.....	28
Viewing Sender Information.....	73
Voice.....	98, 108
Voice Mail.....	71
Dialing a Voice Mail Number.....	71
Voice Pass-Thru (If Equipped).....	57
Voice Prompts.....	90
Voice Recognition.....	60
Voice Recognition for Audio My Media.....	55
Handling Large Amounts of Media Content.....	55

V (CONT.)	
Voice Recognition for Navigation (If Installed).....	56
Voice Recognition for the Phone.....	57
Voice Recognition for the Radio.....	54
Voice Recognition for Weather (If Equipped).....	57
Voice Volume.....	90

W

Warning.....	121
Waypoint List.....	84
Waypoint Symbols.....	82
Weather.....	34
Weather Menu.....	101
Weather Screen.....	100
WMA.....	120, 125

Z

Zooming In and Out.....	75
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