# 2010 Chevrolet Corvette Navigation System 📖

# Introduction

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The information in this manual supplements the owner manual.

This manual describes features that may or may not be on your specific vehicle either because they are options that you did not purchase or due to changes subsequent to the printing of this owner manual. Please refer to the purchase documentation relating to your specific vehicle to confirm each of the features found on your vehicle. For vehicles first sold in Canada, substitute the name "General Motors of Canada Limited" for Chevrolet Motor Division wherever it appears in this manual.

Keep this manual with the owner manual in the vehicle, so it will be there if it is needed. If the vehicle is sold, leave this manual in the vehicle.

**Canadian Vehicle Owners (Propriétaires des Véhicules Canadiens)**

A French language copy of this manual can be obtained from your dealer/retailer or from:

On peut obtenir un exemplaire de ce guide en français auprès du concessionnaire ou à l'adresse suivante:

Helm, Incorporated
P.O. Box 07130
Detroit, MI 48207

1-800-551-4123

Numéro de poste 6438 de langue française
www.helminc.com

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## Overview

Read this manual thoroughly to become familiar with how the navigation system operates.

The navigation system includes navigation and audio functions.

While entering the vehicle or when turning the vehicle off, some DVD Map Disc noise is normal.

Keeping your eyes on the road and your mind on the drive is important for safe driving. The navigation system has built-in features intended to help keep your eyes on the road and mind on the drive. Some features may be disabled while driving. Note that these functions will be grayed-out. A grayed-out function indicates it is not available when the vehicle is moving.

All functions are available when the vehicle is parked. Do the following before driving:

- Become familiar with the navigation system operation, hard keys on the faceplate, and touch-sensitive screen buttons of the navigation system.
- Set up the audio by presetting favorite stations, setting the tone, and adjusting the speakers.
- Set up the navigation features before beginning driving, such as entering an address or a preset destination.
- Set up your phone numbers in advance so they can be called easily with the press of a single button or a single voice command (for navigation systems equipped with phone capability).

### ⚠ WARNING

Taking your eyes off the road too long or too often while using the navigation system could cause a crash resulting in injury or death to you or others. Focus your attention on driving.

### ⚠ WARNING

Avoid looking too long or too often at the moving map on the navigation screen. This could cause a crash and you or others can be injured or killed. Use the turn-by-turn voice guidance directions whenever possible.

Use the navigation system to:

- Plan a route.
- Select a destination using various methods and choices.
- Follow turn-by-turn route and map guidance with voice prompts, only if permitted by traffic laws, controls, and conditions.

You should always be alert and obey traffic and roadway laws and instructions, regardless of the guidance from the navigation system. Because the navigation system uses street map information that does not include all traffic restrictions or the latest road changes, it may suggest using a road that is now closed for construction or a turn that is prohibited by signs at the intersection. Because the system uses limited information, you must always evaluate whether following the system's directions is safe and legal for the current conditions.

When the navigation system is turned on, a screen may appear with the information below, and you must read and acknowledge the information it contains.
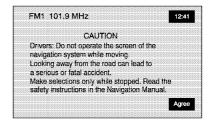
⚠ **WARNING**

Taking your eyes off the road for extended periods could cause a crash resulting in injury or death to you or others.

To help avoid a crash in which you or others could be killed:

- Always concentrate on your driving first by keeping your eyes and mind on the road, and your hands on the wheel.
- Follow system directions only if permitted by traffic laws, controls, and conditions.
- Before using this system, read the owner's manual and learn how it operates.

- Some system controls cannot be used the when vehicle is moving.

After you acknowledge the start up information you will be able to access the NAV (navigation) and DEST (destination) functions. Once accessed, you can enter or delete information in the navigation system or access other functions. See instructions later in this section.

FM1 101.9 MHz      12:41

CAUTION
Drivers: Do not operate the screen of the navigation system while moving.
Looking away from the road can lead to a serious or fatal accident.
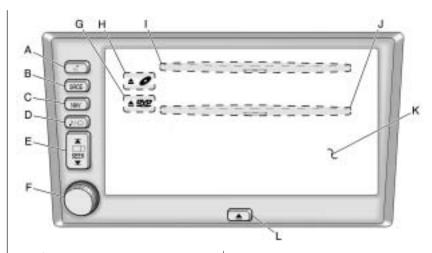Make selections only while stopped. Read the safety instructions in the Navigation Manual.

Agree

Every fifty times the vehicle is started and the navigation system is turned on, the Caution screen appears.

After reading the caution, select OK to load the map DVD information. If OK is not selected, all hard keys except for NAV (Navigation) and DEST (Destination) can be accessed. You can also press the NAV hard key to have this Caution screen appear.

When getting started, set the navigation system to your preference or delete information you may have entered using various options.

A. «⟨ (Voice Recognition) Key. See "Hard Keys" under *Using the Navigation System on page 30* for more information.

B. SRCE (Source) Key. See "Hard Keys" under *Using the Navigation System on page 30* for more information.

C. NAV (Navigation) Key. See "Hard Keys" under *Using the Navigation System on page 30* for more information.

D. ♪ / ▢ (Audio/Screen Adjust) Key. See "Hard Keys" under *Using the Navigation System on page 30* for more information.

E. ▲ ☐ SEEK ▼ (Seek/Tune) Key. See "Hard Keys" under *Using the Navigation System on page 30* for more information.

F. Power Volume Knob. See "Hard Keys" under *Using the Navigation System on page 30* for more information.

G. ▲ DVD (DVD Map Database Eject) Key. See "Installing the Map DVD" under *Maps on page 66* for more information.

H. ▲ ● (CD Eject) Key. See "*CD Player" on page 23* for more information.

I. CD Slot

J. DVD Map Database Slot

K. Navigation System Screen

L. ▲ (Open/Close Faceplate) Key. See "Hard Keys" under *Using the Navigation System on page 30* for more information.

**Language**

To change the language of the prompts that appear on the navigation screens, see "DIC Operation and Displays" in the Index of the vehicle's owner manual.

**Deleting Personal Information**

This navigation system can record and store destinations. You may want to delete stored destinations when the vehicle is sold or the lease has expired. Refer to the following sections to delete the destination information that has been stored.

See "Memory Points", "Home", "Previous Destination" and "Preset Destinations", under *Stored Locations on page 46* for deleting stored destinations.

**Storing Radio Station Presets**

To set preset radio stations:

1. Press the power/volume knob to turn the system on.

2. Press the SRCE hard key and select the desired band (AM, FM1, FM2, XM1, or XM2 (if equipped)).

3. Use the TUNE/SEEK arrows to tune to the desired station.

4. Press and hold one of the six preset screen buttons, at the bottom of the screen, until a beep is heard or the station is displayed on the selected preset button.

5. Repeat the steps for each preset.

See "Preset Station Menu" under *AM-FM Radio on page 13* or *Satellite Radio on page 21* for more information.

**Setting the Clock**

To set the time:

1. Press the power/volume knob to turn the system on.

2. Press and hold the time display in the upper right corner of any screen.

3. Select the 12H or 24H screen button to display the time in standard or military time.

4. Press and hold the Hour and Min. (minute) arrow buttons to increase or to decrease the time.

5. Select the correct time zone screen button.

6. Select the Daylight Saving Time screen button, if necessary.

The radio uses the GPS satellite to set the time. The vehicle needs to be in an open area to receive the signal. See "Clock" under *AM-FM Radio on page 13* for more information.

**Setting the Region, Entering an Address and Point of Interest, and Storing a Home Destination and Preset Destinations**

Before entering an Address, Point of Interest, Home, or Preset Destination, select the correct region that contains the final destination. The vehicle must be stopped to do this operation.

**Setting the Region**

To set the region:

1. If the radio is already on with a map disc inserted, skip to Step 5.

2. Press the power/volume knob to turn the system on.

3. Insert the DVD map disc. See "Installing the Map DVD" under *Maps on page 66* for more information.

4. A notice may appear. Touch the Agree screen button to proceed.

5. Press the NAV hard key.

6. Press the MENU screen button.

7. Press the 🐾 Enter Destination screen button.

8. Press the Region screen button.

9. Select the correct numbered region screen button that contains your final destination.

The system returns to the Enter Destination menu. See *Enter Destination on page 32* for more information.

**Entering an Address**

To set a destination by entering a street address:

1. If the radio is already on with a map disc inserted, skip to Step 5.

2. Press the power/volume knob to turn the system on.

3. Insert the DVD map disc. See "Installing the Map DVD" under *Maps on page 66* for more information.

4. A notice may appear. Touch the Agree screen button to proceed.

5. Press the NAV hard key.

6. Press the MENU screen button.

7. Press the ® Enter Destination screen button. Verify that the selected Region is correct.

8. Press the ☰ Address screen button.

9. Enter the street name using the alpha keypad on the screen.

   Do not enter street direction (ie N, S.E., or W) information or type of street (ie road, lane, or court) to the address. Use the space symbol screen button (▬) between street or city names. For example, the street name N. Royal Oak Rd. should be entered as royal▬oak. Use the backspace (◀) screen button if an incorrect character has been entered.

10. Select the type of street (Dr., Ln., St., etc.) if it applies, from the list.

11. If there is more than one city, the system displays the list of cities that have a street with that name. Select a city from the list or select the Input Name screen button to enter the city name.

12. Enter the house number using the numeric keypad on the screen and touch the OK screen button.

    A map screen appears with the destination marked.

13. Select the ◉ (destination) symbol screen button.

14. Select the Guide screen button.

15. Once driving begins, an audio prompt "Proceed to the highlighted route" is heard. The vehicle is now in route guidance mode.

See "Address" under *Enter Destination on page 32* for more information.

**Entering a Point of Interest (POI)**

To set a destination by entering a Point of Interest (POI):

1. If the radio is already on with a map disc inserted, skip to Step 5.

2. Press the power/volume knob to turn the system on.

3. Insert the DVD map disc. See "Installing the Map DVD" under *Maps on page 66* for more information.

4. A notice may appear. Touch the Agree screen button to proceed.

5. Press the NAV hard key.

6. Press the MENU screen button.

7. Press the ® Enter Destination screen button. Verify that the selected Region is correct.

8. Press the ▦ Point of Interest screen button.

9. Enter the specific title of the POI in the Name space (i.e. Washington Monument) using the alpha keypad on the screen.

10. Select the POI from the list.

11. If there is more than one city, the system displays the list of cities that have a street with that name. Select a city from the list or select the Input Name screen button to input the city name.

    A map screen appears with the destination marked.

12. Select the ⊚ (destination) symbol screen button.

13. Select the Guide screen button.

14. Once driving begins an audio prompt "Proceed to the highlighted route" is heard. The vehicle is now in route guidance mode.

Using the Category or City selections to help find the POI by limiting the search options.

See "Point of Interest (POI)" under *Enter Destination on page 32* for more information.

**Storing a Home Destination**

1. If the radio is already on with a map disc inserted, skip to Step 5.

2. Press the power/volume knob to turn the system on.

3. Insert the DVD map disc. See "Installing the Map DVD" under *Maps on page 66* for more information.

4. A notice may appear. Touch the Agree screen button to proceed.

5. Press the NAV hard key.

6. Press the MENU screen button.

7. Press the ☆ Stored Locations screen button.

8. Press the 🏠 Home screen button.

9. Press the Add screen button.

10. Press the Address screen button and enter all address information.

11. Press the OK screen button.

    A map screen appears with the destination marked.

12. Press the OK screen button.

13. Press the back arrow screen button.

    The 🏠 Home icon is highlighted on the Enter Destination screen. See "Using Your Home or Preset Destinations" later in this section for more information.

**Storing a Preset Destination**

1. If the radio is already on with a map disc inserted, skip to Step 5.

2. Press the power/volume knob to turn the system on.

3. Insert the DVD map disc. See "Installing the Map DVD" under *Maps on page 66* for more information.

4. A notice may appear. Touch the Agree screen button to proceed.

5. Press the NAV hard key.

6. Press the MENU screen button.

7. Press the ⚓ Stored Locations screen button.

8. Press the ▣ Previous Dest. screen button.

9. Press the Add screen button, then select the numbered preset button for the destination to appear as.

10. Press the Address screen button and enter all address information.

11. Press the OK screen button.

    A map screen appears with the destination marked.

12. Press the OK screen button.

13. Press the back arrow screen button.

    The numbered preset destination is highlighted on the Enter Destination screen. See "Using Your Home or Preset Destinations" next in this section for more information.

**Using Your Home or Preset Destinations**

These destinations are available for selection while driving.

1. If the radio is already on with a map disc inserted, skip to Step 5.

2. Press the power/volume knob to turn the system on.

3. Insert the DVD map disc. See "Installing the Map DVD" under *Maps on page 66* for more information.

4. A notice may appear. Touch the Agree screen button to proceed.

5. Press the NAV hard key.

6. Press the MENU screen button.

7. Press the ❁ Enter Destination screen button.

8. Select the ⌂(Home symbol) or one of the available preset destination symbols. A map screen appears with the destination marked.

9. Select the ◉ (destination) symbol screen button.

10. Select the Guide screen button.

11. Once driving begins an audio prompt "Proceed to the highlighted route" is heard. The vehicle is now in route guidance mode.

**Canceling Guidance**

Guidance is canceled once you arrive at the final destination. To cancel guidance prior to arrival at the final destination:

1. Press the NAV hard key to access the map screen.

2. Press the MENU screen button on the map screen.

3. Press the ⎗ Route Options screen button.

4. Press the Cancel Guidance screen button.

5. Press the Yes screen button to confirm cancellation.

## Stored Locations

Once a destination has been stored, the address information can then be edited and deleted. See *Stored Locations on page 46* for more information on other features that can be stored, edited, and deleted.

To delete the stored home destination:

1. Press the power/volume knob to turn the system on.
2. Insert the DVD map disc. See "Installing the Map DVD" under *Maps on page 66* for more information.
3. A notice may appear. Touch the Agree screen button to proceed.

   If the radio is already on with a map disc inserted, press the NAV hard key.
4. Press the MENU screen button.
5. Press the 👤 Stored Locations screen button.
6. Press the 🏠 Home screen button.

7. Press the Delete screen button.
8. A confirmation pop-up screen appears: select Yes to delete; select No to cancel the operation.

To delete a waypoint or a stored preset destination:

1. Press the power/volume knob to turn the system on.
2. Insert the DVD map disc. See "Installing the Map DVD" under *Maps on page 66* for more information.
3. A notice may appear. Touch the Agree screen button to proceed.

   If the radio is already on with a map disc inserted, press the NAV hard key.
4. Press the MENU screen button.
5. Press the 👤 Stored Locations screen button.
6. Press the 🗺 Dest. & Way Pt. or the 🗺 Previous Dest. screen button.

7. Press the Delete screen button, then select the way point or the numbered preset button to delete.
8. A confirmation pop-up screen appears: select Yes to delete; select No to cancel the operation.

## Guidance Volume

To adjust the volume of voice guidance prompts:

1. Press the NAV hard key to access the map screen.
2. Press the MENU screen button on the map screen.
3. Press the 🗔 Navigation Set Up screen button.
4. Press the 🔊 Guidance Volume screen button.
5. Select the desired volume or select Off. The system plays back the new volume level.

See "Guidance Volume" under *Navigation Set Up on page 55* for more information.

### Cleaning the Display

If the panel or the display is stained, wipe it with a dry, soft cloth.

*Notice:* **If you use abrasive cleaners when cleaning glass surfaces, you could scratch the glass. When cleaning the glass, use only a soft cloth and do not spray cleaner directly on the system.**

Do not apply spray cleaner directly to the system, the cleaner could affect the mechanical parts.

Do not wipe the panel with a hard cloth or use a liquid that could ignite, such as thinner or alcohol, it could scratch the surface or erase the characters.

# Radio

## AM-FM Radio

*Notice:* **Before adding any sound equipment to the vehicle, such as an audio system, CD player, CB radio, mobile telephone, or two-way radio, make sure that it can be added by checking with your dealer/retailer. Also, check federal rules covering mobile radio and telephone units. If sound equipment can be added, it is very important to do it properly. Added sound equipment can interfere with the operation of the vehicle's engine, radio, or other systems, and even damage them. The vehicle's systems can interfere with the operation of sound equipment that has been added.**

*Notice:* **The chime signals related to safety belts, parking brake, and other functions of the vehicle operate through the navigation system. If that equipment is replaced or additional equipment is added to the vehicle, the chimes may not work. Make sure that replacement or additional equipment is compatible with the vehicle before installing it. See "Accessories and Modifications" in the Index of the vehicle's owner manual.**

Your vehicle has a feature called Retained Accessory Power (RAP). RAP lets the audio system play after the ignition is turned off. See "Retained Accessory Power (RAP)" in the Index of your vehicle's owner manual for more information.

The audio system operates using the navigation system menus.

## Playing the Radio

**Power/Volume Knob:** Press to turn the audio system on and off. Turn to increase or decrease the volume to the audio system.
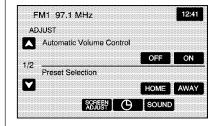
$\overline{\wedge}$ □□ **SEEK** $\vee$:

* Press and hold the up or down arrow until a beep is heard to go to the next or previous station and stay there.
* Press and hold either arrow to perform a fast seek.

**SRCE (Source):** Press to display the main audio screen.

## Audio Adjust Screen

♪ **/** □ **(Audio/Adjust Screen):** Press to view the audio and screen settings.

```
┌─────────────────────────────────┐
│ FM1  97.1 MHz              12:41 │
│ ADJUST                           │
│ ▲  Automatic Volume Control      │
│                      OFF    ON   │
│ 1/2  Preset Selection            │
│ ▼                   HOME   AWAY  │
│        SCREEN   🕘   SOUND        │
│        ADJUST                    │
└─────────────────────────────────┘
```

**Automatic Volume Control (AVC):** The audio system adjusts automatically with AVC to make up for road and wind noise while driving. The volume increases as vehicle speed increases.

To use AVC, set the volume to the desired level and then touch the ON screen button. To turn AVC off, select the OFF screen button.

If your vehicle is equipped with a Bose® sound system, it includes Bose® AudioPilot® noise compensation technology.
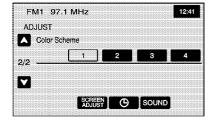
When turned ON, AudioPilot continuously adjusts the audio system equalization to compensate for background noise, so that your music always sounds the same at the set volume level.

This feature works best at lower volume settings where background noise may mask the audio. At higher volume settings, where the audio is much louder than the noise, there may be little or no change in the audio level. For additional information on AudioPilot, visit www.bose.com/audiopilot.

To use this feature, set the volume to the desired level and then touch the ON screen button. To turn it off, select the OFF screen button.

**Preset selection:** This feature programs local presets that are recalled by touching HOME.
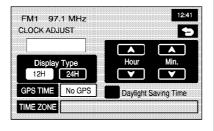
Presets can also be programmed while traveling to another area and can be stored under the AWAY setting. See "Preset Station Menu" later in this section for more information.

```
FM1  97.1 MHz                    12:41
ADJUST
🔼 Color Scheme
        ┌───┐ ┌───┐ ┌───┐ ┌───┐
2/2     │ 1 │ │ 2 │ │ 3 │ │ 4 │
        └───┘ └───┘ └───┘ └───┘
🔽
                SCREEN  🕐  SOUND
                ADJUST
```

**Color Scheme:** Select this feature to change the color of audio and navigation screens. Touch any of the color options to view the different backgrounds. Color option 1 is the default option.

**Clock**

Touch the clock symbol at the bottom of the audio/adjust screen or touch and hold the time display in the upper right corner of any menu to access the CLOCK ADJUST menu. Touching the time display also displays the date on the status bar at the top of the screen.

```
FM1  97.1 MHz                    12:41
CLOCK ADJUST                       ↩
┌──────────────┐      ┌───┐  ┌───┐
│              │      │ ▲ │  │ ▲ │
└──────────────┘      └───┘  └───┘
   Display Type        Hour   Min.
   ┌───┐┌───┐         ┌───┐  ┌───┐
   │12H││24H│         │ ▼ │  │ ▼ │
   └───┘└───┘         └───┘  └───┘
 GPS TIME│No GPS│   ■ Daylight Saving Time
 TIME ZONE│            │
```

The following time options can be adjusted from this menu:

**Hour/Min.:**

• Touch the up or down arrows to increase or decrease the hour or minutes.

• Touch and hold either arrow to advance quickly.

**12H/24H:** Touch 12H to display the time in standard time, or 24H to display the time in military time.

**GPS TIME:** The current GPS time is displayed to the right of this button. Touch GPS TIME to set the navigation system's time to match current GPS time.

**Daylight Saving Time:** Touch this screen button to increase the time setting by one hour, then touch GPS TIME to save the new setting. If the screen button is light blue, the daylight savings time feature is on. If the screen button is dark blue, the daylight savings time feature is off.
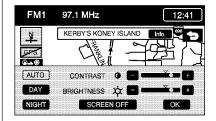
**TIME ZONE:** The selected time zone appears to the right of this screen button. Touch TIME ZONE to toggle through the available time zones until the desired time zone is highlighted. The time of the selected zone is displayed to the right of GPS TIME. To set the system clock to the new setting, touch GPS TIME.

If the system is not receiving GPS information, the time can still be set manually as described above, but GPS time and Daylight Saving Time features are not available.

Touch the back screen button to go back to the previous menu.

**Screen Adjust**

To adjust the contrast or brightness of the screen, touch SCREEN ADJUST at the bottom of the audio/adjust screen.



The following screen options can adjusted from this menu:

◐ **(Contrast):** Touch the plus (+) or minus (−) to adjust the contrast. The screen changes. Touch OK to confirm the change.

☼ **(Brightness):** Touch the plus (+) or minus (−) to adjust the brightness. Touch OK to confirm the change.

**AUTO:** This setting automatically adjusts the contrast and brightness of the screen based on outside lighting conditions.

**DAY:** This setting leaves the screen in day mode which, is best suited for daylight conditions.

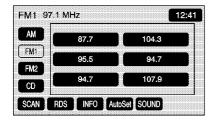**NIGHT:** This setting leaves the screen in night mode which, is best suited for nighttime conditions.

**SCREEN OFF:** Touch SCREEN OFF to turn off the screen. Press the NAV, SRCE, or ♪/☐ (audio adjust) hard key to turn the screen back on.

**OK:** Touch OK to save the changes and exit this menu.

**SOUND:** Touch SOUND to access the SOUND menu. See "Sound Menu" later in this section for more information.

### Finding a Station

Press the SRCE hard key to display the operation screen of the current audio source. Each operation screen has an audio source screen button, (AM, FM1, FM2, XM1, XM2, if equipped, and CD). Touch the desired audio source to select it.



### Preset Station Menu

Up to 30 stations, 6 AM, 6 FM1, 6 FM2, 6 XM1, and 6 XM2, if equipped, can be programmed for home and for away (XM™ does not have the home and away feature). To store presets:

1. Turn the audio system on.

2. Press the SRCE hard key.

3. Touch AM, FM1, FM2, XM1, or XM2, if equipped, to display the desired source. The preset station menu appears.

4. Tune to the desired station by using the TUNE/SEEK arrows.

5. Touch SOUND to set the bass, mid-range, treble, and Auto Tone Control (ATC) for the preset, if desired. See "Sound Menu" later in this section for more information.

6. Touch and hold one of the six numbered preset screen buttons for more than two seconds until a beep is heard.

7. Repeat the steps for each preset and source.

**SCAN:**

- Touch to scan stations. The radio goes to a station, plays for a few seconds, then goes to the next station.

- Touch SCAN again to stop scanning.

- Touch and hold SCAN for two seconds to scan preset stations. It will only scan the audio source it is in, with the exception of FM 1 and FM 2, which will both be scanned if in that source.

- Touch SCAN again to stop scanning.

**RDS (Radio Data System):** See "Radio Data System (RDS)" later in this section for more information.

**Info (Information):** See "Radio Data System (RDS)" later in this section for more information.
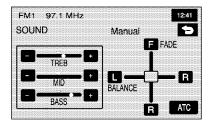
**AutoSet:**

1. Touch this screen button to replace currently stored preset stations with the strongest stations available in the immediate area.

2. Touch it again to return to the original preset stations.

**SOUND:** See "Sound Menu" following in this section for more information.

## Sound Menu

Touch SOUND at the bottom of the main audio screen or source menu to change the tone, ATC, fade, and balance for all sources. The audio system has a separate setting for these features for each source preset. However, the audio system keeps one fade and one balance setting for all audio sources.
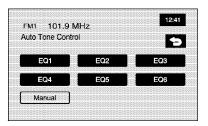


To adjust sound settings:

- Touch the plus (+) or minus (−) signs to adjust treble, mid-range, and bass, if in the Manual mode of ATC.

- Touch the L (left) or R (right) to adjust the balance of the speakers.

- Touch the F (front) or R (Rear) to adjust the fade of the speakers.

- Touch the ATC screen button to adjust the ATC setting. See "Adjusting the Speakers" later in this section for more information.

After adjustments are made, touch the back screen button to go back to the preset station menu. Whenever the back screen button is touched, the previously stored information that was entered for each preset station is recalled.

**Adjusting the Speakers**



**ATC (Auto Tone Control):** The ATC feature is used to provide a choice of six different listening experiences. ATC can be used while listening to the audio system or the CD player.

The audio system can store separate ATC settings for each source and preset station.

To save ATC settings for your preset stations, use the SOUND menu and touch ATC. See "Preset Stations" earlier in this section for more information.

**Radio Data System (RDS)**

The audio system has a Radio Data System (RDS). RDS features are available for use only on FM stations that broadcast RDS information. With RDS, the radio can do the following:

• Seek to stations broadcasting the selected type of programming

• Receive announcements concerning local and national emergencies

• Display messages from radio stations

• Seek to stations with traffic announcements

**RDS (Radio Data System):** Touch RDS to use alternate RDS functions located in the preset menu. After touching RDS, quickly choose RDS ON/OFF, TA, INFO, PTY, or Select PTY. If a selection is not made, the system returns to the previous menu.

If tuned to a station broadcasting RDS information, the station's Program Service (PS) and Program Type (PTY) replaces the station's frequency on the status line at the top of the display. After about five seconds, if available, the PTY is replaced on the display by the station's PTY name. The PTY and PTY name can be the same or different.

If the audio system is tuned to a station that is not broadcasting RDS information, the station's frequency remains on the display.

The RDS feature relies upon receiving specific information from RDS stations. These features only work when RDS information is available.

**TA (Traffic Announcement):** Touch TA to receive traffic announcements. TA displays if the current station broadcasts traffic announcements. If the current station does not broadcast traffic announcements, the audio system seeks to a station that does and stops. If no station is found, TA turns off.

While a traffic announcement plays, the audio system uses TA volume. To increase TA volume, use the VOL up or down buttons during the announcement. See "Voice Guidance Volume Settings" under *Navigation Set Up on page 55* for more information.

When a traffic announcement comes on the current radio station, it can be heard even if the volume is muted or a CD is playing. If the CD player was being used, the CD stays in the player and resumes play at the point where it stopped.

Touch RDS followed by TA again to turn TA off.

**INFO (Information):** When RDS is on, if the current station has a message, INFO displays. Touch INFO from the preset menu to view the message. If the whole message does not display, parts of the message appears every three seconds until the message is completed. Once the complete message has been displayed, INFO disappears from the display until another new message is received. INFO remains available so that the entire message an be displayed again.

**PTY (Program Type):** PTY only seeks stations with certain program types. This button is used to turn on and off Program Type (PTY) features.

With RDS on, touch RDS, followed by PTY. The PTY display turns on. Touch RDS followed by this button again to turn the PTY display off.

**Select PTY (Select Program Type):** With RDS and PTY on, touch RDS, then Select PTY. The PTY menu appears. Use the up and down arrows to select a PTY.

When the PTY display is on, press TUNE/SEEK or SCAN to find radio stations of the PTY selected. The last PTY selected is used for seek and scan modes. If a station with the selected PTY is not found, STATION NOT FOUND displays. If both PTY and TA are on, the audio system searches for stations with traffic announcements and the selected PTY.

**PTY (Program Type) Presets:** The six presets let you return to your favorite PTYs. These presets have factory PTY preset stations. See "RDS Program Type (PTY) Selections" later in this section. Up to 12 PTYs, 6 FM1 and 6 FM2 can be set. To save a PTY preset:

1. Touch FM1 or FM2.
2. Touch RDS to enter the RDS menu.
3. Touch RDS ON/OFF to turn RDS on.
4. Touch PTY.
5. Touch Select PTY and select the desired PTY from the list.
6. Touch and hold one of the six presets for more than two seconds until a beep is heard. When you touch that numbered preset for less than two seconds, the set PTY returns.
7. Repeat the steps for each preset.

Touch the stored PTY preset station for less than two seconds to recall it. Then use TUNE/SEEK or SCAN to locate a station for that PTY selection.

**ALERT:** This type of announcement warns of national or local emergencies and cannot be turned off. ALERT displays while an alert announcement plays. The audio system uses TA volume during these announcements.

To increase volume, use the VOL up and down buttons during the announcement. See "Voice Guidance Volume Settings" under *Navigation Set Up on page 55* for more information. When an alert announcement comes on the tuned radio station it will be heard even if the volume is muted or a CD is playing. If the CD player is playing, the player stops for the announcement and resumes when the announcement is finished.

### Home and Away Preset Stations

If the vehicle has this feature, the audio system settings that were adjusted the last time the vehicle was operated can be recalled. This feature allows two different drivers to store and recall their own audio system settings. The adjusted settings are recalled by the audio system and are determined by which Remote Keyless Entry (RKE) transmitter (1 or 2) that was used to

enter the vehicle. The number on the back of the RKE transmitter corresponds to driver 1 or to driver 2.

The audio system can store HOME and AWAY preset stations. HOME and AWAY preset stations allow the use of one set of preset radio settings in a local area, and another set that are not in the local broadcast area. This eliminates the need to reprogram preset stations while travelling out of the area.

To select HOME and AWAY preset stations:

1. Touch the Audio hard key to enter the audio screen.
2. Touch the HOME or AWAY button.

   The next time the audio system is turned on, the system recalls the last active preset selection.

If the vehicle loses battery power, the local preset stations do not have to be reset. However, the non-local preset stations must be reset.

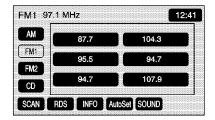## Satellite Radio

### Playing the Radio

**Power/Volume Knob:** Press to turn the audio system on and off. Turn to increase or decrease the volume to the audio system.

$\overline{\wedge} \sqcup$ **SEEK** $\vee$:

• Press and hold the up or down arrow until a beep is heard to go to the next or previous station and stay there.

• Press and hold either arrow to perform a fast seek.

**SRCE (Source):** Press to display the main audio screen.

### Finding a Station

Press the SRCE hard key to display the operation screen of the current audio source. Each operation screen has an audio source screen button, (AM, FM1, FM2, XM1, XM2, if equipped, and CD). Touch the desired audio source to select it.

| FM1 97.1 MHz | | 12:41 |
|---|---|---|
| AM | 87.7 | 104.3 |
| FM1 | 95.5 | 94.7 |
| FM2 | | |
| CD | 94.7 | 107.9 |
| SCAN | RDS | INFO | AutoSet | SOUND |

### Preset Station Menu

Up to 30 stations, 6 AM, 6 FM1, 6 FM2, 6 XM1, and 6 XM2, if equipped, can be programmed for home and for away (XM™ does not have the home and away feature). To store presets:

1. Turn the audio system on.

2. Press the SRCE hard key.

3. Touch AM, FM1, FM2, XM1, or XM2, if equipped, to display the desired source. The preset station menu appears.

4. Tune to the desired station by using the TUNE/SEEK arrows.

5. Touch SOUND to set the bass, mid-range, treble, and Auto Tone Control (ATC) for the preset, if desired. See "Sound Menu" under *AM-FM Radio on page 13* for more information.

6. Touch and hold one of the six numbered preset screen buttons for more than two seconds until a beep is heard.

7. Repeat the steps for each preset and source.

### XM™ Satellite Radio Service

XM™ is a satellite radio service that is based in the 48 contiguous United States and 10 Canadian provinces. XM Satellite Radio has a wide variety of programming and commercial-free music, coast-to-coast, and in digital-quality sound. During your trial or when you subscribe, you will get unlimited access to XM Radio Online for when you are not in the vehicle. A service fee is required to receive the XM service. For more information, contact XM at www.xmradio.com or call 1-800-929-2100 in the U.S. and www.xmradio.ca or call 1-877-438-9677 in Canada.

**INFO (Information):** Touch INFO while in XM™ mode to retrieve various pieces of information related to the current song or channel. By touching INFO, four different categories of information can be retrieved that cycle through: Artist Name/Feature, Song/Program Title, Channel Category, and other

Additional Information that may be broadcast on that channel. Additional Information messages may only be available at certain times or on certain programs. If an Additional Information message is being broadcast on the tuned channel, INFO displays.

Each of the four information types may have multiple pages of text. To reach a category, touch INFO once and wait until the desired type displays. If there are multiple pages of text for the information selected type, the radio automatically displays all the pages for that type at a rate of about one page every three seconds before timing out and returning to the default display.

**XM™ Radio Messages**

See "XM™ Radio Messages" in the vehicle's owner manual" for a list of possible XM messages.

# Audio Players

## CD Player

To load/eject a music CD, do the following:

1. Turn the ignition on.
2. Press the faceplate tilt hard key. This opens the faceplate of the system.
3. Press the eject hard key with the CD symbol. If a CD is already loaded, the CD ejects from the slot.
4. Gently remove the CD from the slot and return it to its case.
5. Insert the music CD into the slot. The system pulls the disc into the player.
6. Press and release the faceplate tilt hard key to close the faceplate.

When the faceplate is opened, a warning message displays as a reminder to close the faceplate as soon as possible.

### Playing a CD

Once a music CD is loaded, the CD player menu displays.

If the ignition or radio is turned off while a CD is in the player, it stays in the player. When the ignition or radio is turned on, the CD starts to play where it stopped, if it was the last selected audio source.

As each new track starts to play, the track number displays.

The CD player can play the smaller 3 inch (8 cm) single CDs with an adapter ring. Full-size CDs and the smaller CDs are loaded in the same manner.

If playing a CD-R the sound quality can be reduced due to CD-R quality, the method of recording, the quality of the music that has been recorded, and the way the CD-R has been handled. There can be an increase in skipping, difficulty in finding tracks, and/or difficulty in loading and ejecting.
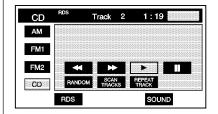
If these problems occur, check the bottom surface of the CD. If the surface of the CD is damaged, such as cracked, broken, or scratched, the CD does not play properly. If the surface of the CD is soiled, see "Radios" in the Index of your vehicle's owner manual.

If there is no apparent damage, try a known good CD.

*Notice:* **If a label is added to a CD, or more than one CD is inserted into the slot at a time, or an attempt is made to play scratched or damaged CDs, the CD player could be damaged. While using the CD player, use only CDs in good condition without any label, load one CD at a time, and keep the CD player and the loading slot free of foreign materials, liquids, and debris.**

Do not add any label to a CD as it could get caught in the CD player. If a description label is needed, label the top of the CD with a soft marker.

If an error displays, see "CD Errors" later in this section.



▶ **(Play):** Touch this button to begin playing a CD.

**RANDOM:**

1. Touch this button to hear the tracks in random, rather than sequential, order on the current CD.

2. Press the TUNE/SEEK hard key to randomly seek through the tracks on this CD.

3. Touch RANDOM or RANDOM DISC again to turn off random play.

**SCAN TRACKS:**

1. Touch this button to hear the first 10 seconds of each track on the current CD.

2. Touch this button again to stop scanning. The CD mutes while scanning.

**REPEAT TRACK:** Touch this button to repeat the selected track. Touch this button again to turn off repeated play.

◀◀ **(Rewind):** Touch this button to rewind quickly through a track selection.

**⏵⏵ (Forward):** Touch this button to fast forward quickly through a track selection.

△ ☐☐ **SEEK** ▽:

1. Touch the up arrow to seek to the next selection on the CD. If playing the last track of the disc, touch the up arrow to seek to the first track of the disc.

2. If playing the first track of the disc, touch the down arrow to seek to the last track of the disc. The sound mutes while seeking.

**▐▐ (Pause):**

1. Touch this button to pause CD play.

2. Touch it again to resume play or touch the play button.

**Playing a CD Changer**

If the vehicle has the CD changer, it can play up to six discs. Normal size discs may be played using the trays supplied in the magazine. The smaller discs (8 cm) can be played only with specially designed trays.
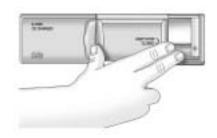


The magazine must be loaded with CDs before one can play. Each of the six trays holds one CD.

Load the trays from bottom to top, placing a disc in the tray label side up. If a CD is loaded with the label side down, the disc does not play and an error occurs. Repeat this procedure for loading up to six discs in the magazine.



Once you have loaded the discs into the magazine, slide the CD changer door open. Push the magazine into the changer in the direction of the arrow marked on top of the magazine.
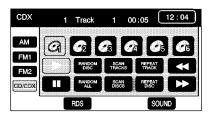
Close the door by sliding it all the way to the right. When the door is closed, the changer begins checking for discs in the magazine. This continues for up to one and a half minutes, depending on the number of discs loaded. Noise might be heard, but this is normal. The CD changer is initializing.

To eject the magazine from the player, slide the CD changer door all the way open. Press EJECT, located inside of the changer door, and the magazine ejects. Remember to keep the door closed whenever possible to keep dirt and dust from getting inside the changer.

To eject CDs from the magazine, push the RELEASE switch on the bottom of the magazine.

Press the CD hard key to access the six-disc CD changer screen. The system's DVD player for single CD play can also be used once the map DVD is removed. See "CD/DVD Player" later in this section for more information.

If no CD is loaded in the CD/DVD Player and the CD hard key is pressed, the message "No CD loaded" displays.



**CD Changer Screen**

The numbered buttons, 1 through 6, represent the order of the CDs loaded in the changer. If there are only two CDs loaded, only buttons 1 and 2 are available to choose from.

Many of the buttons described previously in the "Playing a CD" section have the same function as the CD changer buttons. See "Playing a CD" earlier, for button description.

Some of the buttons that are specific to the CD changer are:

**RANDOM ALL:**

1. Touch this button to hear the tracks, on all of the loaded CDs in the CD changer, in random, rather than sequential order.

2. Press the TUNE/SEEK hard key while RANDOM ALL is on to randomly seek within that CD.

3. Touch RANDOM ALL again to turn off random play.

**SCAN DISCS:**

1. Touch this button to hear the first 10 seconds of first track on each loaded CD.

2. Touch this button again to stop scanning. The CD will mute while scanning.

**REPEAT DISC:**

1. Touch this button to repeat the selected CD.

2. Touch REPEAT DISC again to turn off repeat play.

∧ **TUNE SEEK** ∨ :

1. Press the up arrow to seek to the next selection on the CD. If playing the last track of the CD, press the up arrow to seek to the first track of the next CD.

2. Press the down arrow to seek to the previous selection on the CD. If playing the first track of the CD, press the down arrow to seek to the last track on the selected CD. The sound mutes while seeking.

**Using an MP3**

**MP3 Format**

When creating an MP3 disc, the following is a list of guidelines. If these guidelines are not followed while recording a CD-R(W), the CD may not play.

- ID3 tag information is displayed by the radio if it is available. The radio supports ID3 tag information v1.0 or v1.1. The radio displays a filename, song name, artist name, album name, and directory name.

- Maximum 31 characters, including spaces, in a file or folder name.

- Maximum number of folders is 500 with 500 files with a maximum hierarchy of eight folders. It is recommended to keep the depth of folders to a minimum in order to keep down the complexity and confusion in trying to locate a particular folder during playback.

- Create a folder structure that makes it easy to find songs while driving. Organize songs by albums using one folder for each album. Each folder or album should contain 18 songs or less.

- The files can be recorded on a CD-R or CD-RW with a maximum capacity of 700MB.

- DVD with MP3 are not playable on this system.

- The radio does not play a mixed mode CD-R/RW, a disc recorded with both *.cda and *.mp3 files.

- The player supports a disc with multiple sessions, but it is not required that the disc be finalized. It is recommended to record the disc all at once.

- Recording format mode 2 or mode 2XA with Romeo or Joliet file system is not supported with this player.

- All applicable Mode 1 recording formats are supported.

- MPEG 2.5 is not supported with this player. File formats MPEG 1 and MPEG 2 with all bit rates (including variable) except less than 16kbps are supported with this player.

- Long files or folder names or a combination of a large number of files and folders could cause the player to be unable to play up to the maximum number of files or folders or affect the reading speed and time to play.

**Playing an MP3**



Many of the buttons described previously in the "Playing a CD" section have the same function as the MP3 buttons. See "Playing a CD" earlier, for button description.

Some of the buttons that are specific to playing an MP3 are:

**TRACK SELECT:**

1. Select this screen button to display the MP3 folder/file structure.

2. Use the up/down arrows to scroll through the list.

3. Select the folder or track to play. Press the ⮌ (return) screen button to go back to the main screen.

**HOME:** Select this screen button to go to the Home folder. This is the folder on the disc which contains the current track that is playing.

⌷ **(Folder Up):** Select this screen button to go to the previous folder.

▲▼ **(Seek):**

1. Press the up arrow to seek to the next track on a disc. If playing the last track, press the up arrow to seek to the first track of the current folder.

2. Press the down arrow to go to the beginning of the current track or to the previous track on a disc. If playing the first track, press the down arrow to seek to the last track on the current folder.

**CD Errors**

CD ERROR could display for the following:

- The road is too rough. The CD should play when the road is smoother.

- The CD is dirty, scratched, wet, or not loaded label side up.

- The air is very humid. If so, wait about an hour and try again.

If any error occurs repeatedly or if an error cannot be corrected, contact your dealer/retailer.

Vehicles with audio controls, have some controls that can be adjusted at the steering wheel. See "Audio Steering Wheel Controls" in the vehicle's owner manual for more information.

# Navigation

## Using the Navigation System

This section has basic information on how to operate the navigation system.

Use the hard keys located on the navigation system along with the available touch screen buttons on the navigation screen to operate the system. See *Overview on page 4* for more information.

Once the vehicle is moving, some functions are disabled to reduce driver distractions.

### Hard Keys

The following hard keys are located on the navigation system:

▲ **(Open/Close Faceplate):** Press this key located at the bottom of the Navigation Screen to open or close the faceplate.

▲ ⬤ **(Eject CD):** Press the eject CD key next to the CD loading slot to eject CDs. See *CD Player on page 23* for more information.

▲ **DVD (Eject Map Database DVD):** Press the eject DVD key next to the DVD loading slot to eject the map DVD. See "Installing the Map DVD" under *Maps on page 66* for more information.

**Power/Volume Knob:** Press to turn the audio and navigation systems on and off. Turn to increase or decrease the volume to the audio system.

«⚡ **(Voice Recognition):** Press to activate the voice recognition system. See *Voice Recognition on page 76* for more information.

**NAV (Navigation):** Press to access the map screen. If this key is pressed when a map screen is displayed and while in route guidance, the system repeats the last voice command.

**SRCE (Source):** Press to access the audio source screen. See *AM-FM Radio on page 13* or *Satellite Radio on page 21* for more information.

♪ **/ ▢ (Audio/Screen Adjust):** Press to access the Audio Adjust and Screen Adjust screens. See *AM-FM Radio on page 13* or *Satellite Radio on page 21* for more information.

▲ ▢ **SEEK** ▼ **(Seek/Tune):** Press the arrows to go to the next or previous radio station and stay there, or to tune in a station. See *AM-FM Radio on page 13* or *Satellite Radio on page 21* for more information.

## Alpha-Numeric Keypad

Letters of the alphabet, symbols, punctuation, and numbers are displayed on the navigation screen as an alpha or numeric keypad. The alpha keypad displays when a city or street name needs to be entered. Touch the Sym. (symbol) screen button at the bottom of the alpha keypad to access the numeric keypad when entering a house address, punctuation mark, or other character. Touch A - Z to return to the alpha keypad.

All characters are touch-sensitive screen buttons. Touch a character to select it.

**⌨ (Space):** Touch to enter a space between characters or the words of a name.

**◀ (Back space):** Touch if an incorrect character has been selected.

To make name selections easier, the system only lets you select a character which can follow the last one entered. For example, if a Z is entered, a T is not be available to select. The system highlights the available characters.

If a name does not display after it is entered, it may need to be entered differently, the map DVD database may not contain that information, or the correct search area has not been selected. See *Database Coverage Explanations on page 76* for more information.

### Touch-Sensitive Buttons

Touch-sensitive buttons are located on the screen. When a screen button has been selected, a beep sounds. These buttons are highlighted when a feature is available. There are also some toggle screen buttons that are light in color when active.

## Keyless Access System

When the vehicle is started, Driver 1 or Driver 2 displays on the Driver Information Center (DIC). The number on the back of the RKE transmitter corresponds to driver 1 or driver 2. The navigation system can store memory points, audio presets, system settings, and last know audio mode for driver 1 and driver 2 individually. See "Vehicle Personalization" in the index of your vehicle's owner manual for more information.

## Enter Destination

Press the ⚙ Enter Destination screen button to access the ENTER DESTINATION screen. From this screen, several options are available to plan a route by entering destination points.

Once a destination entry is complete, regardless of which method used, a map screen with the destination previewed displays.

- Change route preferences, route options, map appearances, or add a waypoint at this time.

- Set the destination without making any further changes. See "Getting Started on Your Route" later in this section for more information on your choices once a destination has been entered.
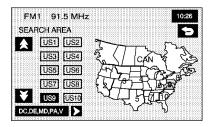
This menu has two pages. To view the second page, press the 1/2 arrow button.



### Region

The ENTER DESTINATION screen displays a map of the United States and a part of Canada divided into 11 regions.

Before selecting a destination entry method, review the search area map to make sure your destination is located in the highlighted region.
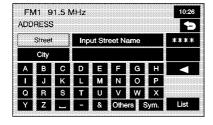


1. Touch the Region screen button from the ENTER DESTINATION screen to see a list of states included in the highlighted region, or to change the region. The SEARCH AREA screen displays.

2. Touch the numbered screen button to the left of the search area map that corresponds with the numbered region you wish to select or to view a list of states included in that region.

3. Touch the down arrow to the left of the search area map to select CAN (Canada). Once the region has been selected, the region is highlighted on the map.

4. Touch the back key to return to the ENTER DESTINATION screen.

**Address**

The address destination entry method lets you enter an address by providing the system with a street name or city.



⊞ **Address:** Touch this screen button to access the ADDRESS screen. Enter the address one of two ways: street first or city first.

To enter the street name first:

1. Touch the Street screen button from the address menu and start entering the street name using the alpha keypad. A list of five or fewer available street names automatically display. Select the List screen button at any time to view the available street names. The box at the end of the Street entry field contains the number of street names available in the current generated list.

2. Select the desired street name with the correct designation (Dr., Ln., St., etc.) from the list.

3. If the system determines that the street is found in only one city within the search area, that city automatically is selected.

If there is more than one city, the system displays the list of cities that have a street with that name. Select a city from the list or select the Input Name screen button to enter the city name.

4. The house number screen displays, enter the house number using the numeric keypad.

5. Once the correct house number is selected, press the OK screen button.

A map screen appears with the destination marked.

6. Select the ◉ (destination) symbol screen button.

7. Select the Guide screen button.

See "Getting Started on Your Route" later in this section for more information.
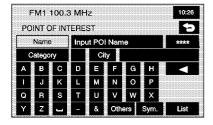
To enter the city name first:

1. Touch the City screen button.

2. Select from the choices shown on the city screen: Any City, 5 Nearest Cities, Input City Name, or from the Last 5 Cities used.

   • Any City — The system requests input of a street name, then generate a list of all cities containing that street name. Select a city from the list.

   • 5 Nearest Cities — The system displays a list of five cities closest to your vehicle's current position. Select a city from the list.

   • Input City Name — The keypad displays for entering the city name. Enter the city name and then select the city from the list.

   • Last 5 Cities — The city names of the last five cities that were stored as a previous destination displays. Select a city from the list.

3. The screen to input the street name and house number displays. Input the street name using the alpha keypad. A list of available street names display if there are less than five street names available. Select the List screen button at any time to view the available street names. The box at the end of the Street entry field contains the number of street names available in the current generated list.

4. Select the desired street name with the correct designation (Dr., Ln, St., etc.) from the list.

5. The house number screen displays, enter the house number using the numeric keypad.

   Once the correct house number is selected, a map screen appears with the destination marked.

6. Select the ◉ (destination) symbol screen button.

7. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

## Point of Interest (POI)

The Point of Interest (POI) destination entry method lets you select a destination from the POI list.



**Point of Interest:** Touch this screen button from the ENTER DESTINATION screen to access the POINT OF INTEREST screen. This screen has three options to select/input the destination.

Either enter the name of the POI using the alpha keypad, select a category from the category list, or select the city by selecting the City screen button.

To input the POI name:

1. Use the alpha keypad to enter the POI name.

   Touch Sym. (symbol) to select symbols and numbers for the POI, touch Others to select special characters for the POI, or touch A - Z to return to the alpha keypad.
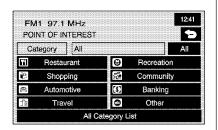
   A list of POIs appear using the information from the alpha keypad input. A list of available POIs display when there are less than five POIs available. Touch the List screen button at any time to view the available POIs.

2. Select the desired POI from the list.

3. If the system determines that the POI is found in only one city within the search area that city automatically is selected.

   If there is more than one city, the system displays the list of cities that have a POI with that name. Select a city from the list or select the Input Name screen button to input the city name.

   Once all of the information is selected, a map screen appears with the destination marked.

4. Select the ◉ (destination) symbol screen button.

5. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

FM1 97.1 MHz 12:41
POINT OF INTEREST
Category | All | All
🏨 Restaurant | 🕐 Recreation
🛍 Shopping | 🏛 Community
🚗 Automotive | 🏦 Banking
🏬 Travel | 🌐 Other
All Category List

To select a POI from a category:

1. Touch the Category screen button from the POINT OF INTEREST screen to view a list of POI categories.

2. Select a category, and then a sub-category.

3. The system displays available POIs in the selected sub-category or if the list is too long the system displays the alpha keypad.

4. If the alpha keypad is displayed, input the POI name until a list of available POIs appear.

5. Select the POI from the list.

6. If the system determines that the POI is found in only one city within the search area that city automatically is selected.

   If there is more than one city, the system displays the list of cities that have a POI with that name. Select a city from the list or select the Input Name screen button to enter the city name.

   Once all of the information is selected, a map screen appears with the destination marked.

7. Select the ◉ (destination) symbol screen button.

8. Select the Guide screen button.

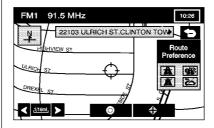   See "Getting Started on Your Route" later in this section for more information.

To select a POI by entering a city name:

1. Select the City screen button, then select: Any City, 5 Nearest Cities, Input City Name, or from the Last 5 Cities used.

   • Any City — The system requests input of a POI name, then generate a list of all cities containing that POI name. Select a city from the list.

   • 5 Nearest Cities — The system displays a list of five cities closest to your vehicle's current position. Select a city from the list.

   • Input City Name — The keypad displays for entering the city name. Enter the city name and then select the city from the list.

   • Last 5 Cities — The city names of the last five cities that were stored as a previous destination displays. Select a city from the list.

2. Use the alpha keypad to enter the POI name.

   Touch Sym. (symbol) to select symbols and numbers for the POI, touch Others to select special characters for the POI, or touch A - Z to return to the alpha keypad.

3. A list of POIs appear using the information from the alpha keypad input. A list of available POIs display when there are less than five POIs available. Touch the List screen button at any time to view the list of available POIs.

4. Select the desired POI from the list.

   A map screen appears with the destination marked.

5. Select the ◉ (destination) symbol screen button.

6. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

**Map**

The map destination entry method lets you select a destination by scrolling on the map.
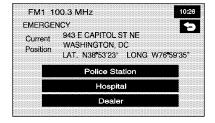


**⌖ Select from Map:** Touch this screen button from the ENTER DESTINATION screen to enter the map destination entry method, then do the following:

1. Touch the map for the desired area of the destination.

2. Use the zoom in/out function to view the direction of the desired area.

3. Pressing/holding and dragging on the map activates fast scrolling. Press/touch once on the area where the current position mark should be moved.

   Once the scroll symbol is on the location, the address information displays on the map screen.

4. Select the ◉ (destination) symbol screen button.

5. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

**Emergency**

The emergency destination entry method allows a destination to be entered from three categories: Police Station, Hospital, or Dealer.



⚠ **Emergency:** Touch this screen button from the ENTER DESTINATION screen to access the EMERGENCY screen. The system displays the address, longitude, and latitude information of the vehicle's current position.

To use this destination entry method, do the following:

1. Select a category. A list of destination(s) display with the name of the destination and the distance from the vehicle's current position.

2. Select a destination point from the list. Touch Name Sort to sort the list by name, or Dist Sort to sort the list by distance from the vehicle's current position.
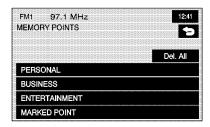
   After selecting a destination from the list, a map screen appears with the destination marked.

3. Select the ◉ (destination) symbol screen button.

4. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

**Memory Points**

The memory points destination entry method allows selection of a destination from a list of points that have been previously stored.

To store, edit, and delete memory points see *Stored Locations on page 46* for more information.
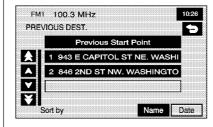


⚐ **Memory Point:** Touch this screen button from the DESTINATION ENTRY screen to access the MEMORY POINTS screen.

To use this destination entry method:

1. Select the category/folder in which the memory point has been stored. Select from PERSONAL, BUSINESS, ENTERTAINMENT, or MARKED POINT folders.

2. Sort the list by distance, icon, name or date stored.

3. Select the desired memory point.

   After selecting a memory point from the list, a map screen appears with the destination marked.

4. Select the ◉ (destination) symbol screen button.

5. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

### Previous Destination

The previous destination entry method lets you select a destination from a list of previous destination points.

```
FM1  100.3 MHz                        10:26
PREVIOUS DEST.                          ↩
              Previous Start Point
 ⏫  1 943 E CAPITOL ST NE. WASHI
 🔼  2 846 2ND ST NW. WASHINGTO
 🔽
 ⏬
      Sort by                    Name  Date
```

◉ **Previous Destination:** Touch this screen button from the ENTER DESTINATION screen to access the PREVIOUS DEST screen. The system stores up to 100 points that have been previously input. As new destinations are entered, the system automatically deletes the oldest destinations and add the new entries.

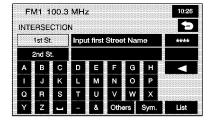To use the previous destination entry method:

1. Select a previous destination from the list. Use the Sort by Name/Date function as necessary. Also from this menu the previous start point option can be selected. This option is available while the vehicle is moving.

   To use the previous start point option from the PREVIOUS DEST screen, select the Previous Start Point screen button.

2. After selecting a destination from the list, a map screen appears with the destination marked.

3. Select the ◉ (destination) symbol screen button.

4. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

### Intersection

The intersection destination entry method allows two intersecting streets to be set as the destination.

FM1 100.3 MHz    10:26
INTERSECTION
1st St.    Input first Street Name    ****
2nd St.
A  B  C  D  E  F  G  H    ◀
I  J  K  L  M  N  O  P
Q  R  S  T  U  V  W  X
Y  Z  ␣  -  &  Others  Sym.  List

➕ **Intersection:** Touch this screen button from the ENTER DESTINATION screen to access the INTERSECTION screen.
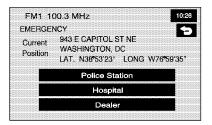
To use this destination entry method:

1. Enter the first of two streets in the intersection. A list of available street names display when there are less than five available. Touch the List screen button at any time to view the available street names.

2. Select a street from the list, or continue to spell the street name to further reduce the number of available street names.

3. After the first street has been selected, enter the second street name. The List button may again become available.

4. Select the second street from the list, or continue to spell the street name to further reduce the number of available street names.

   After both streets have been selected, a map screen appears with the destination marked.

5. Select the ◉ (destination) symbol screen button.

6. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

### Freeway Entrance/Exit

The freeway entrance/exit destination entry method lets you select a destination by entering a freeway entrance or exit point.
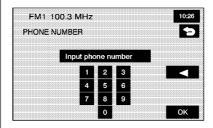
FM1 100.3 MHz    10:26
EMERGENCY
Current    943 E CAPITOL ST NE
Position    WASHINGTON, DC
LAT. N38°53'23"  LONG W76°59'35"
Police Station
Hospital
Dealer

➡ **Freeway Ent (Entrance)/Exit:** Touch this screen button from the ENTER DESTINATION screen to access the FREEWAY ENT/EXIT screen.

To use this destination entry method:

1. Enter the freeway name. Use abbreviations, such as I - 75, rather than spelling out Interstate.

   The system displays a list of freeways.

2. Select a freeway from the list, and select whether you want an entrance point or an exit point.

   Select an exit/entrance point from the list or input the point by name. Sort the list by name or by distance.

   After selecting a point from the list, a map screen appears with the destination marked.

3. Select the ◉ (destination) symbol screen button.

4. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

## Phone Number

The phone number destination entry method lets you select a destination by entering a phone number. The phone number must be in the list of POIs that is contained on the map DVD for the system to retrieve the destination.
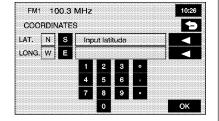
```
FM1 100.3 MHz                    10:26
PHONE NUMBER                        ⤶

            Input phone number

                  1   2   3
                               ◀
                  4   5   6

                  7   8   9

                      0          OK
```

**Phone Number:** Touch this screen button from the ENTER DESTINATION screen to access the PHONE NUMBER screen.

To use this destination entry method:

1. Input the phone number of a POI using the numeric keypad.

   If the phone number can be found on the map DVD, a map screen appears with the destination marked. If the phone number is dependent on the area code, a list of POIs appear to select from. Once a POI is selected, a map screen appears with the destination marked.

2. Select the ◉ (destination) symbol screen button.

3. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

## Coordinates

The coordinates destination entry method lets you select a destination by entering latitude and longitude coordinates.

```
FM1  100.3 MHz                    10:26
COORDINATES                         ↩
LAT.  N  S    Input latitude         ◄
LONG. W  E                           ◄
              1  2  3  °
              4  5  6  '
              7  8  9  "
                 0            OK
```

⊕ **Coordinates:** Touch this screen button from the ENTER DESTINATION screen to access the COORDINATES screen.

To use this destination entry method:

1. Touch N (North) or S (South) next to LAT (latitude) to enter the direction of the latitude coordinate.

2. Input the numeric portion of the latitude coordinate using the keypad.

3. Touch E (East) or W (West) next to LONG (longitude) to enter the direction of the longitude coordinate.

4. Input the numeric portion of the longitude coordinate using the keypad.

5. Once both coordinates are entered, touch the OK screen button.

   A map screen appears with the destination marked.

   If the coordinates are outside of the coverage area on the map, a message that there is no information on that location displays.

6. Select the ◉ (destination) symbol screen button.

7. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

**Preset Destination**

The preset destination entry method lets you set a destination by choosing from one of five previously stored destinations. Besides home, these are the only destinations available to set while the vehicle is moving.

To store, edit, or delete a preset destination, see "Destination & Way Point" under *Stored Locations on page 46*.

To use this destination entry method:

1. Select a preset destination number button from the ENTER DESTINATION screen. The screen buttons are located on the bottom of the screen.

   A map screen appears with the destination marked.

2. Select the ◉ (destination) symbol screen button.

3. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.

**Home**

This feature lets you plan a route to one previously stored destination that you have selected as a home. If a home destination is not stored, the home button is not available. Besides preset destinations one through five, this destination is the only other one that can be set by voice recognition while the vehicle is moving.

To store, edit, or delete a home location, see *Stored Locations on page 46* for more information.
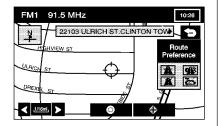
🏠 **(Home):** Touch this screen button from the ENTER DESTINATION screen to set a home destination.

To use this destination entry method:

1. Touch the Home button from the ENTER DESTINATION screen.

2. The system then sets your preset home destination as the current destination. To store a preset home destination, see *Stored Locations on page 46* for more information.

   A map screen appears with the destination marked.

3. Select the ◉ (destination) symbol screen button.

4. Select the Guide screen button.

   See "Getting Started on Your Route" later in this section for more information.
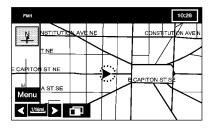
### Getting Started on Your Route

Once a destination has been entered, choose from these options:



⦿ **(Destination):** Touch this button to set the entered destination as it is, without further adjustment.

✛ **(Waypoint):** Touch this button to enter this point as a waypoint along the route. This feature lets you enter up to five stops on the way to your destination. See "Dest. & Way Pt. (Destination & Way Point)" under *Stored Locations on page 46* for more information about adding and deleting waypoints.
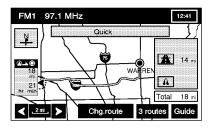
**Route Preference:** Touch this screen button to access the ROUTE PREFERENCES screen to adjust the route preferences. The current setting is displayed in the Route Preference section of the map screen. See "Route Pref." under *Route Options on page 60* for more information.



Once the route preferences have been set, the system displays the map screen.

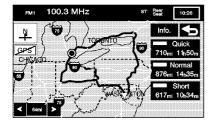After selecting the ⦿ (destination) symbol, the following screen buttons become available.



**Chg. (Change) Route:** Touch this screen button to go to the Route Options menu. See *Route Options on page 60* for more information.

**Guide:** Touch this screen button to start route and voice prompt guidance.
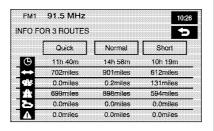
**Three Routes**

The 3 routes screen gives you a selection of selecting three different routes to get you to your destinations. To use the 3 routes option:

1. Select the 3 routes button on the map screen.

The system calculates up to three different versions of your current route in three different colors: Quick, Normal, and Short.

The routes are shown with distance to destination and estimated travel time, or select the Info screen button to access the INFO FOR 3 ROUTES screen. From this screen, you can view the following information:
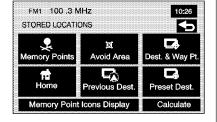
- ⊕ (Estimated Travel Time) — Shows the route's estimated time of travel.

- ⟷ (Straight-Line Distance) — Shows the route's straight-line distance to destination.

- 🔞 (Toll Road) — Shows the distance traveled on toll roads.

- 🛣 (Freeway Travel) — Shows the distance traveled on freeways.

- 🛳 (Ferry) — Shows the distance traveled by ferry.

- △ (Time Restricted Roads) — Shows the distance traveled on time-restricted roads.

2. Select the Quick, Normal, or Short screen button.

   A map screen appears with the destination marked.

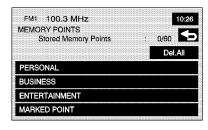3. Select the Guide screen button to start route and voice guidance.

## Stored Locations

Select the ⚓ Stored Locations screen button from the NAV. MENU to access the STORED LOCATIONS screen. From this screen, you can access the following options:

| FM1  100 .3 MHz | | 10:26 |
|---|---|---|
| STORED LOCATIONS | | ↰ |
| ⚓ Memory Points | ⨉ Avoid Area | ⌸ Dest. & Way Pt. |
| ⌂ Home | ⌸ Previous Dest. | ⌸ Preset Dest. |
| Memory Point Icons Display | | Calculate |

### Memory Points

⚓ **Memory Points:** This feature can store memory points in these four categories: Personal, Business, Entertainment, and Marked Point. The category names can be changed.

| FM1   100.3 MHz | 10:26 |
|---|---|
| MEMORY POINTS | |
| Stored Memory Points     :  0/60 | ↰ |
| | Del.All |
| PERSONAL | |
| BUSINESS | |
| ENTERTAINMENT | |
| MARKED POINT | |

To store a point:

1. Touch the Memory Points screen button from the STORED LOCATIONS screen.

2. Select one of the folders/categories listed.

3. Select the Add screen button.

4. Select the desired method of entering a destination to enter the memory point. See *Enter Destination on page 32* for more information.

A map screen appears displaying the selected memory point location.

5. If available, touch the INFO button to view the address information of the selected point.

6. Touch OK to store the point as a memory point.

To edit the name of a stored point:

1. Touch the Memory Points screen button from the STORED LOCATIONS screen.

2. Select the folder/category that the memory point exists in.

3. Select the List screen button.

4. Select the memory point to edit. Use the sort feature to sort by distance, icon, name, or date as needed.

5. Touch the Name screen button from the EDIT MEMORY POINT screen.

6. Use the backspace screen button to delete the current name or use the alpha keypad to make changes.

   Select the Show Name On screen button to have the name of the point appear on the map screen.

7. Touch the back screen button to store the change.

To change the icon associated with a memory point:

1. Touch the Memory Points screen button from the STORED LOCATIONS screen.

2. Select the folder/category that the memory point exists in.

3. Select the List screen button.

4. Select the memory point to edit. Use the sort feature to sort by distance, icon, name, or date as needed.

5. Touch the Icon screen button from the EDIT MEMORY POINT screen.

6. Select the desired icon. There are two pages (52) icons, six icons that have sounds associated with them, and a No Icon button to select from.

   Select the With Sound screen button, and the sound icons display. To hear the sound of the icon, touch the Sound screen button next to each icon. If the sound icons are used, the associated sound is heard when the vehicle is approximately 650 ft (200 m) from the memory point.

   Select the No Icon screen button to not have an icon associated with the point.

   The new icon displays in the EDIT MEMORY POINT screen, next to the Icon screen button.

7. Touch the back screen button to store the change.

To move the memory point from one folder/category to another:

1. Touch the Memory Points screen button from the STORED LOCATIONS screen.

2. Select the folder/category that the memory point currently exists in.

3. Select the List screen button.

4. Select the memory point to edit. Use the sort feature to sort by distance, icon, name, or date as needed.

5. Touch the Category screen button from the EDIT MEMORY POINT screen.

6. Touch the new folder/category button you want to move the memory point to.

   The system displays a message confirming the move.

To modify the position of the stored point:

1. Touch the Memory Points screen button from the STORED LOCATIONS screen.
2. Select the folder/category that the memory point exists in.
3. Select the List screen button.
4. Select the memory point to edit. Use the sort feature to sort by distance, icon, name, or date as needed.
5. Touch the Position screen button from the EDIT MEMORY POINT screen.

   The system displays the map screen with the destination marked.
6. Touch the map to move the position of the memory point.
7. Touch OK when you have moved the memory point to the appropriate location.

8. The system returns to the EDIT MEMORY POINT screen and displays the new address, longitude, and latitude for the changed memory point.

To change the phone number of a memory point:

1. Touch the Memory Points screen button from the STORED LOCATIONS screen.
2. Select the folder/category that the memory point exists in.
3. Select the List screen button.
4. Select the memory point to edit. Use the sort feature to sort by distance, icon, name, or date as needed.
5. Touch the Tel. (telephone) screen button from the EDIT MEMORY POINT screen.
6. Use the numeric keypad to change the phone number.
7. Touch OK to store the changed phone number.

To delete a memory point:

1. Touch the Memory Points screen button from the STORED LOCATIONS screen.
2. Select the folder/category that the memory point exists in.
3. Select the Delete screen button.
4. Select the memory point to delete from the DELETE POINT screen. Use the sort feature to sort by distance, icon, name or date as needed.
5. The system displays the map screen with the position address and a pop-up confirmation message. Select Yes to delete the point; select No to return to the DELETE POINTS screen and not delete the point.

To delete all of the memory points
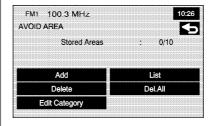in a folder/category:

1. Touch the Memory Points screen
   button from the STORED
   LOCATIONS screen.
2. Select the desired folder/
   category.
3. Select the Del.All screen button.
4. The system displays a pop-up
   confirmation message. Select
   Yes to delete all the points in
   the folder/category; select No to
   cancel the operation.

To change the name of the
folder/category:

1. Touch the Memory Points screen
   button from the STORED
   LOCATIONS screen.
2. Select the desired folder/
   category.
3. Select the Edit Category screen
   button.
4. Use the alpha keypad to change
   the name of the folder/category.
5. Touch the OK screen button to
   save the changes.

**Avoid Area**

⊠ **Avoid Area:** This feature lets
you store an area to be avoided
while planning a route. Up to
10 points can be stored.

```
FM1  100.3 MHz                    10:26
AVOID AREA                         ⬅
            Stored Areas      :   0/10

          Add              List
          Delete           Del.All
        Edit Category
```

To store an avoid area point:

1. Touch the Avoid Area screen
   button from the STORED
   LOCATIONS screen.
2. Touch the Add screen button
   from the AVOID AREA screen.

3. Select the desired method of
   entering a destination to enter
   the memory point. See *Enter
   Destination on page 32* for more
   information. A map screen
   appears displaying the selected
   memory point location.
4. If desired, reduce or enlarge the
   area around the point you want
   to avoid by using the Reduce
   or Enlarge screen buttons.

   It is recommended that when
   avoiding locations on freeways,
   you reduce the avoid area to
   the minimum scale. This
   produces an X on the map rather
   than a box. This ensures that
   the system knows you want
   to avoid the freeway itself, not
   necessarily the area around
   the freeway.
5. Touch OK to store the area.

To change the name of the point to be avoided:

1. Touch the Avoid Area screen button from the STORED LOCATIONS screen.
2. Touch the List screen button from the AVOID AREA screen.
3. Select the point to be changed.
4. Touch the Name screen button.
5. Use the alpha keypad to add or to change the name.

   Select the Show Name On screen button to have the name of the point appear on the map screen.
6. Touch the OK screen button to save the changes.

To change the position of the point to be avoided:

1. Touch the Avoid Area screen button from the STORED LOCATIONS screen.
2. Touch the List screen button from the AVOID AREA screen.
3. Select the point to be changed.
4. Touch the Position screen button.
5. Touch the map to move the location.
6. If desired, reduce or enlarge the area around the point you want to avoid by using the Reduce or Enlarge screen buttons.
7. Touch OK to store the area.

To delete a point to be avoided:

1. Touch the Avoid Area screen button from the STORED LOCATIONS screen.
2. Touch the Delete screen button from the AVOID AREA screen.
3. Select the point to delete. Use the scrolling arrows as needed.
4. The system displays the map screen with the name of the point and a pop-up confirmation message. Touch Yes to have the point deleted; touch No to cancel the function.

To delete all of the points to be avoided:

1. Touch the Avoid Area screen button from the STORED LOCATIONS screen.
2. Touch the Del.All screen button from the AVOID AREA screen.
3. The system displays a pop-up confirmation message. Touch Yes to have all of the points deleted; touch No to cancel the function.

**Destination & Waypoint**

**⮥ Dest. & Way Pt. (Destination & Waypoint):** Waypoints are destinations that can be added to your route before reaching the final destination. Waypoints can be added before or after entering a final destination. Waypoints that were entered prior to setting a final destination, will delete if a final destination has not been entered. Up to five points can be stored as waypoints.

To add a waypoint:

1. Touch the Dest. & Way Pt. screen button from the STORED LOCATIONS screen.

2. Touch the Add screen button from the DEST. & WAY POINT screen.

3. Using the desired method of entering a destination, enter the way point. See *Enter Destination on page 32* for more information.

   A map screen appears with the way point marked.

4. Select the ⊕ (Way point) symbol on the map screen to save the way point.

5. Repeat Steps 2 - 6 to add up to five way points to your route. After the first waypoint has been saved, the ADD WAY POINT screen appears and the waypoint is on the screen. The second through the fifth waypoint does not appear

on the ADD WAY POINT screen until the ADD button, next to the corresponding waypoint row, is pressed. After the ADD button has been pressed, the system returns to the STORED LOCATIONS screen.

To change the order of the waypoints:

1. Touch the Dest. & Way Pt. screen button from the STORED LOCATIONS screen.

2. Touch the List screen button from the DEST. & WAY POINT screen.

3. From the CHANGE ORDER screen, select on the addresses, in the order you would like them to fall on the route. After selecting the address line, a number, indicating the order, appears next to the corresponding row.

4. Select OK to save the changes. The system returns to the STORED LOCATIONS screen.

To change the location of a way point:

1. Touch the Dest. & Way Pt. screen button from the STORED LOCATIONS screen.

2. Touch the List screen button from the DEST. & WAY POINT screen.

3. Touch the Chg. Loc. screen button from the CHANGE ORDER screen.

4. From the CHANGE LOCATION screen, select the address of the location to change. A map screen displays with the destination marked.

5. Touch on the map to move the location of the waypoint.

6. Touch the OK screen button to save the changes. The system returns to the STORED LOCATIONS screen.

To delete a way point from the current route:

1. Touch the Dest. & Way Pt. screen button from the STORED LOCATIONS screen.

2. Touch the Delete screen button from the DEST. & WAY POINT screen.

3. Select the way point/destination to delete.

4. The system displays a pop-up confirmation message. Choose Yes to delete the way point; touch No to cancel this operation.
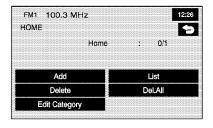
To delete all of the way points on the route:

1. Touch the Dest. & Way Pt. screen button from the STORED LOCATIONS screen.

2. Touch the Del.All screen button from the DEST. & WAY POINT screen.

3. The system displays the map screen with a pop-up confirmation message.

Choose Yes to delete all of the way points; touch No to cancel this operation.

**Home**

🏠 **Home:** This feature lets you store, delete, and edit a home point destination.

```
FM1  100.3 MHz              12:26
HOME                         ⤺
                  Home  :  0/1

        Add              List
        Delete           Del.All
     Edit Category
```

To store the home destination:

1. Touch the Home screen button from the STORED LOCATIONS screen.

2. Select the Add screen button.

3. Select a destination entry method from the SET HOME screen. See *Enter Destination on page 32* for more information.

4. Set the destination and touch OK.

5. Touch OK on the map screen and the destination stores. The home icon now is highlighted on the ENTER DESTINATION screen.

To edit the home destination, do the following:

1. Touch the Home screen button from the STORED LOCATIONS screen.

2. Select List from the HOME screen to change the location.

3. Touch the map to move the location of the point.

4. Touch OK to save the change.

To delete the home point:

1. Touch the Home screen button from the STORED LOCATIONS screen.
2. Select Delete from the HOME screen.
3. The system displays the map screen with a pop-up confirmation message. Select Yes to delete the stored home position; select No to cancel the operation.

**Previous Destination**

⌨ **Previous Dest. (Previous Destination):** The system automatically stores up to 100 points that have been previously entered. As new destinations are entered, the system automatically deletes the oldest destinations and adds the new entries. See *Enter Destination on page 32* for more information.

To delete a specific destination from the previous destinations list:

1. Touch the Previous Dest. screen button from the STORED LOCATIONS screen.
2. Touch the Delete screen button.
3. Select a destination from the list.
4. The system displays the map screen with a pop-up confirmation message. Select Yes to delete the stored destination; select No to cancel the operation.

To delete all destinations from the previous destinations list:

1. Touch the Previous Dest. screen button from the STORED LOCATIONS screen.
2. Touch the Del.All screen button.
3. The system displays the map screen with a pop-up confirmation message. Select Yes to delete all of the stored destinations; select No to cancel the operation.

**Preset Destination**

⌨ **Preset Dest. (Preset Destination):** This feature lets you store up to five preset destinations. These destinations are stored on the numbered buttons shown on the bottom of the ENTER DESTINATION screen.

To store a preset destination:

1. Touch the Preset Dest. screen button from the STORED LOCATIONS screen.
2. Select Add to add a preset destination, then select the numbered preset button for the destination to appear as.
3. Select a destination entry method from the STORE PRESET DEST. screen. See *Enter Destination on page 32* for more information.
4. Set the destination and touch OK.
5. Touch OK on the map screen and the destination stores. The preset destination number is now highlighted on the ENTER DESTINATION screen.

To edit the name of a preset destination:

1. Touch the Preset Dest. screen button from the STORED LOCATIONS screen.

2. Select the List screen button.

3. Select the preset destination to edit.

4. Touch the Name screen button and use the alpha keypad to edit or add the name.

   Select the Show Name On screen button to have the name appear on the map screen.

5. Touch the OK screen button to save the change.

   The new name displays.

To change the position of a preset destination, do the following:

1. Touch the Preset Dest. screen button from the STORED LOCATIONS screen.

2. Select the List screen button.

3. Select the preset destination to change.

4. Touch the Position screen button from the EDIT PRESET DEST. screen. The system displays the map screen with the destination marked.

5. Touch the map to move the position of the memory point.

6. Touch the OK screen button to save the change.

To add or change the phone number of a preset destination:

1. Touch the Preset Dest. screen button from the STORED LOCATIONS screen.

2. Select the List screen button.

3. Select the preset destination to change.

4. Touch the Tel. (telephone) screen button and use the numeric keypad to enter or change the phone number.

5. Touch the OK screen button to save the change.

To delete a preset destination:

1. Touch the Preset Dest. screen button from the STORED LOCATIONS screen.

2. Select the Delete screen button.

3. Select the memory point to delete from the DELETE PRESET DEST. screen.

4. The system displays the map screen with the position address and a pop-up confirmation message. Select Yes to delete the point; select No to cancel the operation and to return to the DELETE PRESET DEST. screen.

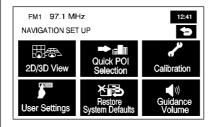To delete all of the preset destinations:

1. Touch the Preset Dest. screen button from the STORED LOCATIONS screen.
2. Select the Del.All screen button.
3. The system displays a pop-up confirmation message. Select Yes to delete all of the preset destinations; select No to cancel the operation.

**Memory Point Icons Display:** Select this screen button to display memory point icons on the map. The button is highlighted when the memory point icons are being displayed on the map.

**Calculate:** Touch this button to calculate your route. This button is available after a destination has been set.

## Navigation Set Up

```
FM1   97.1 MHz                    12:41
NAVIGATION SET UP

2D/3D View   Quick POI      Calibration
             Selection
User Settings  Restore      Guidance
             System Defaults  Volume
```
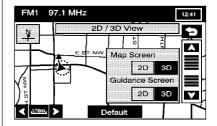
Select the MENU screen button to access the NAV. MENU screen.

**Navigation Set Up:** Touch this screen button from the NAV. MENU screen to access the NAVIGATION SET UP screen. Several system options are available for adjustment.

## Two-Dimensional/Three-Dimensional (2D/3D) View

**2D/3D View:** Touch this screen button from the NAVIGATION SET UP screen. This feature lets you change the view of the map between a 2-dimensional and 3-dimensional view.

```
FM1   97.1 MHz                    12:41
            2D / 3D View

                    Map Screen
                     2D   3D
                    Guidance Screen
                     2D   3D
  1/16mi.         Default
```

**Map Screen 2D/3D:** Changes the view of all map screens.

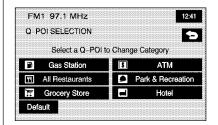**Guidance Screen 2D/3D:** Changes the view of the map screen while driving during route guidance.

**▲ / ▼ (Scroll Arrows):** Select the up or down arrows to tilt the view of the map screen.

**◄ (Back):** Select to save the changes.

**Default:** Press to cancel your changes and go back to the default settings (2D and 2D).

**Quick POI Selection**

**➡ 🔳 Quick POI Selection:** This feature lets you select the POI categories you want available on the Quick POI (Q-POI) screen.

```
FM1  97.1 MHz                    12:41
Q-POI SELECTION                    ↩
       Select a Q-POI to Change Category
  🔳  Gas Station      🔳  ATM
  🔳  All Restaurants  🔳  Park & Recreation
  🔳  Grocery Store    🔳  Hotel
  Default
```

To replace the default POI categories on the Quick POI (Q-POI) screen:

1. Select the ➡ 🔳 Quick POI Selection screen button from the NAVIGATION SET UP menu. This screen displays the list of POI categories.

2. Select the POI category that you would like to change. The category to change displays with the list of categories to select from.
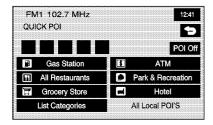
Select the All Category List screen button to display all categories and sub-categories.

3. Select a different POI category. The POI category icon to change is replaced with the new POI category icon at the top of the screen. This POI is now available on the Q-POI screen.

**Quick POI**

Once categories have been selected on the Q-POI SELECTION screen, the POI categories are now available on the Quick POI screen. From this screen you can select the POI icons that you would like to display on the map screen. You can either select a POI for a final destination or as a waypoint. The Quick POI screen is available when the scale is ½ mile (1 km) or less.

**POI**

To use the QUICK POI screen, select the POI screen button from the map screen.

| FM1 102.7 MHz | 12:41 |
|---|---|
| QUICK POI | ↩ |
| ■ ■ ■ ■ | POI Off |
| 🅿 Gas Station | 🏧 ATM |
| 🍴 All Restaurants | 🎄 Park & Recreation |
| 🛒 Grocery Store | 🏨 Hotel |
| List Categories | All Local POI'S |

The POI categories that were selected on the Q-POI SELECTION screen display.

To have the POI icons appear on the map screen, select the POI category. The POI category icon displays at the top of the screen.

**List Categories:** Select this screen button to display more categories to select from.

**All Local POIs**

1. Select this screen button to select a POI as a destination. A list of all of the local POIs within a 5 mi. (8 km) radius of your vehicle's current position will display. This list is generated from the POI categories that have been selected and appear at the top of the QUICK POI screen.

   Use the Sort by Dist. (distance), Icon, Name, or Route screen buttons. Use the up and down scroll arrow screen buttons to scroll through the list.

2. Select the POI. The map screen displays with the scroll symbol around the selected POI.

The name and the POI information will also display on the map screen.

3. Select the ◉ (destination) symbol screen button.

4. Select the Guide screen button.

   See "Getting Started on Your Route" for more information.

**All Category List:** This screen button appears once the List Categories screen button has been selected. Press this screen button to display a list of sub-categories.

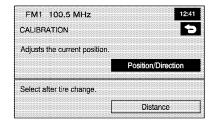**Show:** Select this screen button to display the map screen.

**Delete:** To delete a category, do one of the following:

• To delete the last added POI category, select the Delete screen button.

• To delete a specific POI category, select that POI category from the list.

**POI Off:** Select this screen button to delete all of the POI categories in the list.

### Calibration

✔ **Calibration:** Touch this screen button from the NAVIGATION SET UP screen. This feature lets you recalibrate the navigation system.

| FM1 100.5 MHz | 12:41 |
| --- | --- |
| CALIBRATION | ⤺ |
| Adjusts the current position. | |
| | Position/Direction |
| Select after tire change. | |
| | Distance |

The Calibration screen, lets the adjustment of your vehicle's position or the vehicle speed signal.

To correct the position of your vehicle on the map (for example, if your vehicle has been shipped) or to change to the current position.

1. Select the Position/Direction screen button.

   The map screen displays with the vehicle's current position.

2. To change the vehicle's position, touch the map screen.

   Use the zoom in/out function to view the direction of the desired area.

   Pressing/holding and dragging on the map activates fast scrolling. Press/touch once on the area where the current position mark should be moved.

3. Touch the OK screen button once the vehicle is in the current position.

   If a route had already been set, the map screen displays, select Guide to change your route to the vehicle's new position.
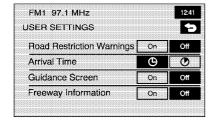
Once the process of changing the vehicle's current position is complete, the map screen displays with rotate arrow screen buttons around the vehicle.

4. To change the direction of your vehicle, press either arrow screen button to turn the vehicle to the correct direction.

5. Once the vehicle is facing the correct direction, select the OK screen button.

See *Problems with Route Guidance on page 75* for more information.

If there are tire pressure differences or a spare tire is installed, the system automatically re-calibrates the system but it may take longer. To calibrate the vehicle speed signal, touch the Distance screen button. See *Vehicle Positioning on page 74* for more information.

## User Settings

**User Settings:** Touch this screen button from the NAVIGATION SET UP screen. This feature allows several route options to be turned on or off.

```
FM1 97.1 MHz                    12:41
USER SETTINGS                    ⬑
Road Restriction Warnings   On   Off
Arrival Time                 ⏲    ⏱
Guidance Screen             On   Off
Freeway Information         On   Off
```

From this screen, adjust the following:

**Road Restriction Warnings:** Instructs the system to notify you when the current route has traffic restrictions.

**Arrival Time ⏲ (Time of Arrival):** Displays the estimated time of arrival to the destination.

**Arrival Time ⏱ (Time to Destination):** Displays the amount of drive time estimated to arrive at the destination.
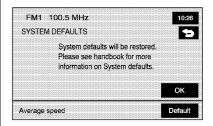
**Guidance Screen:** Turns the guidance screen on and off.

**Freeway Information:** Displays freeway exit information. This is only available on freeways during route guidance.

## Restore System Defaults

**Restore System Defaults:** Select this feature from the NAVIGATION SET UP screen to change all adjustable system settings to factory defaults.

```
FM1 100.5 MHz                   10:26
SYSTEM DEFAULTS                  ⬑
     System defaults will be restored.
     Please see handbook for more
     information on System defaults.

                                  OK
Average speed                Default
```
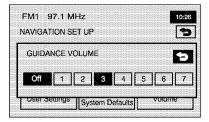
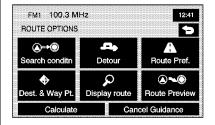**OK:** Select this screen button to restore the system defaults.

**Average Speed Default:** Select this option to set the average speed to default. The system monitors the speed on different roads and updates the vehicle's average speed. This average speed is used to calculate the time it takes to reach the destination when a route is set.

### Guidance Volume

🔊 **Guidance Volume:** This feature lets you adjust the volume of voice guidance prompts. Select Off to turn voice guidance prompts off.
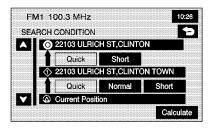
FM1 97.1 MHz    10:26

NAVIGATION SET UP

GUIDANCE VOLUME

Off  1  2  **3**  4  5  6  7

User Settings   System Defaults   Volume

## Route Options

FM1 100.3 MHz    12:41

ROUTE OPTIONS

Search conditn | Detour | Route Pref.
Dest. & Way Pt. | Display route | Route Preview
Calculate | | Cancel Guidance

Select Route Options from the NAV. MENU screen to access the ROUTE OPTIONS screen. This menu has many features to customize route guidance. A route must first be set to use these features. See *Enter Destination on page 32* for more information on entering a destination.

### Search Condition

**Ⓐ⋯◎ Search Condition (Search Condition):** This feature accesses the SEARCH CONDITION screen.

FM1 100.3 MHz    10:26

SEARCH CONDITION

◎ 22103 ULRICH ST,CLINTON
Quick | Short
◇ 22103 ULRICH ST,CLINTON TOWN
Quick | Normal | Short
⌂ Current Position
Calculate

The search condition screen lets you view your current destination and to change the planning methods between each destination. Each distance between waypoints and final destination can have an individual setting.
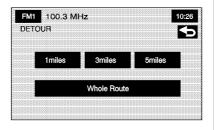
▲ / ▼ **(Scroll Arrows):** Use the up and down arrows to scroll through each route.

**Quick/ Normal/Short:** Select one of the route preference options to change the planning method.

**Calculate:** After selecting the new methods, select Calculate to plan the route with the changes. The map screen displays.

**Detour**

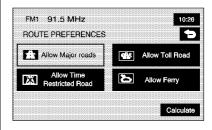🔜 **Detour:** Select a detour if there is construction work, or traffic delays that prevent the original route from being used.

FM1 100.3 MHz                    10:26
DETOUR                              ↰

| 1miles | 3miles | 5miles |

Whole Route

From this screen, you can select a 1 mile, 3 mile, or 5 mile detour or select to detour the whole route. After selecting the detour, the system calculates the alternate route andt he new route displays on the map screen.

**Route Preferences**

🔺 **Route Pref. (Route Preferences):** You can select to have certain types of roads/ferries included in your route. See "Getting Started on Your Route" under *Enter Destination on page 32* for more information.

FM1  91.5 MHz                    10:26
ROUTE PREFERENCES                  ↰

| 🔺 Allow Major roads | 🚗 Allow Toll Road |
| 🚫 Allow Time Restricted Road | 🚢 Allow Ferry |

Calculate

The following route preferences can be selected on or off:

🔺 **(Allow Major Roads):** This feature lets the system use expressways when calculating a route. If there is no way to reach your destination without using major roads, the system automatically includes major roads.

🚫 **(Allow Time Restricted Road):** This feature lets the system use time restricted roads when calculating a route. These are roads that may be closed during the winter season.

**ⓞⓢ (Allow Toll Road):** This feature lets the system use toll roads or pay roads when calculating a route.

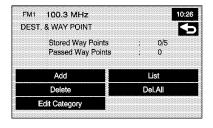**⇨ (Allow Ferry):** This feature lets the system use ferries when calculating a route.

**Calculate:** Select this screen button to update the changes in the current route. The map screen displays.

If any of these features are turned off, the button is dark and there is a red slash through the icon on the map screen.

Once the route preferences have been set, select the back button to return to the previous screen.

**Destination and Waypoint**

**⊕ Dest. & Way Pt. (Destination and Waypoint):** This feature lets you edit the selected destination and waypoints using this screen. See "Dest. and Way Pt. (Destination and Way Point)" under *Stored Locations on page 46* for information on storing destinations and waypoints.

| FM1  100.3 MHz | 10:26 |
|---|---|
| DEST. & WAY POINT | ↩ |
| Stored Way Points : 0/5 | |
| Passed Way Points : 0 | |
| Add | List |
| Delete | Del.All |
| Edit Category | |

Up to five waypoints and one destination can be entered. The following functions are available:

**Add:** This button accesses the Store Dest. & Waypoint screen. A waypoint can be added or the destination can be changed.

**List:** Touch this button to change the order of the stops in the route and to change the location of the stops.

**Delete/Del. All:** These buttons let you delete waypoints on the route or delete the entire route.

**Display route**

 **Display route:** Select this button from the ROUTE OPTIONS menu to view the entire route. The start point and destination, the time it takes to reach the destination, and distance, including the distance that is routed on each road type will display.



**Turn List:** Edit the route by selecting the Turn List screen button. A list of every turn on the route displays. With the turn list displayed, you can select to avoid streets/turns on the route.

**Avoid:** To avoid a street, select the Avoid screen button next to the turn. To cancel the avoided turn, select Avoid again to deselect it.
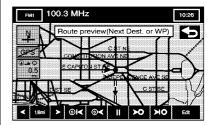
**Reroute:** After selections have been made, press the Reroute screen button to replan the route.

**Delete:** To cancel an avoided turn after the route has been replanned, press the Delete screen button. A list of all of the avoided turns display. Select the street that you want to add back to the route. A confirmation window displays. Select Yes to have the avoided street added back to the route. The Turn List screen displays.

**Del. All (Delete All):** To cancel all of the avoided turns after the route has been replanned, press the Delete screen button. A list of all of the avoided turns display. Select the Del. All screen button. A confirmation window displays. Select Yes to have all of the avoided streets added back to the route. The Turn List screen displays.

**Route Preview**

 **Route Preview:** Select this button from the ROUTE OPTIONS menu to preview the entire route in either direction and to edit the route.



Use the screen buttons at the bottom of the navigation screen to move through the route.

 **(Skip to Start Point):** Touch this screen button to skip backward to the start point, the previous waypoint, or the previous available POI, depending on the mode selected.
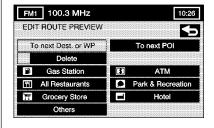
Ⓢ ◀ **(Scroll to Start Point):** Touch this screen button to start a smooth scroll of the route backwards to the start point, previous waypoint, or the previous available POI, depending on the mode selected. Touch this button again to increase the scroll speed.

**Ⅱ (Pause):** Touch this screen button to pause the smooth scroll. Push either scroll button ( Ⓢ ◀ ▶ ◉ ) to restart the scroll.

▶ ◉ **(Scroll to Destination):** Touch this screen button to start a smooth scroll of the route toward the destination, next waypoint or next available POI, depending on the mode selected. Touch this button again to increase the scroll speed.

▶| ◉ **(Skip to Destination):** Touch this screen button to skip forward to the destination, next waypoint or next available POI, depending on the mode selected.
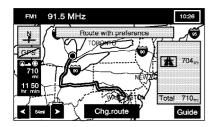
**Edit:** Touch this screen button to change the way the skip/scroll function operates. Select to have the skip/scroll go to the start point/destination or to the next available POI or waypoint.

| FM1 | 100.3 MHz | 10:26 |
| --- | --- | --- |
| EDIT ROUTE PREVIEW | | ⤶ |
| To next Dest. or WP | | To next POI |
| Delete | | |
| 🔳 Gas Station | | 🔳 ATM |
| 🔳 All Restaurants | | 🔳 Park & Recreation |
| 🔳 Grocery Store | | 🔳 Hotel |
| Others | | |

**To next Dest. (Destination) or WP (Waypoint):** Select this button to have the skip/scroll functions skip/scroll to the next destination or waypoint.

**To next POI:** To select this option, a POI category must be selected. Select this button to have the skip/scroll functions skip/scroll to the next available POI for the category. To change the POI category, touch the corresponding screen button next to the category. Touch the Delete screen button to have no POIs appear on the map. The default POIs are the same as those in the Quick POI group listing.

**Calculate:** Touch this screen button to calculate the route with the changes.

Once the route has been calculated, this screen displays. From this map screen, touch Guide to begin route guidance or touch Chg. route to return to the ROUTE OPTIONS screen.

**Cancel Guidance:** Touch this screen button to cancel the current route.

## Head-Up Display (HUD)

When a route is planned the Head-Up Display (HUD) will display information when the vehicle is approaching a turn. This information displays when the vehicle is 0.5 mi. (.80 km) away from a turn in residential areas and 2.0 mi. or 2.0 km away from a turn on freeways.

A. Directional Arrow — Displays the direction of the next turn.

B. Distance Bar — This will decrease as the vehicle approaches the turn.

C. Street Name Line — Displays the name of the street that you will be turning on.

D. Mile/Kilometer Scale — Indicates the scale of the distance bar. The scale is 0.5 mi. (.80 km) in residential areas and 2.0 mi. or 2.0 km on freeways. This value changes as you approach the turn.
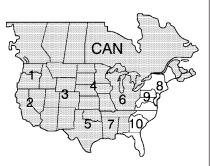
After completing a turn, the HUD displays the name and distance of the next street you are turning on for 10 seconds.

When HUD is displaying the turn-by-turn guidance information, the vehicle's shift lever gear does not display in the HUD. The gear displays on the Driver Information Center (DIC) screen. Once the destination has been reached or guidance is cancelled, the HUD displays the gear information again. See Head-Up Display (HUD) in the Index of your vehicle's owner manual for more information.
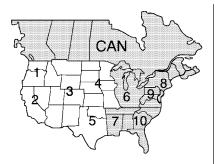
## Maps

This section includes basic information needed for the map database.

The maps are stored on a DVD-ROM. The 48 contiguous United States and portions of Canada are contained on two discs. To minimize the necessity of changing the discs, both map discs cover US6, US7, and Canada.



**West**



**East**

**Installing the DVD Map Disc**

Your dealer/retailer may have installed the map DVD. If the map DVD was not installed, do the following to load it:

Read the following steps completely before operating this feature.

1. Turn the ignition on.

2. Push the ⏏ (open/close faceplate) button and the faceplate opens.

3. Load the map DVD into the DVD slot by inserting it partway. The system pulls it in.

4. Wait until the DVD is loaded properly and then push the ⏏ (open/close faceplate) button to close the faceplate.

Once the map DVD is inserted correctly, the system displays the CAUTION screen.

**Agree:** Touch this screen button to proceed to the navigation system.

The map appears showing your current vehicle position.

### DVD Map Disc Messages

If an error displays and/or the map disc comes out, it could be for one of the following reasons:

- If the map disc was installed into the CD slot. See "Installing the DVD Map Disc" previously.

- It is very hot, when the temperature returns to normal, the map disc should play.

- You are driving on a very rough road. When the road becomes smoother, the map disc should play.

- The map disc is dirty, scratched, wet, or upside down.

If any error occurs repeatedly or if an error cannot be corrected, contact your dealer/retailer.

### Ejecting the DVD Map Disc

When the DVD map disc is not loaded, you are not able to use the navigation portion of the system.

1. Turn the ignition on.

2. Push the ▲ (open/close faceplate) button and the faceplate opens.

3. Press the ▲ DVD key, located next to the bottom slot. The disc ejects.

4. Wait until the DVD is ejected properly and then push the ▲ (open/close faceplate) button to close the faceplate.

### Handling the DVD Map Disc

When handling the DVD map disc, be careful of the following:

- Handle the disc very carefully to avoid contamination or flaws. Signals may not read out properly if the disc gets contaminated or flawed.

- If the disc gets soiled, use a soft cloth to gently wipe it out from the center of the disc to the outside. Do not use photographic record cleaner, solvents, or other cleaners.

- Do not use the disc to rest on while writing or drawing using any writing utensil or attach a seal to any of the sides or the disc.

- Do not keep the disc in direct sunlight, high temperatures, or humidity.

- After using the disc, place it back into the original case.

### Setting the Search Area

See *Enter Destination on page 32* for information on changing the search area.

### Map Adjustments

The system lets you adjust the scale of view on the map. Also, as you drive, the map scrolls automatically based on the direction you are traveling.

### Map Scales



To view a larger or smaller scale of the map, touch the map scale arrows.

Change the level of map detail by either zooming in or zooming out using the arrow screen buttons or by touching the scale on the bar.

The system adjusts the map accordingly. The scale of a map can range from 1/32 of a mile (0.05 km) to 128 miles (256 km).

### Scrolling the Map



Touch anywhere on the map screen twice and the scroll symbol appears. Use this feature to scroll across the map.

If scrolling while the vehicle is in P (Park), the system scrolls initially at a slower rate. Continue to touch the map screen to increase the scrolling speed.

If scrolling while the vehicle is in motion, the system will scroll to that location and stop.

If you have used the scroll feature to scroll the map and if the vehicle icon becomes lost, press the NAV (navigation) hard key to return to the current vehicle location on the map.

Use the scroll feature on the map to set a destination. See "Map" under *Enter Destination on page 32* for more information.

## Navigation Symbols

The following symbols are the most common symbols that appear on a map screen.



The vehicle is shown as this symbol. It shows the position and direction the vehicle is moving on the map.

This symbol marks the final destination of the planned route.



This symbol appears on the map for a planned waypoint.

The waypoint symbol is numbered from 1 through 5 depending on how many waypoints have been set.



This symbol indicates the distance to the final destination. It only appears when the time symbol does not appear.



This symbol indicates the distance and the estimated time remaining to the final destination or arrival time, depending on the option selected.

See *Navigation Set Up on page 55* for more information.



This symbol shows the straight-line distance to the final destination.

This symbol may appear before starting to drive on the route or if on a road where navigation guidance cannot be given. See *Database Coverage Explanations on page 76* for more information.



This symbol indicates the map with North Up (North Up mode).

While in North Up mode, North is always at the top of the map screen regardless of which direction the vehicle is traveling. Touch this screen symbol to switch between North Up and Heading Up modes.

This Heading Up mode symbol indicates the map with the vehicle travel direction up.

The shaded triangle indicates the North direction. While in Heading Up mode, the direction the vehicle is traveling is always at the top of the map screen. The vehicle icon is always headed in the direction the vehicle is traveling. Touch this screen symbol to switch between Heading Up and North Up modes.

This symbol appears in the upper right corner when the vehicle is not receiving a Global Positioning System (GPS) satellite signal.

See *Global Positioning System (GPS) on page 73* for more information.

When a name is too long to be displayed, an arrow symbol appears. Touch the right or left arrow screen button to scroll through the entire name.

This symbol indicates the position of the next guidance maneuver.

Touch this symbol to set the current route as the destination.

Touch this symbol to enter a waypoint along the current route.

Touch this symbol to store the location on the screen as a memory point.

**Map Appearance**



Select this symbol from the map screen to display the map appearance options.

Select from one of the following six options to allow different views and information of the map screen. Availability of these options depends on the current route. The current view is highlighted.



Select the single map mode to display more of the map with a window that gives the direction and distance to the upcoming maneuver.



Select the dual view symbol to display two map screens that allow different scale levels and heading direction for each window.

Touch anywhere inside the right screen and the EDIT RIGHT SCREEN screen displays. Change

the scale level, 2D and 3D view, and to turn the POIs on and off. To change the heading direction, touch the north up or heading up symbol.



Select the turn list symbol to display the next three upcoming maneuvers on the map screen when on route guidance.

Directional arrows, street name, and distance to the next turn displays. As you approach the next turn, the system automatically displays a zoomed-in view of the upcoming maneuver.

Select the arrow guidance symbol to display the next turn on the map screen when on route guidance.

Directional arrows, street name, and distance to the next turn displays. When approaching the next turn, the system automatically displays a zoomed-in view of the upcoming maneuver.

Select this symbol to display only the next maneuver along with a small map of the maneuver.

When approaching the next maneuver, the system displays a guidance window of the maneuver. This option can be turned off by the USER SETTINGS screen.

Select the highway guidance symbol to display highway guidance on the map screen.

The upcoming exit number, distance to the exit, available POIs at the exit, and a window with the direction and distance to the next maneuver displays.

Use the up and down arrows to scroll through the list. To view the available POIs for an exit, select the exit, then select the Map screen button.

The system displays highway guidance any time you have a planned route on a highway or freeway. To turn this feature off, see "User Settings" under *Navigation Set Up on page 55* for more information.

### Auto Reroute

When a destination has been set but the vehicle is off of the planned route, the system automatically plans a new route. The new route is highlighted on the screen.
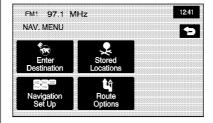
### Traveling Across Regions

When driving through regions, the map screen updates to display the current location. To plan a destination in a different region, the region must be changed for the map DVD to access the correct information.

1. Change the selected region in the search area when closer to the destination. See *Enter Destination on page 32*.

2. Change the selected region in the search area when entering the destination and route settings. See *Enter Destination on page 32*.

   For example, if you were traveling from Michigan to Florida, make sure that Florida is included on the selected region. Enter a destination in Florida under the ENTER DESTINATION menu.

## Navigation Menu

Press the NAV hard key to access the map screen. Press the MENU touch screen button on the map screen.



All of the navigation system features can be accessed from this screen.

## Global Positioning System (GPS)

The navigation system determines the position of your vehicle by using satellite signals, various vehicle signals, and map data.

At times, other interferences such as the satellite condition, road configuration, the condition of the vehicle and/or other circumstances can interfere with the navigation system's ability to determine the accurate position of the vehicle.

The GPS shows the current position of your vehicle using signals sent by the GPS Satellites of the United States Department of Defense. When your vehicle is not receiving signals from the satellites, a symbol appears on the map screen. Refer to *Navigation Symbols on page 68*.

This system may not be available or interferences may occur if any of the following are true:

- Signals are obstructed by tall buildings, trees, large trucks, or a tunnel.
- Objects are located on the rear shelf of the vehicle.
- Satellites are being repaired or improved.
- After-market glass tinting has been applied to the vehicle's rear windshield.

*Notice:* **Do not apply after-market glass tinting to the vehicle's windows. Glass tinting interferes with the system's ability to receive GPS signals and causes the system to malfunction. The window might have to be replaced to correct the problem. This would not be covered by the warranty.**

For more information if the GPS is not functioning properly, see *Problems with Route Guidance on page 75* and *If the System Needs Service on page 75*.

## Vehicle Positioning

At times, the position of the vehicle on the map may 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 in sand, gravel and/or snow.
- The vehicle is traveling on winding roads.
- The vehicle is on a long straight road.
- The vehicle is approaching a tall building or a large vehicle.
- The surface streets run parallel to a freeway.

- The vehicle has just 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 when 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 your vehicle.
- The vehicle is equipped with tire chains.
- The tires are replaced.

- The tire pressure for your tires is incorrect.
- The tires are worn.
- The first time the map DVD is inserted.
- The 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.

If any of those problems occur, the system may need to be re-calibrated. This could be due to tire pressure differences, or if a spare tire is installed. To calibrate the system, see *Navigation Set Up on page 55*.

## Problems with Route Guidance

Inappropriate route guidance can occur under one or more of the following conditions:

- A turn was made that was not on the route.
- Route guidance may not be available when using automatic rerouting for the next right or left turn.
- The route may not be changed when using automatic rerouting.
- There is no route guidance when turning at an intersection.
- Plural names of places may be announced occasionally.
- It may take a long time to operate automatic rerouting during high-speed driving.
- Automatic rerouting may display a route returning to the set waypoint if you are 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 may not be searched.
- The route to the destination may not be shown if there are new roads, if roads have recently changed or if certain roads are not listed on the map DVD. See *Ordering Map DVDs on page 76*.

To recalibrate the vehicle's position on the map, see *Navigation Set Up on page 55*.

## If the System Needs Service

If your system needs service and you have followed the steps listed here and still are experiencing problems, see your dealer/retailer for assistance.

## Odering Map DVDs

The map DVD in the vehicle is the most up-to-date information available when your vehicle was produced. The map DVD is updated periodically, provided that the map information has changed.

For questions about the operation of the navigation system or the update process, contact the GM Nav Disc Center toll-free phone number, 1-877-NAV-DISC (1-877-628-3472) or go to the center's website, gmnavdisc.com. To update or replace a disc, call the GM Nav Disc Center or order a new disc online. Have the Vehicle Identification Number (VIN) available when ordering. This ensures that you receive the correct and most up-to-date DVD map disc for your vehicle. See "Vehicle Identification Number (VIN)" in the Index of your vehicle's owner manual for more information.

After receiving the updated disc, replace the old disc in the navigation system. See "Installing the DVD Map Disc" and "Ejecting the DVD Map Disc" under *Maps on page 66*. Dispose of the old disc to avoid confusion about which disc is the most current.

## Database Coverage Explanations

Coverage area depends upon the map detail available. Some areas have greater map detail than others. The navigation system works only as well as the information provided on the map disc. See *Ordering Map DVDs on page 76* on how to obtain updated map information.

## Voice Recognition

The navigation system's voice recognition allows for hands-free operation of navigation and audio system features. Voice recognition can be used when the ignition is on or in ACC/ACCESSORY or when Retained Accessory Power (RAP) is active.

This feature only works if the map DVD is inserted. If you try to use voice recognition without the map DVD inserted, the system displays "Please insert the navigation map DVD to use the voice recognition feature." See "Installing the DVD Map Disc" under *Maps on page 66*.

The system may not hear you or may hear the incorrect word with the windows open or the convertible top down due to background noise.

To use voice recognition:



1. Push and hold «⟨ until a beep is heard. The audio system mutes.

   This button is located on the left side of the navigation system faceplate.

2. Clearly state one of the commands listed on the following pages. For example, say "FM1."

3. The system states the command being implemented. For example, the system says "FM1 Radio" and the audio system changes to the FM1 source.

You may end voice recognition by not speaking any commands. After about five seconds of silence, the system automatically cancels voice recognition.

At times, the system may not understand a spoken command. If this happens, try again. If a spoken command is not available, the system provides feedback based on availability.

While using voice recognition, make sure to keep interior noise levels to a minimum. Otherwise, the system might not recognize voice commands.

The system only recognizes commands spoken in English.

**Voice Recognition Commands**

The following list shows all of the voice commands available for the navigation system with a brief description of each. Any words shown in square brackets are optional. If there are words shown in parentheses, choose one of the options. To use the voice commands, refer to the instructions listed previously.

**Help Commands**

These commands are universal and enable you to use the help prompts available from the system.

**Command Help/List:** Enables the system to provide the available commands for the navigation radio.

**Cancel:** Cancels the voice recognition function.

**Radio Commands**

**Radio:** Changes the audio system to the next radio audio source.

**AM:** Changes the audio system to the AM audio source.

**FM1:** Changes the audio system to the FM1 audio source.

**FM2:** Changes the audio system to the FM2 audio source.

**XM1:** Changes the audio system to the XM1 audio source.

**XM2:** Changes the audio system to the XM2 audio source.

**Power On, Audio On:** Turns the system's power on.

**Power Off, Audio Off:** Turns the system's power off.

**Seek Up:** The selected audio source seeks to the next strongest station.

**Seek Down:** The selected audio source seeks down to the next strongest station.

**CD Player Commands**

**Track Up:** The CD player skips to the next track.

**Previous Track:** The CD player goes to the previous track.

**Track Down:** The CD player goes to the beginning of the track or goes to the previous track if the track has elapsed nine seconds.

**Screen Commands**

**Screen Day Mode, Day Mode On:** Adjusts the system's screen setting to the day mode.

**Screen Night Mode, Night Mode On:** Adjusts the system's screen setting to the night mode.

**Screen Auto Mode, Auto Mode On:** Adjusts the system's screen setting to auto mode.

**Screen Off:** Turns the system's screen display off.

**Position Commands**

**Current Position, Current Location, Show Current Position, Show Current Location:** These commands will display the vehicle's current location on the map screen.

**Map:** The system displays the map screen.

**Map Commands**

**Zoom In:** The system zooms in when on the map screen.

**Zoom In Maximum:** The system zooms in to the minimum available map scale when on the map screen.

**Zoom Out:** The system zooms out when on the map screen.

**Zoom Out Maximum:** The system zooms out to the maximum available map scale when on the map screen.

**Heading Up, Change to Heading Up:** The system displays the Vehicle Up heading when on the map screen.

**North Up, Change to North Up:** The system displays the North Up heading when on the map screen.

**Map Direction, Change Map Direction:** The system changes the vehicle's direction from North up to heading up or heading up to North up on the map screen.

**Mark, Mark This Point:** The system marks the location as a memory point while on the map screen.

**Right Map Zoom In:** The system zooms in on the right map when in dual map mode.

**Right Map Zoom In (Maximum/ Minimum Scale):** The system zooms in to the minimum available map scale on the right map when in dual map mode.

**Right Map Zoom Out:** The system zooms out on the right map when in dual map mode.

**Right Map Zoom Out (Maximum/ Maximum Scale):** The system zooms out to the maximum available map scale on the right map when in dual map mode.

**Right Map [Change to] / [Show] North Up [Mode]:** The system displays the North Up heading on the right map when in dual map mode.

**Right Map [Change to] / [Show] Heading Up [Mode]:** The system displays the Vehicle Up heading on the right map when on the map screen and in dual map mode.

**Right Map [Change Map] Direction:** The system changes from North Up to Heading Up or from Heading Up to North Up.

**[Show/Change to] Dual Map Mode:** The system changes the map display to dual map mode.

**[Show/Change to] Single Map Mode:** The system changes the map display to single map mode.

**[Change to] 3D Map [Mode]:** The system changes the map display to the 3-dimensional map.

**[Change to] 2D Map [Mode]:** The system changes the map display to the 2-dimensional map.

**Destination Commands**

**Home, Go Home:** The system enters the Home destination as a waypoint or final destination, if a home destination has been stored.

**Go to Starting Point, Previous Starting Point:** The system enters the last available starting point as a waypoint or final destination.

**[Go to] Previous Destination:** The system enters the last available destination as a waypoint or final destination, if one is available.

**[Go to] Preset Destination [Number] (number):** The system goes to the preset destination number. This preset destination can be chosen as a waypoint or a destination. There must be a location stored in the preset destination number that is chosen. For example, first store a location in Preset Destination 3. Say "Go to Preset Destination 3." The system goes to Preset Destination 3 and prompt you to choose it as a waypoint or destination.

**Add [to] Waypoint:** The system adds the current marked point as a waypoint. This command is used after the following commands have been used: Home, Go to Starting Point, Go to Previous Destination.

**Enter Destination:** The system adds the current marked point as the final destination. This command is used after the following commands have been used: Home, Go to Starting Point, Go to Previous Destination.

**Guidance Commands**

**Repeat Guidance, Repeat Voice:** The system repeats the last available voice prompt guidance command if a destination has been set.

**Louder:** The system increases the volume of the navigation voice prompts.

**Softer:** The system decreases the volume of the navigation voice prompts.

**Voice Guidance Off:** The system turns off the navigation voice prompts if a destination has been set.

**Voice Guidance On:** The system turns on the navigation voice prompts.

**[Change to] Arrow (Guide/ Guidance):** The system changes to Arrow Guidance screen view in the Guidance Menu if a destination has been set.

**[Change to] Turn List (Guide/ Guidance):** The system changes to Turn List Guidance screen view in the Guidance Menu if a destination has been set.

**[Change to] Freeway (Guide/ Guidance):** The system changes to Freeway Guidance screen view in the Guidance Menu if a destination has been set. This command is only available if you are on a freeway.

**[Change to] Intersection (Guide/ Guidance):** The system changes to Intersection Guidance screen view in the Guidance Menu if a destination has been set. This command is only available when the next turn is less than 0.5 mile (800 m) away for city streets and 2 miles (2 km) away for freeways.

**Entire Route, Entire Rout Map, Route Overview:** The system displays the entire route if a destination has been set.

**Reroute:** The system generates an alternate route to a set destination while on a planned route.

**Detour, Detour Entire Route:** The system activates the detour feature when driving a planned route.

**Next Waypoint Map:** The system displays the map view of the next waypoint location if one has been set.

**(First/Second/Third/Fourth/Fifth) Waypoint Map:** The system displays the map view of the named waypoint location if it has been set.

**Destination Map:** The system displays the map view of the final destination location if one has been set.

**Yes:** Confirms system talkback.

**No:** Cancels a command.

**(Delete/Cancel) Destination:** The system cancels the current destination.

**(Delete/Cancel) All Waypoints and Destination:** The system cancels all currently set waypoints and the final destination.

**Quick:** The system selects the Quick route when a destination has been set.

**Normal:** The system selects the Normal route when a destination has been set.

**Short:** The system selects the Short route when a destination has been set.

**Point of Interest (POI) Commands**

The following commands cause the system to display icons if they are available on the map screen when the map scale is set to ½ mile (1 km) or less.

**Automobile Commands**

- Auto Service And Maintenance, Auto Service, Maintenance
- Automobile Club, Triple A
- Car Park
- Car Wash
- Gas Station, Gas
- Other Automotive
- Parking
- Parking Garage
- Parking Lot
- Rental Car Agency

**Entertainment Locations**

- Amusement Park
- Botanical garden
- Campground
- Casino
- Cinema
- Golf Course
- Horse Racing
- Marina
- Museum
- National and State Parks
- Park & Recreation, Parks & Recreation
- Performing Arts
- Ski Resort, Skiing
- Speedway
- Sport Complex, Stadium
- Tourist Attraction
- Video Rental
- Winery
- Zoological garden

**Financial and Government Offices**

- ATM
- Bank
- Business Facility
- City Hall
- Civic Center, Community Center
- Convention Center, Exhibition Center
- Court House
- Government Offices
- Higher Education, University, College
- Hospital
- Library
- Other Financial Services
- Police Station
- Post Office
- School
- City Center

**Personal Services**

- Beauty and Barber Shops
- Dry Cleaning
- Health and Fitness Club

**Restaurant Locations**

- American Restaurant, American Food
- Chinese Restaurant, Chinese Food
- Coffee House
- Continental Restaurant, Continental Food
- French Restaurant, French Food
- Ice Cream Parlor
- Italian Restaurant, Italian Food
- Japanese Restaurant, Japanese Food
- Mexican Restaurant, Mexican Food
- Other Restaurant, Other Food
- Restaurant, I'm Hungry
- Seafood Restaurant, Seafood
- Show Restaurant
- Thai Restaurant, Thai Food

**Shopping Locations**

- Convenience Store
- Department Store
- Grocery Store
- Home and Garden
- Other Retail Store
- Pharmacy
- Shopping, Shopping Mall
- Specialty Food Store

**Transportation**

- Airport
- Bus Station
- Ferry Terminal
- Historical Monument
- Hotel
- Park & Ride
- Rest Area, Rest Stop
- Tourist Information
- Train Station

**POI Off:** The system turns off POIs so they do not appear on the map screen.