The 2003 Cadillac Navigation System Supplement

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Section 1 Overview

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Overview

Introduction

This display screen is located in the center of your instrument panel. The Navigation System allows you to plan a route and provides turn-by-turn route and map guidance with voice prompts.

The database allows you to select a destination from various areas and choices (addresses, intersections, destinations stored in memory, all points of interest, etc.). These features are explained later in this supplement.

The Navigation System can also communicate with the audio system to receive broadcast announcements on traffic, weather information and emergency alert communications.

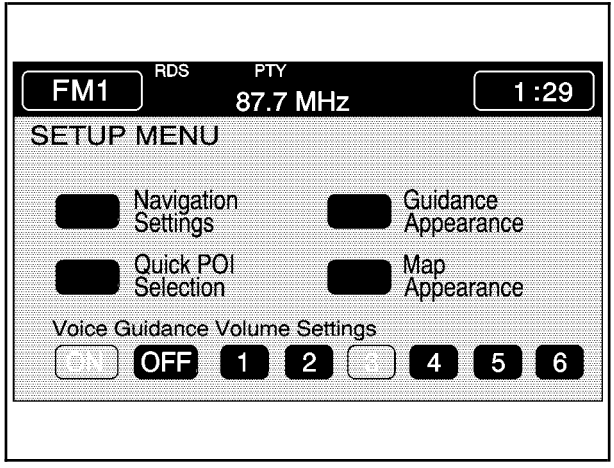
Before you begin to operate this system, read this manual thoroughly to become familiar with it and to understand how the system works.

Also, be aware that the information in the system may not always be complete. Road conditions, such as no left turns, detours and construction, change frequently. It is important to see whether you can follow the directions given by the system safely and legally.

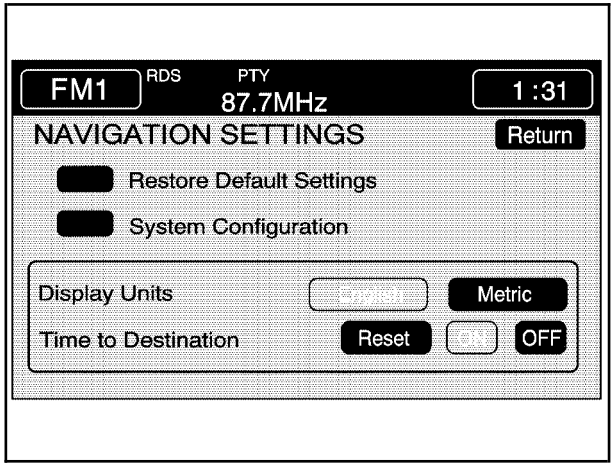
Use of this feature may be restricted in some states. You can check with your state motor vehicle agency.

Setup Menu

Press the SETUP hard key to display the following menu. Under the Setup menu, you can make adjustments to the functions listed on the menu using the touch-sensitive buttons on the screen.



Navigation Settings



This menu allows you to change the following options for the Navigation System.

Restore Default Settings

This feature will automatically reset the system to the default values. The default settings are:

Distance Unit	Mile
Minimize Time/Dist	Time
Use Major Roads	Yes
Use Toll Roads	Yes
Use Ferries	No
Detour Distance on Freeway	20 mi. (32 km)
Detour Distance not on Freeway	4 mi. (6 km)
Voice Guidance	ON
Guidance Appearance	Auto, Arrow, 2 D
Map Appearance	2 D
Quick POI Selection	Gas, All Restaurant, Supermarket, ATM, Park, Hotel
Search Area	Region 9

To restore the default settings:

1. Touch the RESTORE DEFAULT SETTINGS button.
2. Touch ENTER.
3. Touch RETURN to exit this feature.

System Configuration

Once you touch the SYSTEM CONFIGURATION button, you will have the following choices:

Adjust Vehicle Position: To correct the position of your vehicle on the map (if your vehicle has been shipped, for example) or to change to the correct position, do the following:

1. Touch the ADJUST VEH POSITION button. The system will display POSITION ADJUSTMENT. The vehicle position icon and the scroll symbol will appear on the map.
2. Use the scroll symbol and the zoom in/zoom out feature to locate the vehicle position on the map.
3. Touch the ENTER button to set the correct vehicle position. The system will display POSITION ADJUSTMENT and two arrows will appear on the map screen.

4. Touch the arrows to adjust the direction of the vehicle icon counterclockwise or clockwise. When you touch one of the arrows, you will see the vehicle icon direction changing.
5. When you have completed setting the vehicle to the correct direction, touch the ENTER button. The system will display RELOCATION COMPLETE.

   The correct vehicle position and direction is now set.

   If you begin to drive your vehicle during this procedure, the system will not be able to adjust the position or direction of your vehicle.
6. Touch the RETURN button to exit out of this menu.

Calibrate Vehicle Speed Signal: If there are tire pressure differences or if a spare tire is installed, the Navigation System will automatically re-calibrate the system but it may take longer. You may choose to calibrate it yourself by doing the following:

1. Touch START to begin calibration.
2. Touch RETURN to exit this menu.

Display Units

You can select either the English or metric measurements to appear for distances on the map. Touch the ENGLISH or METRIC button to change between English and metric units.

Time to Destination

This feature allows you to reset or turn on or off the estimated time to travel from your current position to the destination. The estimated travel time is based on the calculated route information and the vehicle's average speed. When on, the time to destination will display along with the distance to destination.

RESET: Touch this button if you want to reset the average speed to the default values.

ON: Touch this button to display the estimated travel time on the map screen along with the distance to destination.

OFF: Touch this button to turn the estimated travel time feature off. The time to destination will no longer be displayed along with the distance to destination.

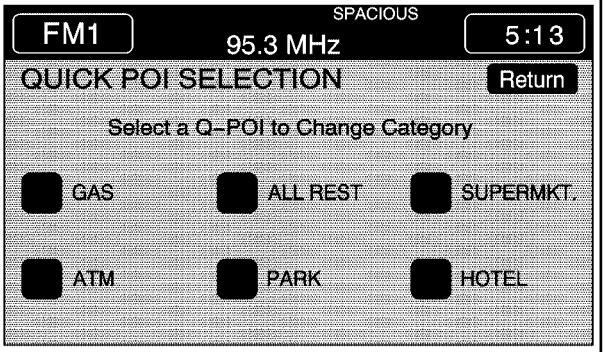
Quick POI (Point of Interest) Selection

This feature allows you to choose a point of interest, such as gas stations, restaurants, hotels, etc. to be displayed on the map screen. You can also set a destination to a specific point of interest.

The six Quick POI default settings are GAS, ALL REST, SUPERMKT., ATM, PARK and HOTEL.

To access the QUICK POI SELECTION menu, do the following:

1. Press the SETUP hard key.
2. Touch QUICK POI.



Setting the Quick POI menu

This feature is used to set the Quick POI list displayed on the map screen.

1. Select the category you would like to replace.
2. Select a Quick POI category from the Quick POI selection menu list. The system will return to the Quick POI selection screen when a POI is selected.
3. Touch RETURN to save the setting and the system will take you back to the previous menu.

Displaying Quick POI Icons

This feature will allow you to display the icons of a category type in its location on the map screen.
To display the icons of a category do the following:

1. Touch the map screen once.
2. Touch the POI button. The QUICK POI SELECTION list will be displayed.
3. Select a category type or touch LIST CATEGORIES OR ALL LOCAL POIs to display the icon of the selected category in their locations on the map screen.

Removing Quick POI Icons

This feature will allow you to remove the displayed icons from the map screen. To remove the POI icons from the map screen do the following:

1. Touch the map screen once.
2. Touch the POI OFF button. The current POI icons will be removed from the map screen.

Setting a Destination Using Quick POI

This feature will allow you to plan a destination to a point of interest from the map screen. To plan a route using a POI icon do the following:

1. Touch the POI icon on the map screen that you wish to set a destination to.
2. The selected icon will be surrounded with a blinking box. The name of the selected icon will be displayed on the map screen. Touch the INFO button to view the POI name, address, city and phone number (if available).
3. Touch the ENT DEST button.

   If a final destination is already entered, you can add the POI as a waypoint.
4. Touch the ENTER button to start planning your route.

   If available, the system will display up to three routes in a pop-up window indicating the total mileage and time to destination for the planned route which can be selected by using the NEXT button. The map will display the difference between the three routes by displaying them each in different colors. The selected route is highlighted in red.

5. To start route guidance, touch the START button or begin driving the vehicle. Route guidance will automatically begin after a short distance.

   If you touch the CHG ROUTE button before the START button you will be able to change your route preferences if desired. See “Route Preference” later in this section for more information.

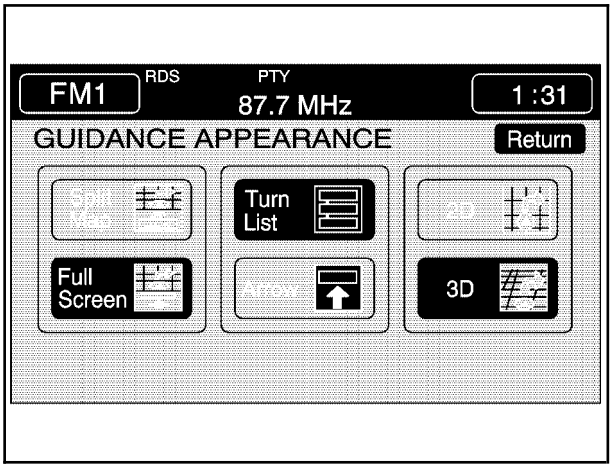
   When your route guidance has been planned, it will be highlighted and a bulls-eye symbol will appear on the map to show your final destination. A waypoint symbol will also appear on the map if a waypoint is set.

If you wish to cancel the route you have just set, do the following:

1. Press the ROUTE hard key.
2. Touch the ROUTE PREFERENCES button.
3. Touch the CANCEL ROUTE button.
4. Select YES to cancel or NO to continue.

See “Cancel Route” under *Easy Planning Route on page 2-3* for more information.

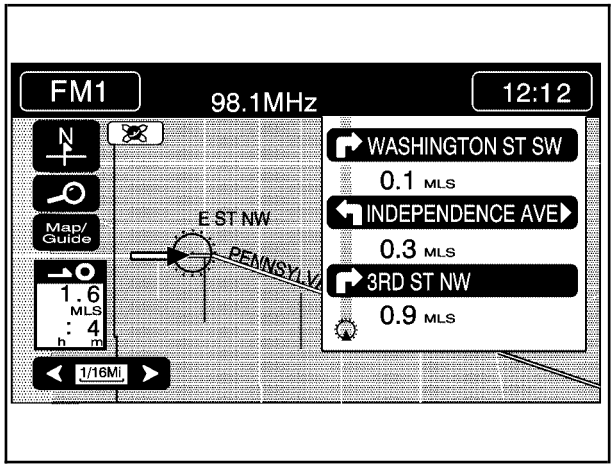
Guidance Appearance



This menu allows you to set up the following three options for the guidance appearance screen which is displayed on the map while on a planned route. The current setting will appear as light blue.

Split Map: Touch this button to have the guidance screen displayed on the map at all times.

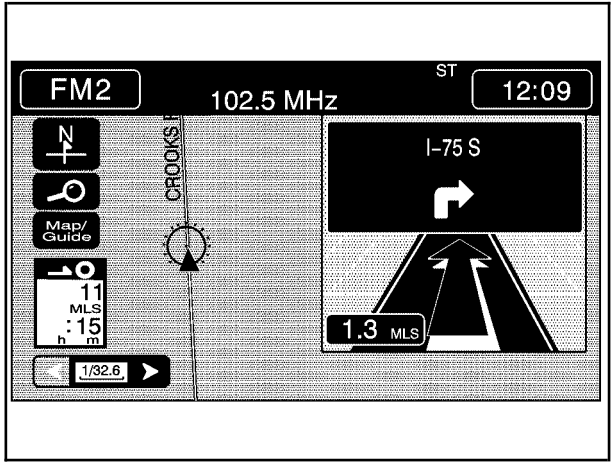
Full Screen: Touch this button to have the guidance screen displayed on the map when approaching a maneuver.



Turn List Guidance

TURN LIST: Touch this button to have the guidance screen display several upcoming turns. Directional arrows, street name and distance to the next turn will also be displayed. As you approach the next turn, the system will automatically display a zoomed-in view of the upcoming maneuver.

ARROW: Touch this button to have the guidance screen display the next turn. A directional arrow, street name and distance to the turn will also be displayed. As you approach the turn, the system will automatically display a zoomed-in view of the upcoming maneuver.

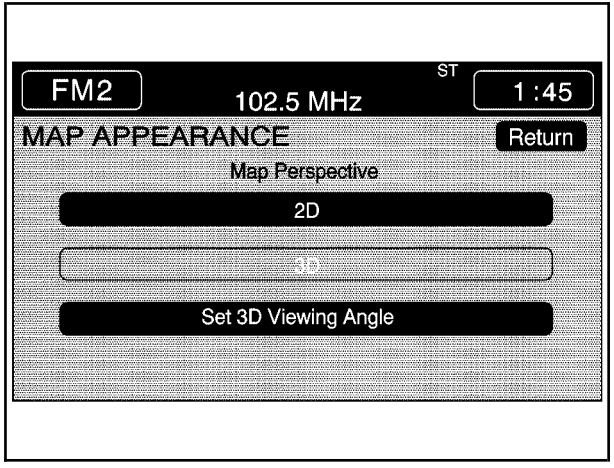


Arrow Guidance

2D: Touch this button to have the guidance screen display as a two-dimensional view.

3D: Touch this button to have the guidance screen display as a three-dimensional view.

Map Appearance



This menu allows you to set up one of the following options for the map appearance screen. The current setting will appear as light blue.

2D: Touch this button to have the map screen display as a two-dimensional view.

3D: Touch this button to have the map screen display as a three-dimensional view.

SET 3D VIEWING ANGLE: This allows you to adjust the 3D viewing angle. To adjust the viewing angle, do the following:

1. Select 3D from the MAP APPEARANCE menu.
2. Touch the SET 3D VIEWING ANGLE button.

   The map screen with 3D viewing angle bar will be displayed.
3. Touch the vertical scroll up or down arrows to set your preferred viewing angle.
4. Touch RETURN to save your settings and to exit this menu or touch RESET to restore the viewing angle to the default settings.

Voice Guidance Volume Settings

This feature allows you to set the voice prompt volume level or to turn the voice prompts on or off. The voice prompts will not be heard while using voice recognition and while using the factory-installed phone system. The last voice prompt can be repeated by using the REPEAT hard key. See *Map and Repeat on page 2-2*.

Set the voice prompt volume level by touching the numbered (one to six) buttons to increase or decrease the volume level with one being the lowest volume level and six being the highest.

Voice prompts can be turned on or off by touching the ON or OFF button.

If a voice prompt is active while the audio system is on, the audio system volume will decrease and will fade to the rear speakers and the voice prompt will be heard through the left front speaker.

Touch the RETURN button to go back to the SETUP main menu.

NOTES

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Features and Controls

Using the Navigation System

This section describes the basic information you will need to know to operate the Navigation System. You should read this section thoroughly to become familiar with it.

Navigation Menus

In this section, the hard keys, touch-sensitive buttons and menus to plan a route are explained.

Map and Repeat

Press the MAP hard key to take you to your current location on the map screen. This button will work while you are in any menu.

When you press the MAP hard key, the map screen can display the following information:

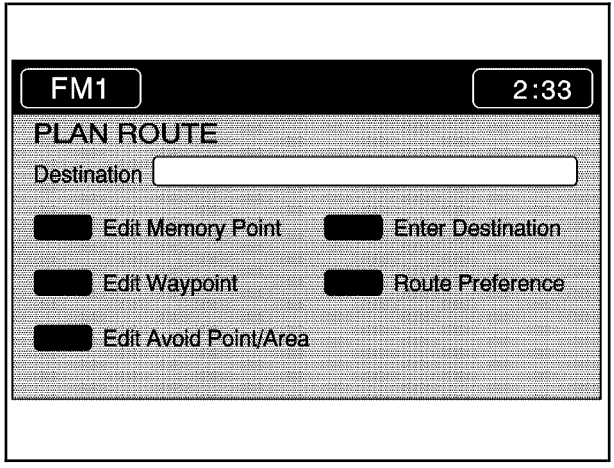
- The north or heading up symbol.
- The map scale in the lower left corner.
- How many miles/meters until you reach your final destination, if a route is planned.
- The GPS symbol if the Global Positioning System signal is not being received. See *Symbols on page 2-47*.
- Any options you have selected for reaching your current destination.
- The time.
- The radio band and presets if selected to be displayed on the screen.

If you have a route planned and you wish to hear the last voice prompt repeated, press the REPEAT hard key.

To learn more about the features shown on the map screen, you can find each feature listed in the Index.

Plan Route

To plan a route, press the ROUTE hard key. After pressing this hard key, the plan route main menu screen will display the following:



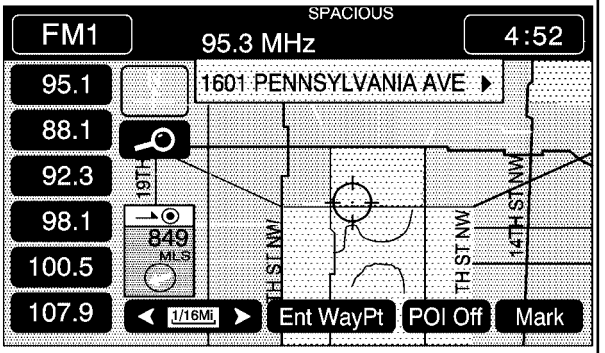
There are two methods for planning a route. They are the following:

- By using the easy planning method, you can locate your destination by using the scroll arrows from the map screen. See *Easy Planning Route on page 2-4*.
- By using an address, all points of interest, memory points, previous destinations, home, set by map, freeway entrance/exit or intersection. To use one of these methods, see “Enter Destination” later in this section.

Easy Planning Route

With the easy planning route feature, you are able to select the destination you wish to go to using the scroll icon from the map screen. You can use this feature without entering the destination selection menu. To use the easy planning method, do the following:

1. First press the MAP hard key.
2. Touch the map screen twice to make the scroll symbol appear. Touch the map or drag the scroll symbol in the direction of your destination.
3. Touch and hold the map screen continuously to scroll through the map faster. See *Symbols on page 2-47* for more information. The address of the scrolled to location on the map will appear at the top of the screen.



4. If needed, use the Zoom In and Zoom Out feature of the map scale to locate your destination. See *Maps on page 2-37* for more information.

   Touch the ENT DEST button to set this location as your destination. Touch the MARK button if you wish to store this location as a memory point.

The system will use the planning methods you have previously selected. These methods will be displayed in a pop-up window under the ROUTE SETTING heading on the map. Touch the CHANGE button if you wish to change the route planning methods before continuing. See “Home” later in this section for more information.

5. Touch the ENTER button to start planning your route.

   If available, the system will display up to three routes in a pop-up window indicating the total mileage and time to destination for the planned routes. Select one using the NEXT button. The map will display the difference between the three routes by displaying them each in different colors. The selected route is highlighted in red.

6. To start route guidance, touch the START button or begin driving the vehicle. Route guidance will automatically begin after a short distance.

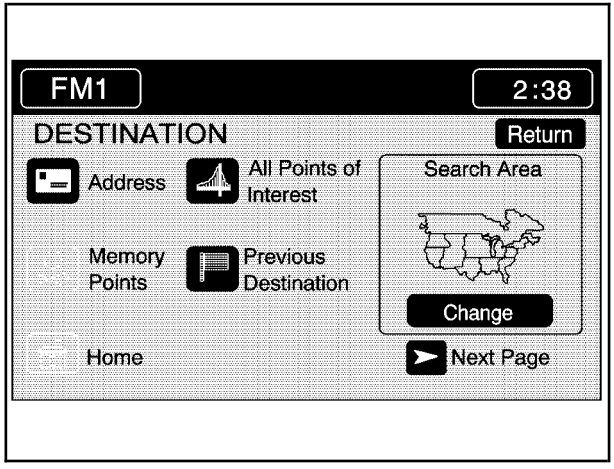
   If you touch the CHG ROUTE button before the START button you will be able to change your route preferences if desired. See “Route Preference” later in this section for more information.

When your route has been planned, it will be highlighted and a bulls-eye symbol will appear on the map to show your final destination.

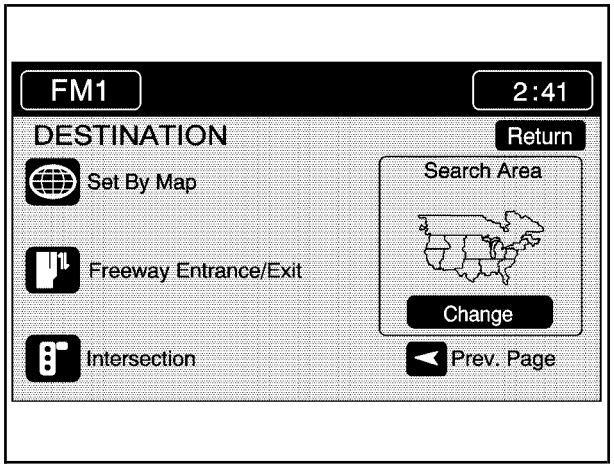
Enter Destination

To enter a destination, touch the ENTER DESTINATION button in the PLAN ROUTE menu.

This menu will let you plan a route by several methods. These methods are explained in the following pages.



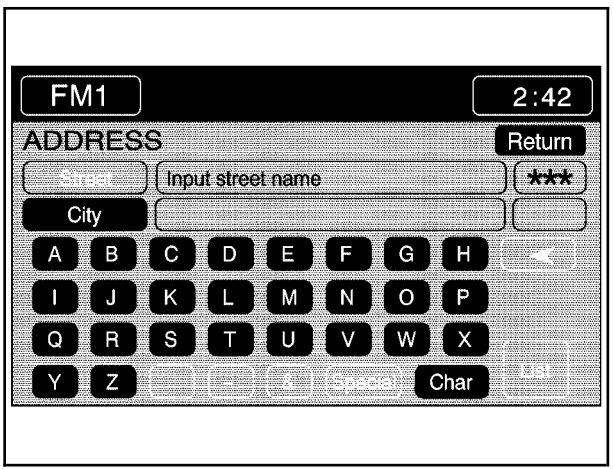
Touch the right arrow (Next Page) button to see additional methods.



Address

This feature allows you to select a route by inputting an address (without a zip code) and to store it. You need to provide the system with a street number, street name and a city.

1. Press the ROUTE hard key.
2. Touch ENTER DESTINATION.
3. Touch the ADDRESS button.



4. Enter the name of a street by touching the alphabet key pad. There may be many streets within the map database with the same name. Therefore, you may have difficulty selecting the correct street name from the list given. If this occurs you may enter the city name first. To enter the city name touch the CITY button on the ADDRESS menu. Enter the name of the city by touching the alphabet key pad. Select the desired city name. After you have selected the city name the system will prompt you to enter the name of the street or will give you a list of street names to choose from. Enter a street name using the alphabet key pad or view the desired street names by pressing the LIST button. Then select the desired street name from the list.

   If you touch a wrong character, use the left arrow to back up a character, or touch and hold the left arrow to delete all of the characters.

5. As information is entered, the system automatically searches for available names based on the information given. While inputting a name, the LIST button will become available once there are 10,000 or fewer choices to choose from. Touch the LIST button to view the list of available name choices or continue to spell the name to further reduce the list of available items. The system will supply a list of names to make a selection from when the number of available items is five or less. The system displays the number of available items to the right of the street name.

   If you are unsuccessful when inputting a name, the name may need to be entered differently or the map DVD (database) may not contain this information. See *Database Coverage Explanations on page 2-53*.

6. Enter the address number from the number key pad and then touch the ENTER button. The system will list the address number range available for the street. If you have entered an address number that is incorrect or not available the system will indicate that the address number is not registered and will prompt you to see if you want to view from the midpoint of the street.

7. If you did not previously select the city name the system may prompt you to select the city name from the alphabet key pad or from a provided list of names prior to entering the street address. Select the desired city name.

   The system will return to the street address menu. Refer to Step 4 to see how to enter a street address.

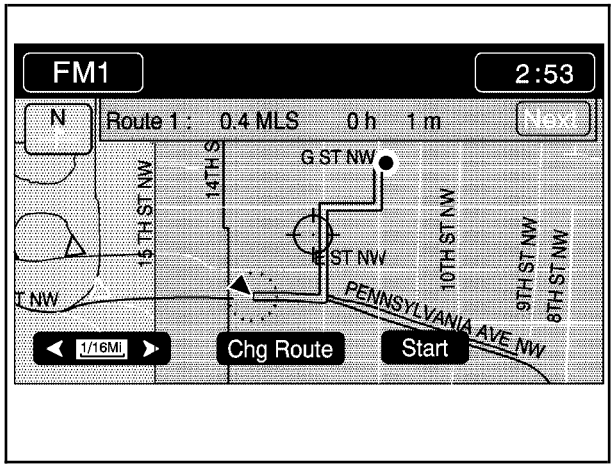
   The system will use the planning methods you previously selected. These methods will be displayed in a pop-up window under the ROUTE SETTING heading on the map. Touch the CHANGE button if you wish to change the route planning methods before continuing. See “Route Setting” later in this section for more information.

8. Touch the ENTER button to start planning your route.

   If available, the system will display up to three routes in a pop-up window indicating the total mileage and time to destination for the planned route. Select one using the NEXT button. The map will display the difference between the three routes by displaying them each in different colors. The selected route is highlighted in red.

9. To start route guidance, touch the START button or begin driving the vehicle. Route guidance will automatically begin after a short distance.

   If you touch the CHG ROUTE button before the START button you will be able to change your route preferences if desired. See “Route Setting” later in this section for more information.



When your route has been planned, it will be highlighted and a bulls-eye symbol will appear on the map to show your final destination and a waypoint symbol will appear on the map if a waypoint is set.

If you wish to cancel the route you have just set, do the following:

1. Press the ROUTE hard key.
2. Touch the ROUTE PREFERENCE button.
3. Touch the CANCEL ROUTE button.
4. Select YES to cancel or NO to continue.

   See “Cancel Route” later in this section for more information.

All Points of Interest

This feature helps you to easily locate a destination by type of facility.

The following list shows the types of categories and sub-categories of POIs (Points of Interest) in the map DVD database that you can choose from:

POI Category	POI Sub-category
Restaurant	All Restaurants Japanese Chinese French Italian Other American Continent Mexican Seafood
Shops	Shopping Mall Supermarket

POI Category	POI Sub-category
Auto	Gas Garage Parking Lot Rental Car General Motors Dealerships Auto Club Auto Service
Hotel	Hotel
Entertain	Golf Ski resort Amusement Park Sport Complex Casino Marina Tourist Winery

POI Category	POI Sub-category
Community	City Hall Police Library Hospital Park Commercial Center Exhibition Center Courthouses
Travel	Train Station Airport Bus Station Rail Station Ferry Park & Ride Rest Area Information

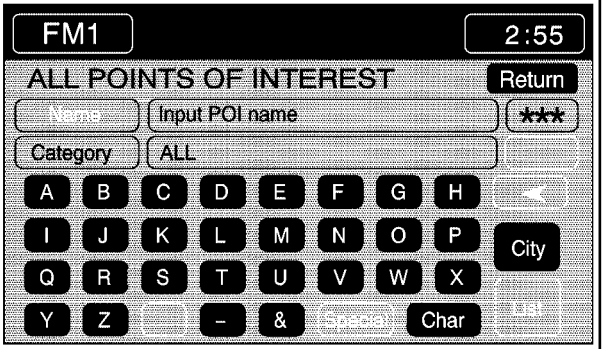
POI Category	POI Sub-category
Other	Historical Monuments Performing Arts Museum Bank School ATM Higher Education Business Facility City Center

Selecting a POI (Point of Interest)

1. Press the ROUTE hard key.
2. Touch ENTER DESTINATION.
3. Touch the ALL POINTS OF INTEREST button. An alphabet key pad will appear.
4. Enter the name of the POI or city using the alphabet key pad.

   While inputting a point of interest or city name, the LIST button will become available once there are 10,000 or fewer options to choose from.

   As information is entered, the system automatically searches for available point of interest and city names based on the information given. The system will supply a list of names to make a selection from when the choice is five or less.



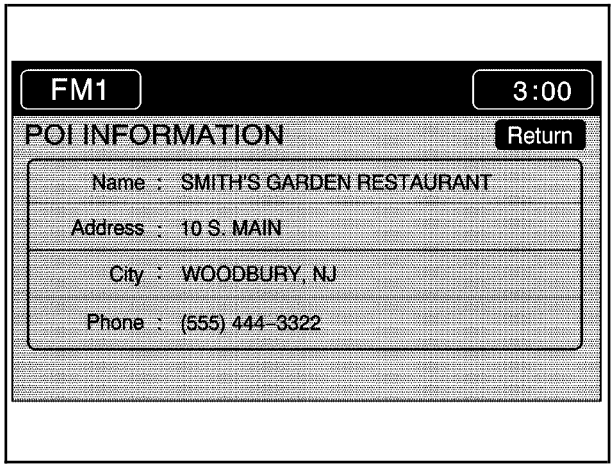
5. You have three ways to select a point of interest from this screen:
   - You can type in a point of interest by NAME using the alphabet key pad. As you enter a name, the system will search for an available match to your input. Select the desired point of interest.
   - You can select a point of interest by choosing the CATEGORY button. Use the up and down arrows or the INDEX UP or INDEX DOWN arrows to scroll through the categories listed.

Select a category and then any appropriate sub-categories. If the list of available points of interests for the selected category is still too long, then you may need to enter in the point of interest name or city.

- You can select the CITY button, then type in a city you wish to select a point of interest from. A list of cities will appear. Choose a city. If the list of available points of interest for the selected city is still too long, you may need to enter in the points of interest name or choose a category.

6. The system will give a listing of all points of interest available and will also show how many there are available. For example, if you type in the name of a bank, there may be 51 locations available to select from, sorted by name (NAME SORT) in alphabetical order. Touch the DIST SORT button and the system will automatically list the points of interest by distance from your current location.

7. Select the desired location from the list and the system will show the selected point of interest on the map screen. If available, a pop-up window will be displayed on the map screen. Press the INFO button to view the selected POI name, address, city and phone number (if available).

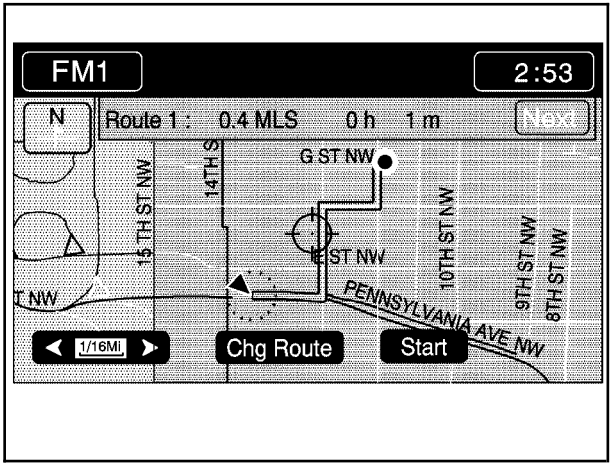


8. Touch the ENTER button to start planning your route.

   The system will use the planning methods you selected previously. These methods will be displayed in a pop-up window under the ROUTE SETTING heading on the map. Touch the CHANGE button if you wish to change the route planning methods before continuing. See“Route Setting” later in this section for more information.

If available, the system will display up to three routes in a pop-up window indicating the total mileage and time to destination for the planned routes. Select one using the NEXT button. The map will display the difference between the three routes by displaying them each in different colors. The selected route is highlighted in red.

9. To start route guidance, touch the START button or begin driving the vehicle. Route guidance will automatically begin after a short distance. If you touch the CHG ROUTE button before the START button you will be able to change your route preferences if desired. See “Route Preference” later in this section for more information.



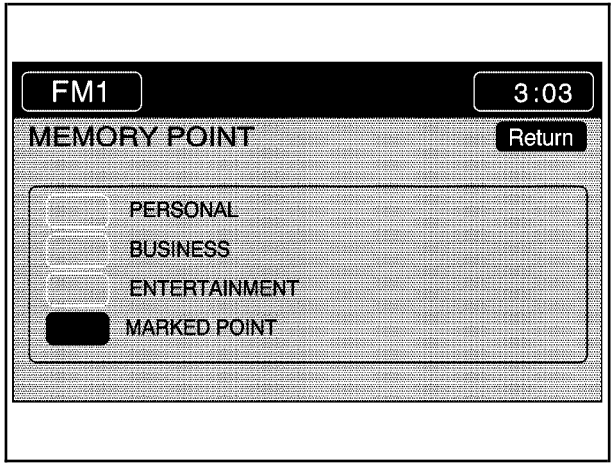
When your route has been planned, it will be highlighted and a bulls-eye symbol will appear on the map to show your final destination. A waypoint symbol will also appear on the map if a waypoint is set.

If you wish to cancel the route you have just set, do the following:

1. Press the ROUTE hard key.
2. Touch the ROUTE PREFERENCE button.
3. Touch the CANCEL ROUTE button.
4. Select YES to cancel or NO to continue.

   See “Cancel Route” later in this section for more information.

Memory Points



This menu allows you to select a destination by choosing a memory point. Each time you store a destination from the map screen, the destination is stored under MARKED POINT. See “Editing Memory Points” later in this section for more information on memory points.

You must have destinations stored as memory points to select a destination from PERSONAL, BUSINESS, ENTERTAINMENT or MARKED POINT. If you have renamed the memory point category name(s), the name(s) will appear as you changed them.

If a destination is not stored, the MEMORY POINT button will not be available.

To select a destination from this menu, do the following:

1. Touch the MEMORY POINT button.
2. Select one of the categories.
3. Select your desired destination from the selected category. Use the up and down arrows to scroll through the memory points in the selected category. These can be sorted by date, name, distance and icon.

   The system will use the planning methods you previously selected. These methods will be displayed in a pop-up window under the ROUTE SETTING heading on the map. Touch the CHANGE button if you wish to change the route planning methods before continuing. See “Route Setting” later in this section for more information.

4. Touch the ENTER button to start planning your route.

   If available, the system will display up to three routes in a pop-up window indicating the total mileage and time to destination for the planned route which can be selected by using the NEXT button. The map will display the difference between the three routes by displaying them each in different colors. The selected route is highlighted in red.

5. To start route guidance, touch the START button or begin driving the vehicle. Route guidance will automatically begin after a short distance.

   If you touch the CHG ROUTE button before the START button you will be able to change your route preferences if desired. See “Route Preference” later in this section for more information.

   When your route has been planned, it will be highlighted and a bulls-eye symbol will appear on the map to show your final destination. A waypoint symbol will also appear on the map if a waypoint is set.

If you wish to cancel the route you have just set, do the following:

1. Press the ROUTE hard key.
2. Touch the ROUTE PREFERENCE button.
3. Touch the CANCEL ROUTE button.
4. Select YES to cancel or NO to continue.

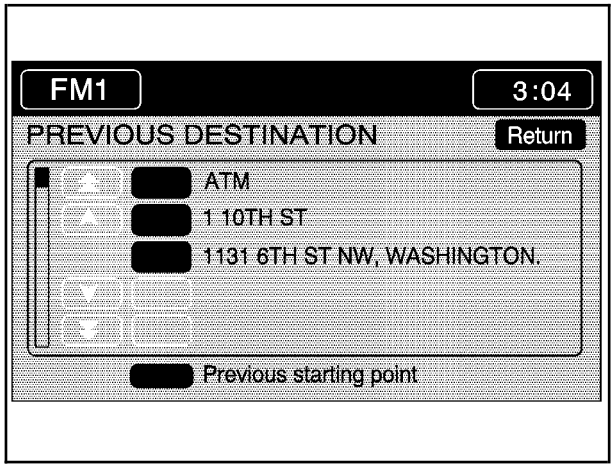
   See “Cancel Route” later in this section for more information.

Previous Destination

This feature allows you to select and choose as a destination any one of the last 10 destinations you have entered into the system.

This button will not be available if no destinations have been entered.

1. Press the ROUTE hard key.
2. Touch ENTER DESTINATION.
3. Touch the PREVIOUS DESTINATION button.



4. Use the up and down arrows to view the list.
5. Select the desired destination from the list. Touch the PREVIOUS STARTING POINT button to plan a route back to where you last started from.

   The system will use the planning methods you previously selected. These methods will be displayed in a pop-up window under the ROUTE SETTING heading on the map. Touch the CHANGE button if you wish to change the route planning methods before continuing. See “Route Setting” later in this section for more information.
6. Touch the ENTER button to start planning your route.

   If available, the system will display up to three routes in a pop-up window indicating the total mileage and time to destination for the planned route which can be selected by using the NEXT button. The map will display the difference between the three routes by displaying them each in different colors. The selected route is highlighted in red.
7. To start route guidance, touch the START button or begin driving the vehicle. Route guidance will automatically begin after a short distance.

   If you touch the CHG ROUTE button before the START button you will be able to change your route preferences if desired. See “Route Preference” later in this section for more information.

   When your route has been planned, it will be highlighted and a bulls-eye symbol will appear on the map to show your final destination. A waypoint symbol will also appear on the map if a waypoint is set.

If you wish to cancel the route you have just set, do the following:

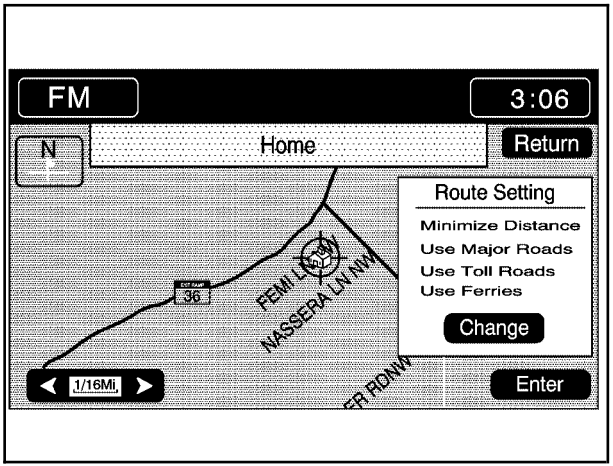
1. Press the ROUTE hard key.
2. Touch the ROUTE PREFERENCE button.
3. Touch the CANCEL ROUTE button.
4. Select YES to cancel or NO to continue.

   See “Cancel Route” later in this section for more information.

Home

This feature allows you to 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 will not be available.

1. Press the ROUTE hard key
2. Touch ENTER DESTINATION.
3. Touch the HOME button.



4. The system will use the planning methods you previously selected. These methods will be displayed in a pop-up window under the ROUTE SETTING heading on the map. Touch the CHANGE button if you wish to change the route planning methods before continuing. See “Route Setting” later in this section for more information.

5. Touch the ENTER button to start planning your route.

   If available, the system will display up to three routes in a pop-up window indicating the total mileage and time to destination for the planned route. Select one using the NEXT button. The map will display the difference between the three routes by displaying them each in different colors. The selected route is highlighted in red.

6. To start route guidance, touch the START button or begin driving the vehicle. Route guidance will automatically begin after a short distance.

   If you touch the CHG ROUTE button before the START button you will be able to change your route preferences if desired. See “Route Preference” later in this section for more information.

   When your route has been planned, it will be highlighted and a bulls-eye symbol will appear on the map to show your final destination. A waypoint symbol will also appear on the map if a waypoint is set.

If you wish to cancel the route you have just set, do the following:

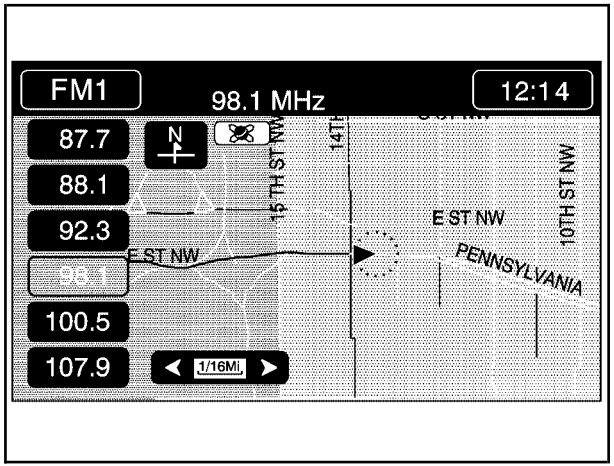
1. Press the ROUTE hard key.
2. Press the ROUTE PREFERENCE button.
3. Touch the CANCEL ROUTE button.
4. Select YES to cancel or NO to continue.

   See “Cancel Route” later in this section for more information.

Set by Map

This method allows you to select a destination by using the scroll icon. To use this feature, do the following:

1. Press the ROUTE hard key.
2. Touch ENTER DESTINATION.
3. Touch the SET BY MAP button. Once this button is selected, you will return to the current position of your vehicle’s location on the map.



4. Use the scroll icon to select your desired destination. The zoom in and zoom out feature can be used at this time to assist you in finding the desired location. See *Maps on page 2-37*.

   The system will use the planning methods you previously selected. These methods will be displayed in a pop-up window under the ROUTE SETTING heading on the map. Touch the CHANGE button if you wish to change the route planning methods before continuing. See “Route Setting” later in this section for more information.

5. Touch the ENTER button to start planning your route.

   If available, the system will display up to three routes in a pop-up window indicating the total mileage and time to destination for the planned route. Select one using the NEXT button. The map will display the difference between the three routes by displaying them each in different colors. The selected route is highlighted in red.

6. Touch the START button or begin driving the vehicle to start route guidance. Route guidance will automatically begin after a short distance.

   If you touch the CHG ROUTE button before the START button you will be able to change your route preferences if desired. See “Route Preference” later in this section for more information.

   When your route has been planned, it will be highlighted and a bulls-eye symbol will appear on the map to show your final destination. A waypoint symbol will also appear on the map if a waypoint is set.

If you wish to cancel the route you have just set, do the following:

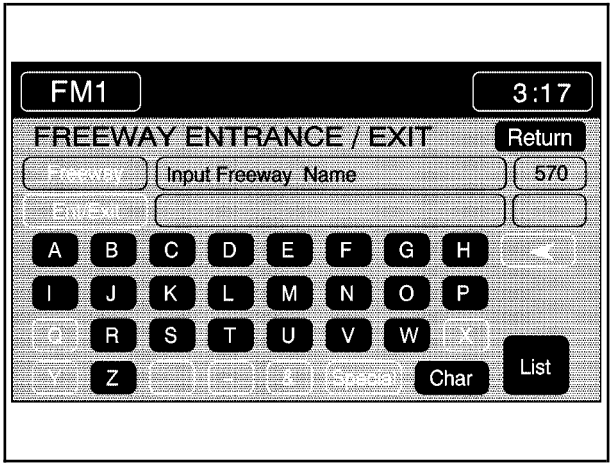
1. Press the ROUTE hard key.
2. Touch the ROUTE PREFERENCE button.
3. Touch the CANCEL ROUTE button.
4. Select YES to cancel or NO to continue.

   See “Cancel Route” later in this section for more information.

Freeway Entrance/Exit

You can select either a freeway entrance or an exit as a destination. To enter a freeway name, do the following:

1. Press the ROUTE hard key.
2. Touch ENTER DESTINATION.
3. Touch the FREEWAY ENTRANCE/EXIT button.



4. Enter the freeway name using the alphabet key pad.

   Freeways may have a name and a number associated with them. You may need to refer to this associated name or number when entering the freeway information. Freeways are also referred to by their abbreviated names. For example, Interstate 75 in the U.S. is selected by entering I–75.

5. As you enter a freeway name, the LIST button will become available.

   Touch the LIST button to view the list of available name choices or continue to spell the name to further reduce the list of available items. The system will supply a list of names to make a selection from when the choice is five or less.

   If you are unsuccessful when inputting a name, the name may need to be input differently, the map DVD (database) may not contain this information, or the name may be misspelled.

6. Select a freeway from the list.

7. The ENTRANCE or EXIT options will appear. Press ENTRANCE to select the entrance to the freeway that you selected in Step 4. Press EXIT to select the exit ramp of the freeway you selected in Step 4.

   When either button is touched, it will give an alphabetical list of every freeway entrance and exit ramp on the freeway you entered. You may touch the DIST SORT toggle button to sort the selection by distance from your current location. To change back to a sort by name, touch the NAME SORT toggle button.

8. Select the desired freeway entrance or exit from the list. A map will appear with the destination shown.

   The system will use the planning methods you previously selected. These route methods will be displayed in a pop-up window under the ROUTE SETTING heading on the map. Touch the CHANGE button if you wish to change the route planning methods before continuing. See “Route Setting” later in this section for more information.

9. Touch the ENTER button to start planning your route.

   If available, the system will display up to three routes in a pop-up window indicating the total mileage and time to destination for the planned route. Select one using the NEXT button. The map will display the difference between the three routes by displaying them each in different colors. The selected route is highlighted in red.

10. To start route guidance, touch the START button or begin driving the vehicle. Route guidance will automatically begin after a short distance. If you touch the CHG ROUTE button before the START button you will be able to change your route preferences if desired. See “Route Preference” later in this section for more information.

    When your route has been planned, it will be highlighted and a bulls-eye symbol will appear on the map to show your final destination (a waypoint symbol will also appear on the map if a waypoint is set).

If you wish to cancel the route you have just set, do the following:

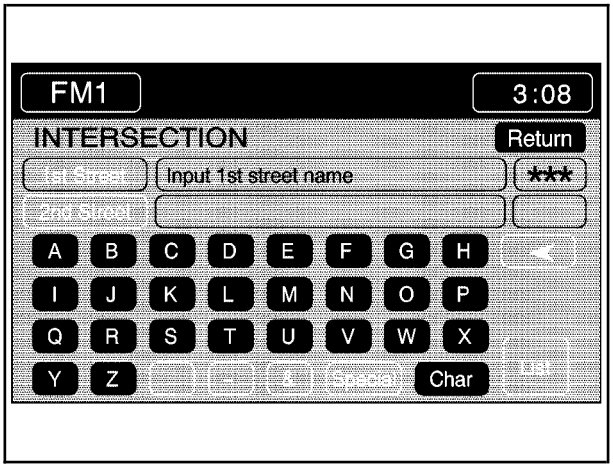
1. Press the ROUTE hard key.
2. Touch the ROUTE PREFERENCE button.
3. Touch the CANCEL ROUTE button.
4. Select YES to cancel or NO to continue.

   See “Cancel Route” later in this section for more information.

Intersection

Intersection allows you to select a destination by inputting the intersecting roads you wish to travel to. To enter a intersection, do the following:

1. Press the ROUTE hard key.
2. Touch ENTER DESTINATION.
3. Touch the INTERSECTION button.



4. Enter the name of the first street with the correct prefixes and/or suffixes in the intersection using the alphabet key pad.
5. To view the list of available name choices, touch the LIST button or continue to spell the name to further reduce the list of available items. The system will automatically supply an alphabetical list of the intersecting streets if the number of intersecting streets is five or less.
6. Select the first street.

7. Enter the second street name with the correct prefixes and/or suffixes using the alphabet key pad.

8. Select the second street name from the alphabetical list of the intersecting streets. To view the list of available name choices, touch the LIST button or continue to spell the name to further reduce the list of available items. The system will automatically supply an alphabetical list of the intersecting streets if the number of intersecting streets is five or less.

   If there are multiple intersections of the same two roads, the system will give a list in alphabetical order of cities to choose from. Choose a city from this list. A map with the intersections for that city will appear.

   The system will use the planning methods you previously selected. These methods will be displayed in a pop-up window under the ROUTE SETTING heading on the map. Touch the CHANGE button if you wish to change the route planning methods before continuing. See “Route Setting” later in this section for more information.

9. Touch the ENTER button to start planning your route.

   If available, the system will display up to three routes in a pop-up window indicating the total mileage and time to destination for the planned route. Select one using the NEXT button. The map will display the difference between the three routes by displaying them each in different colors. The selected route is highlighted in red.

10. To start route guidance, touch the START button or begin driving the vehicle. Route guidance will automatically begin after a short distance.

    If you touch the CHG ROUTE button before the START button you will be able to change your route preferences if desired. See “Route Preference” later in this section for more information.

    When your route has been planned, it will be highlighted and a bulls-eye symbol will appear on the map to show your final destination. A waypoint symbol will also appear on the map if a waypoint is set.

If you wish to cancel the route you have just set, do the following:

1. Press the ROUTE hard key.
2. Touch the ROUTE PREFERENCE button.
3. Touch the CANCEL ROUTE button.
4. Select YES to cancel or NO to continue.

   See “Cancel Route” later in this section for more information.

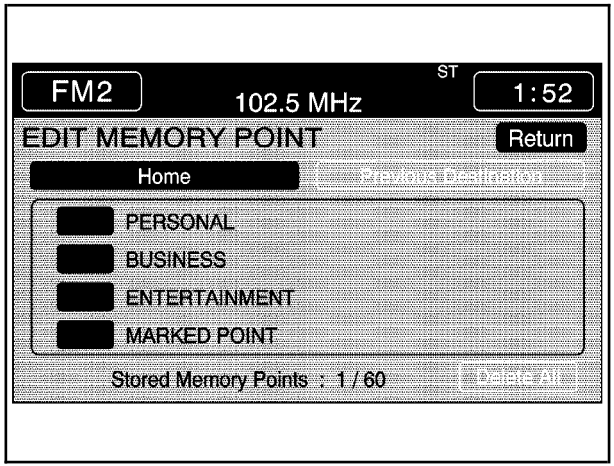
Edit Memory Point

Touch the EDIT MEMORY POINT button to store, delete and edit memory points. See also “Memory Points” listed previously in this section for more information.

To access the EDIT MEMORY POINT menu, do the following:

1. Press the ROUTE hard key.
2. Touch EDIT MEMORY POINT.

You can store memory points for the following categories.



Memory points are stored when you select either the START or the MARK buttons when setting a destination on the map or when you store destinations in memory.

A total of 60 locations can be stored. The last 10 destinations entered will automatically be stored under PREVIOUS DESTINATION. In addition, one memory point can be stored under the HOME category.

If all 60 stored points are entered, the system will notify you that there is no available storage left in memory points. A stored memory point must be removed in order to add additional memory points.

Registering Memory Points

This feature allows you the ability to store a memory point. To store a memory point in a category:

1. Select one of the categories listed on the EDIT MEMORY POINT menu.
2. Touch the REGISTER button.
3. Select the desired method of entering a destination to enter the memory point. See “Enter Destination” listed previously in this section for more information. A map screen will appear displaying the selected memory point location.
4. If available, touch the INFO button to view the address information of the selected point.
5. Touch ENTER to store the point as a memory point.

Editing Memory Points

This feature allows you to edit the contents stored in memory.

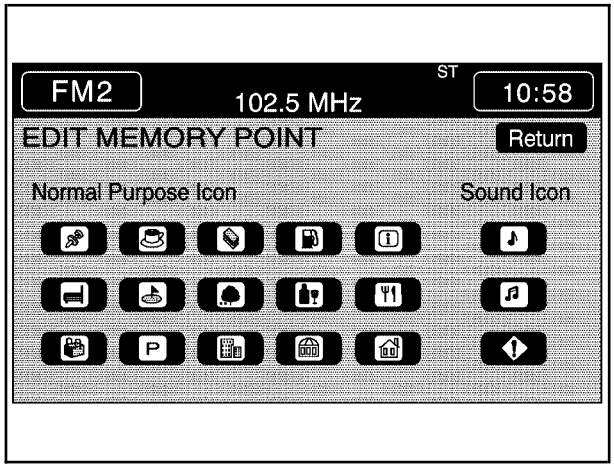
The following items can be edited:

- Changing the icon of a memory point displayed on the map
- Name of a memory point
- Moving a memory point to a different category
- Changing the location of a memory point on the map
- Changing the phone number of a memory point

Icon Editing of a Memory Point

This feature will allow you the ability to modify the default icon that each memory point is displayed with. To edit an icon, do the following:

1. Select the category where the memory point exists.
2. Select the item you wish to edit.
3. Touch the icon button. The edit memory point icon screen will appear.



4. Touch the icon of choice. The system will automatically return to the edit memory point menu when an icon is selected.
5. Touch the RETURN button to take you back to the previous screen.

You will see the stored memory point icon on the map.

When selecting the icon, you will be provided with 18 different icons, three of which are sound icons that can be selected for that memory location. The same icon may be used on other memory points as well.

Name Editing of a Memory Point

This feature allows you to modify the name of a stored memory point. To change the name of an item, do the following:

1. Select the category where the memory point exists.
2. Select the memory point desired to edit.
3. Touch the NAME button. The alphabet key pad will appear.
4. Use the alphabet key pad and the backspace arrow as appropriate to edit the name.
5. Touch the RETURN button to take you back to the previous screen when you have finished.

The names can consist of up to 15 alpha and/or numeric characters. If an incorrect letter or number is entered, you can use the left arrow key to back up or touch and hold the left arrow to delete all of the characters.

Moving Memory Points

This feature allows you to select a memory point and move the contents from one category to one of the other three categories. To move an item, do the following:

1. Select the category where the memory point exists.
2. Select the memory point desired to edit.
3. Touch the CATEGORY button. A list of the four categories will appear. The current category where the item exists will be highlighted and cannot be selected.
4. Touch the CATEGORY button that you want the item to be placed in. A pop-up window will appear displaying the change in the category names.
5. Touch the RETURN button to take you back to the previous screen when you have finished.

Adjusting of a Memory Point

This feature allows you to relocate the memory point. To adjust a location of an item, do the following:

1. Select the category where the memory point exists.
2. Select the memory point desired to edit.
3. Touch the POSITION button. A map screen with the position of this item will appear.
4. Touch anywhere on the screen to use the scroll feature.
5. Touch the ENTER button. The memory point is now moved.
6. Touch the RETURN button to take you back to the previous screen when you have finished.

Changing the Phone Number of a Memory Point

This feature allows you to edit and add the phone number of a point stored in memory. To change a phone number of a memory point, do the following:

1. Select the category where the memory point exists.
2. Select the memory point desired to edit.
3. Touch the PHONE button. A numeric keypad will appear.
4. Use the numeric keypad and the backspace arrow to edit as appropriate.
5. Touch the RETURN button to take you back to the previous screen when you have finished.

Deleting Single Memory Points

This feature allows you to delete a single memory point. To delete a memory point, do the following:

1. Press the ROUTE hard key.
2. Touch EDIT MEMORY POINT.
3. Select the category where the memory point exists.
4. Touch the DELETE button.
5. Select the memory point you wish to delete.
6. A confirmation window will appear. Touch YES to delete the memory point or NO to return to the previous menu.
7. Touch the RETURN button to take you back to the previous screen when you have finished.

Deleting All Memory Points

This feature allows you to delete all memory points in a category. To do this, use the following steps:

1. Press the ROUTE hard key.
2. Touch EDIT MEMORY POINT.
3. Select the desired category.
4. Touch the DELETE ALL button.
5. A confirmation window will appear. Touch YES to delete the memory points or NO to return to the previous menu.
6. Touch the RETURN button to take you back to the previous screen when you have finished.

Edit Category

This feature allows you to change the name of a category. To change the name of a category, do the following:

1. Press the ROUTE hard key.
2. Touch EDIT MEMORY POINT.
3. Select the category desired.
4. Touch the EDIT CATEGORY button and the alphabet key pad will appear.
5. Use the alphabet key pad and the backspace arrow as appropriate to edit the category name.
6. Touch the RETURN button to take you back to the previous screen when you have finished.

The name can consist of up to 15 alpha and/or numeric characters. If an incorrect letter or number is entered, you can use the left arrow key to back up or touch and hold the left arrow to delete all of the characters.

Marked Point

A marked point is a memory point which has been stored by selecting the MARK button while traveling on a planned route. You can also use the scroll feature to plan a destination on the map after reaching a destination and pressing the map screen, or by moving a destination memory point to a marked point category. See “Moving Memory Points” listed previously in this section for more information.

Previous Destination Memory

Each time you select the START button from the map screen, that destination will be stored as a memory point under PREVIOUS DESTINATION. This category will store up to 10 destination points.

The previous destination memory category will not let you know when you have stored more than 10 destinations. The system will remove the oldest destination stored and add the most recent one selected to the list.

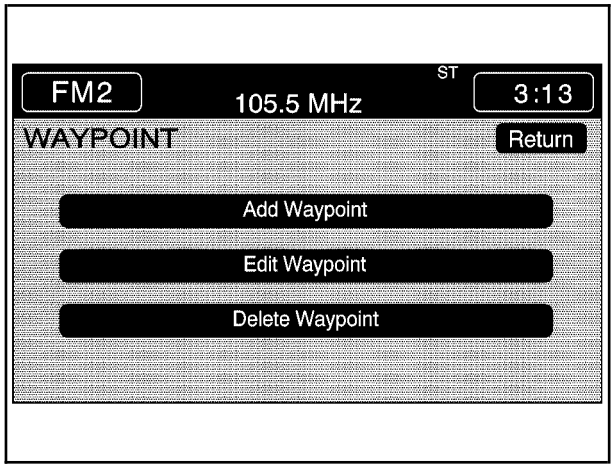
If you do not want a destination that is stored to be lost, you must move the destination into PERSONAL, BUSINESS, ENTERTAINMENT or MARKED POINT. See “Moving Memory Points” listed previously in this section.

Home Memory

This is a memory point which is stored by selecting the HOME button from the edit memory point screen. See “Home” and “Registering Memory Points” listed previously for more information on how to save a destination to this category.

You can register one specific destination using the home feature. This feature should be used to store a destination that you frequently travel to.

Edit Waypoint



This feature allows you to add, edit and delete waypoints, which are destinations you can set along the way to a final destination.

The system will allow you to set up to five waypoints, excluding your final destination.

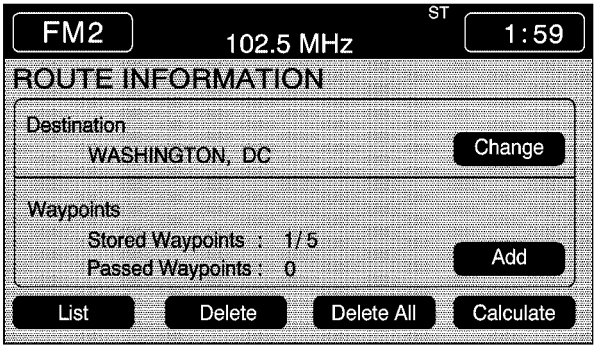
To access the WAYPOINT menu, do the following:

1. Press the ROUTE hard key.
2. Touch EDIT WAYPOINT.

Adding a Waypoint

To add a waypoint to your route, do the following:

1. Touch the ADD WAYPOINT button.
2. Enter a destination by selecting your desired method of entering a destination. See “Enter Destination” listed previously in this section.
3. A map screen will appear showing the location of the waypoint. Touch ENTER to add your waypoint.
4. Touch the ADD button to insert the waypoint in the desired order.
5. The system will display the ROUTE INFORMATION screen. At this screen, several options are available.



LIST: Touch this button if you wish to view the waypoint on the map screen or to change the order of the waypoints and final destination. To change the order, touch the CHG ORDER button and then touch the blank button next to the destination to select the order of the waypoints and final destination. Press the MAP button to view the destination and the waypoints on the map screen.

DELETE: Touch this button if you wish to delete any of the waypoints or the final destination. A confirmation window will appear. Touch YES to delete the point or touch NO to return to the previous screen.

DELETE ALL: Touch this button if you wish to delete all of the waypoints and the final destination. A confirmation window will appear. Touch YES to delete all waypoints or touch NO to return to the previous screen.

CHANGE: Touch this button if you wish to change the final destination. Enter a destination by selecting the desired method for entering a destination. See “Enter Destination” listed previously in this section.

ADD: Touch this button if you wish to add additional waypoints. Refer to steps listed previously in this section.

CALCULATE: Touch this button to begin route calculation. This button will only be available if the final destination has been set.

Edit Waypoint

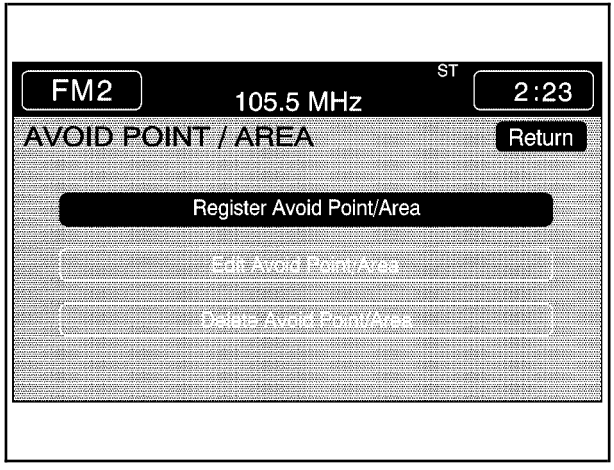
This button allows you to edit waypoints that have already been set. After touching the EDIT WAYPOINT button, touch MAP to view the destination location on the map screen. Touch CHANGE ORDER to change the order of the waypoints and the final destination. You can also use the map scroll to change a waypoint from one location to another.

Delete Waypoint

This button allows you to delete waypoints that have already been set. To delete waypoints, do the following:

1. Touch the DELETE WAYPOINT button.
2. Select the waypoint you wish to delete.
3. A confirmation window will appear. Touch YES to delete the waypoint or NO to return to the previous menu.

Edit Avoid Point/Area



This menu will let you register, edit and delete an area to be avoided while planning a route. The system can also save these areas in memory so the system can automatically avoid areas when planning a route.

To access the AVOID POINT/AREA menu, do the following:

1. Press the ROUTE hard key.
2. Touch EDIT AVOID POINT AVOID/AREA.

Register Avoid Point/Area

To store an avoid point/area, do the following:

1. Touch the REGISTER AVOID POINT/AREA button.
2. Enter a location by selecting the desired method of entering a destination. See “Enter Destination” listed previously in this section.
3. If desired, reduce or enlarge the area around the point you want to avoid by using the REDUCE or ENLARGE buttons.

   If an avoid point cannot be avoided, the system will display “Avoid Point and Area Stored. Route May Not Avoid the Avoid Point and Areas.”

4. Touch ENTER to set the area as an avoid point area. When using the REDUCE or ENLARGE buttons, a square will appear to represent the area or an X will appear to represent the area avoided. When an avoid point is set, the square will appear as green.

Touch the RETURN button to go back to the plan route main menu.

Edit Avoid Point/Area

This feature allows you to edit the registered avoid points that are stored in the system. To edit an avoid point area, do the following:

1. Touch the EDIT AVOID POINT/AREA button and the list of avoided points will appear.
2. Select the avoided point desired. A map of the avoided area will appear.
3. You can now use REDUCE or ENLARGE to edit the avoided point.
4. Touch ENTER to set your new avoided area. The system will display “Area Adjusted.”

Touch the RETURN button to take you back to the previous screen when you have finished.

Delete Avoid Point/Area

This feature allows you to delete the registered avoid points that are stored in the system. To delete an avoid point:

1. Touch the DELETE AVOID POINT/AREA button and the list of avoided points will appear.
2. Select an avoid point to be deleted.
3. After you have selected the point, the system will ask “Delete avoid and area? Yes or No.”
4. Touch Yes and the area will no longer be avoided when traveling on a planned route.

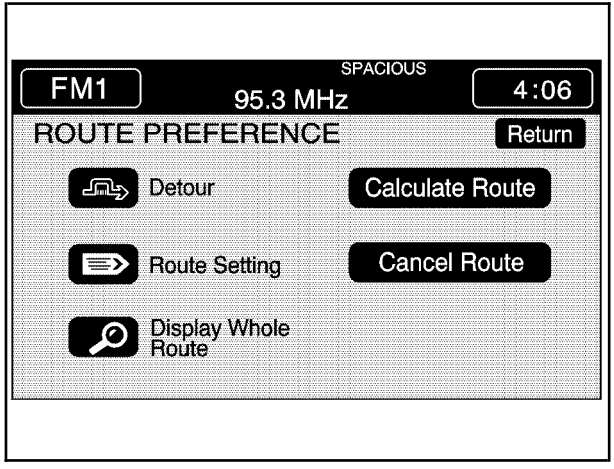
Touch the RETURN button to take you back to the previous screen when you have finished.

Route Preference

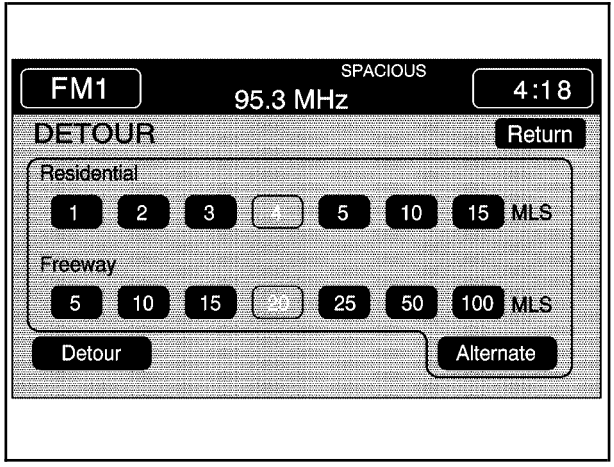
Use this feature to change your planning options.

1. Press the ROUTE hard key to enter the PLAN ROUTE menu.
2. Touch the ROUTE PREFERENCE button.

The following options will be available in this menu. The following section will explain how to use each feature.



Detour



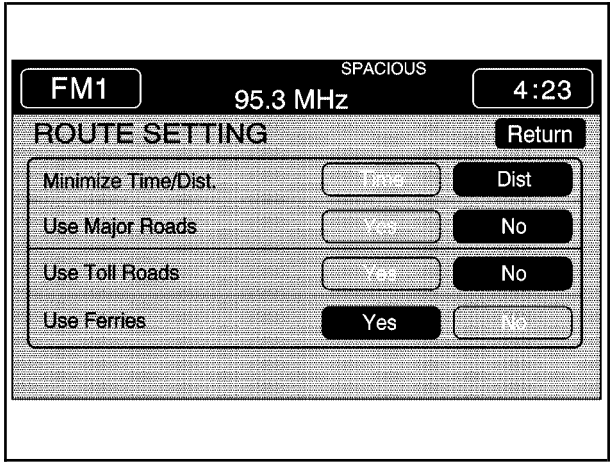
This feature allows you to choose a distance in miles or kilometers to detour. Select the detour distance desired for residential roads and freeways.

The next time you use DETOUR, the system will use these settings unless you change them.

Touch the ALTERNATE button and the system will provide a new route that doesn't use the detour settings you have stored previously.

Touch the RETURN button to take you back to the previous screen when you have finished.

Route Setting



ROUTE SETTING allows you to display and change the planning methods used each time you plan a route. With the planning method options, you are able to select the fastest route based on time or distance, using only major roads, using toll roads and using ferries based on the systems' information and information contained on the map DVD.

To access the ROUTE SETTING menu, do the following:

1. Press the ROUTE hard key.
2. Touch ROUTE SETTING.

Minimize Time/Dist: The system will calculate the fastest route or shortest route possible. The system determines the fastest route based on the amount of turns necessary and the type of navigable roads available or the shortest route available based on mileage.

Use Major Roads: The system will calculate the best route by using only major roads unless a route cannot be found without the use of a secondary road. This selection will not always offer the shortest distance or time to your destination.

Use Toll Roads: The system will calculate the best route using toll roads wherever possible. This selection will not always offer the shortest distance or time to your destination.

Use Ferries: The system will calculate the best route using ferries when possible. This selection will not always offer the shortest distance or time to your destination.

Display Whole Route

Touch this button to display your entire planned route. The total mileage and time to destination for the planned route will be displayed on the map screen. Press the RETURN button to take you back to the Route Preference menu.

Calculate Route

Touch this button to begin the route calculation for the selected destination.

Cancel Route

If you are traveling on a planned route and would like to cancel it, touch the CANCEL ROUTE button. The system will ask you to confirm by touching the YES button. Touch the YES button to cancel your planned route or touch the RETURN button to not cancel your planned route.

Maps

This section includes basic information that you need to know about the map database.

Regional Maps

The maps are stored on a DVD (Digital Video Disc). The United States (excluding Alaska and Hawaii) and portions of Canada are contained in one disc.

If a regional map does not contain a specific name of a city, the map DVD may not contain the city or it may be misspelled.

Refer to the Navigation System Map Disc manual to view a detailed explanation of map coverage and detailed city lists in each region. This manual will be in your map DVD case when the vehicle is delivered from the factory.

Installing the Map DVD

When your vehicle is delivered from the factory, the dealer may have installed the map DVD. If the map DVD was not installed in your vehicle when first purchased, use the following directions to load the map DVD:

Read the following steps completely before operating this feature.

1. Turn the ignition to ON or ACCESSORY.
2. With the vehicle in PARK (P), press and hold the TILT hard key until a beep is heard. The faceplate of the system will open.
3. If already loaded, the map DVD or a CD will eject from the slot which is only visible when the faceplate is open.
4. Load the map DVD into the slot by inserting it partially until the system pulls it in.
5. Press and release the TILT hard key to close the faceplate.

Notice: **Shifting out of PARK (P) with the system's faceplate open will cause the faceplate to close automatically. This could cause damage to a CD, DVD or the system if it is partially loaded. Before shifting out of PARK (P), make sure that the DVD or CD is loaded properly. The vehicle must be shifted back into PARK (P) to close the faceplate.**

Once the map DVD is inserted correctly or when you press the map hard key, you will have the following two choices:

- LANGUAGE (Language Symbol)
- I AGREE

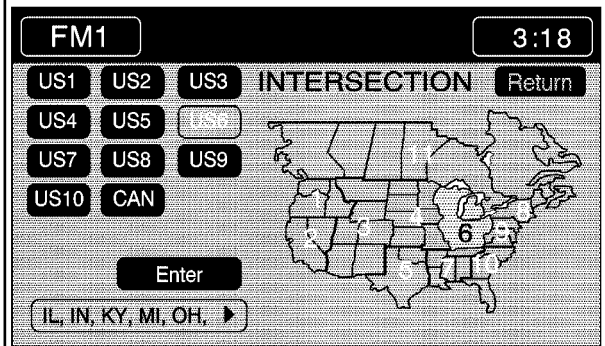
You can change the language to one of the five that are available by touching the language symbol or you can touch "I AGREE." See *Setup Menu on page 1-3* for more information. Once a language is selected, touch I AGREE to plan a route. The map will appear with your current vehicle position on the map.

Setting the Search Area

Use the following directions to determine and change the system's search area.

1. Press the ROUTE hard key to view the PLAN ROUTE screen.
2. Touch the ENTER DESTINATION button.

3. Touch the CHANGE button under the Search Area heading. The system will display a map with each region represented.

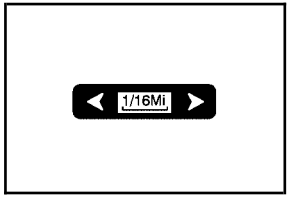


4. Select the desired region by touching the appropriate button (US1, US2, CAN, etc.). The name of the states or the country included on the selected region are displayed at the bottom of the screen and the area displayed on the map image is highlighted.
5. Touch ENTER to set the region chosen as the system's search area.
6. Touch RETURN to go back to the destination screen.

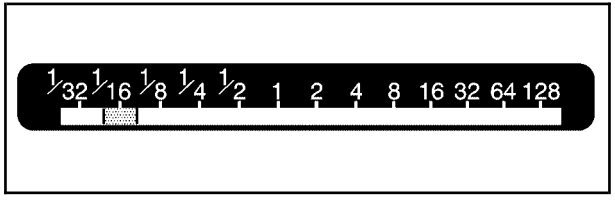
Map Adjustments

The system allows you to adjust the scale of view on the map. Also, as you drive, the map will scroll automatically based on the direction you are traveling.

Map Scales

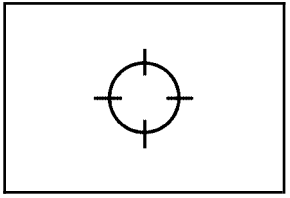


To view a larger or smaller scale of the map, touch the map scale arrows.



You can change the level of map detail by either zooming in or zooming out using the arrow buttons or by touching the scale on the bar. The system will adjust 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 will appear. Use this feature to scroll through the map.

You can hold your finger in any direction outside of the scroll symbol and the map will continue to scroll in that direction until you remove your finger from the map screen.

If scrolling while your vehicle is in PARK (P), the system will scroll initially at a slower rate. It will increase if you continue touching the map screen.

If scrolling while your vehicle is in motion, you have one scroll speed and a limited distance to scroll. You have to keep touching the map screen to scroll for a longer distance.

If you have used the scroll feature to scroll the map and your vehicle icon becomes lost, press the MAP hard key to return to the current vehicle location on the map.

You can use the scroll feature on the map to set a destination. See *Easy Planning Route on page 2-4*.

Hard Keys, Touch-Sensitive Buttons and Symbols Used

This system operates by the hard keys on the outside of the Navigation System and the touch-sensitive buttons on the screen.

Hard Keys

The following hard keys are located on the outside of the navigation screen:

PWR (Power): Press this knob lightly to turn the system on or off.

VOL (Volume): To increase volume, turn the knob clockwise. Turn it counterclockwise to decrease the volume.

When the audio system is on, you will hear the audio system even if you are using a menu screen. The volume will be decreased and faded to the rear speakers whenever a voice prompt message from the Navigation system is active. The volume will be muted while using OnStar or while on a call with the factory-installed cellular phone.

∧ TUNE SEEK ∨ : Use this switch to seek to the next or previous station when listening to the radio.

While using the CD player, optional CD changer or the DVD player, this switch can be used to advance or reverse tracks and chapters. See *Audio System on page 3-2*, *Six-Disc CD Changer on page 3-22* and *CD/DVD Player on page 3-26* for more information.

BAND: This hard key changes the selected audio source (AM, FM 1/2, XM 1/2 if equipped, WX). If you are in a map mode and press this hard key, the audio source preset menu will not change but the audio source will. See *Audio System on page 3-2* for more information.

CD: This hard key is used to display the CD changer or the CD player menus. This button is not available if a CD is not loaded in the CD changer or in the CD player. See *Audio System on page 3-2* for more information.

DVD: This hard key is used to display the DVD player menu when a DVD is installed. See *Audio System on page 3-2* for more information.

♪ (Audio Adjust): This hard key is used to display the audio system's main menu. See *Audio System on page 3-2* for more information.

REPEAT: This hard key will repeat the last voice prompt heard while on a planned route. See *Map and Repeat on page 2-2* for more information.

MAP: Pressing this hard key will take you to the map screen.

ROUTE: This hard key is used to display the plan route menu. See *Plan Route on page 2-3* for more information.

SETUP: This hard key is used to display the Navigation System's setup menu. See *Setup Menu on page 1-3* for more information.

TILT ⏏ : This hard key is used to open the Navigation System's faceplate for loading or removing the map DVD, a video DVD, or an audio CD. This hard key can only be used when the vehicle is in PARK (P). See *Maps on page 2-37* and/or *Audio System on page 3-2* for more information.

Alphabet Touch Screen

The alphabet touch screen(s) will automatically be available whenever the system needs information from you.

To make your name selections easier, the system will allow you to only select the characters that are currently available. The system will automatically show the available and unavailable characters.

If you touch a wrong character, use the left arrow to back up.

There are two pages of available symbols/characters to select from in the alphabet key pad. If the name you are trying to enter contains a number, punctuation mark, hyphen, accent mark or other symbol then touch the CHAR button to display the available symbols and numbers. Touch the A–Z button to return to displaying the alphabet keys.

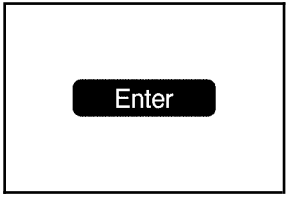
The space icon is available on both alphabet key pad pages to enter a space.

If you are unsuccessful when inputting a name, the name may need to be selected slightly differently or the map DVD (database) may not contain this information. See *Database Coverage Explanations on page 2-53*.

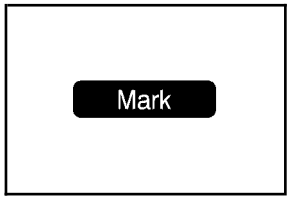
Touch-Sensitive Buttons

Touch-sensitive buttons are located on the screen. When you touch a button on the screen, a beep will be heard. If you touch a button on the screen and it doesn't beep, move your finger away from the screen and then try again. These buttons will be lighted when a feature is available (active) and dim when they are unavailable (not active). There are some toggle touch-sensitive buttons that will be light blue when on and dark blue when off.

The following buttons are the most common buttons that will appear on the map screen.

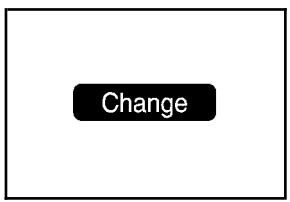


This button will appear on the map screen after you have entered your selected route.



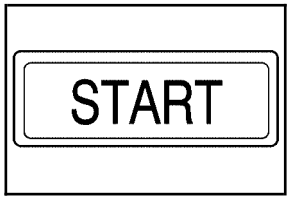
This button will appear on the map screen after inputting a destination using the Easy Planning Route or when you touch the map screen without a planned route.

You can select this button to store a location as a memory point. See *Easy Planning Route on page 2-4*.



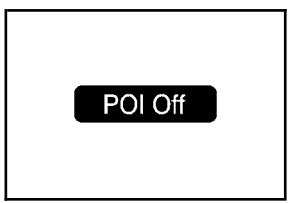
This button will appear on the map screen under the ROUTE SETTING heading after inputting a destination.

After touching this CHANGE button, the system will take you to the ROUTE SETTING screen where you can change your planning options. See *Easy Planning Route on page 2-4*.



This button will appear on the map view screen after route planning has been completed.

When you touch the START button, the system will start providing you with route guidance and return to your guidance method. See *Easy Planning Route on page 2-4*.



This button allows you to turn off the POI (Point of Interest) category icons.

When you touch POI Off, the system will remove the POI category icons from the map. See “Removing Quick POI Icons” under *Setup Menu on page 1-3* for more information.

This button allows you to turn on the POI (Point of Interest) category icons and make them available to appear on the map screen. See *Setup Menu on page 1-3*.

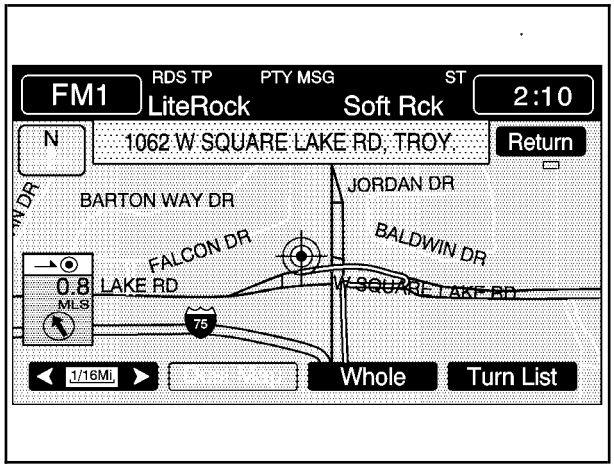
This button allows you to enter a waypoint from the map screen when using the Easy Planning Route. See *Easy Planning Route on page 2-4*.

This button will appear on the map view screen while on a planned route. It allows you to minimize or maximize your view of the guidance screen.

Touch this button again to return to the normal view of the guidance screen. See *Setup Menu on page 1-3*.

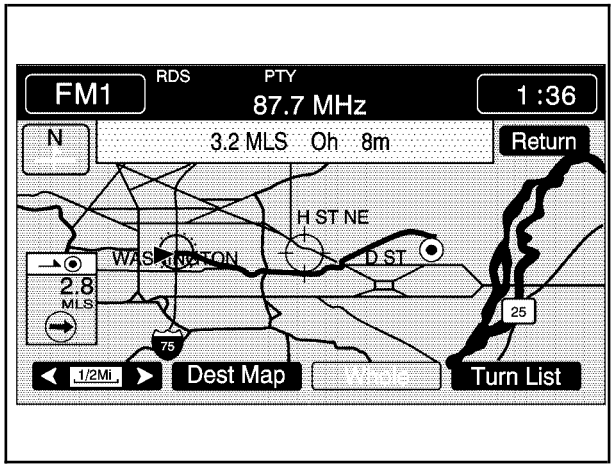
This button will appear on the map screen while on a planned route. When this button is selected, the DEST MAP, WHOLE and TURN LIST buttons are displayed on the map screen.

These buttons can be used as follows:



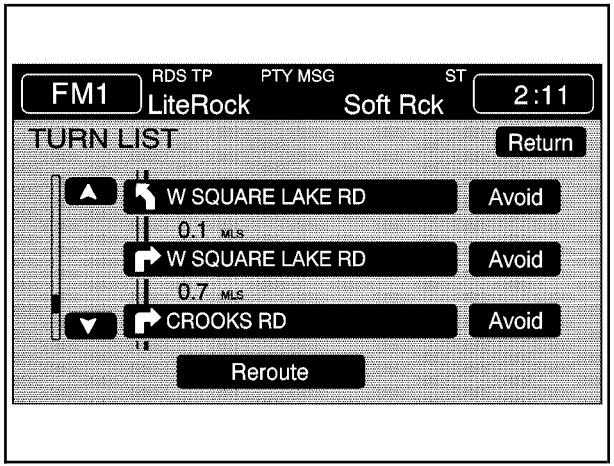
Dest (Destination) Map

DEST (Destination) MAP: This button will allow you to view the final destination location. The destination name or address will be displayed on the map screen. Touch the RETURN button when finished.



Whole Route

WHOLE: This button will allow you to view the entire planned route. The distance and miles to destination will be displayed on the map screen. Touch the RETURN button when finished.



Turn List

TURN LIST: This button will allow you to view a step-by-step listing of upcoming street names, the distance that you will travel on the road and turns you will need to make during your planned route.

After touching the TURN LIST button, the system may take some time to create the turn list. The length of time will vary on the length of your route and the planning methods that you have selected.

The list reads from bottom to top. The bottom street name is the street you are currently on. The system automatically updates this screen as you make each turn. You are also able to touch the scroll up and down arrow buttons providing scroll is available. Touching the down arrow button brings you to your current location. Touching the up arrow button will give you upcoming streets. At times, there may not be names available for entrance or exit ramps.

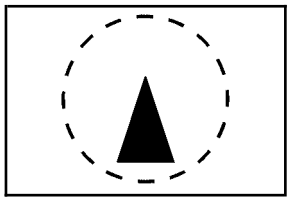
To avoid a turn, touch the AVOID button for the turn you wish to avoid. You can now use REDUCE or ENLARGE to edit the avoided point. Touch Reroute or press the map hard key to start calculating your new route.

To view your current position and to turn the list screen off, touch the RETURN button.

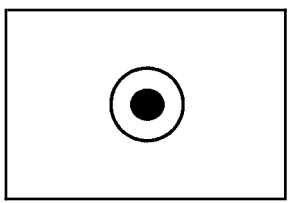
To plan a new route touch REROUTE or press the MAP hard key to start calculating your new route.

Symbols

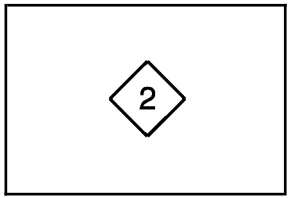
The following symbols are the most common symbols that will appear on a map screen.



Your vehicle is shown as this symbol. It indicates the current position and heading direction of your vehicle on the map screen.

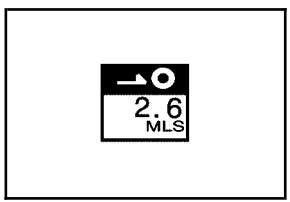


This symbol will appear on the map screen after a route has been planned showing your final destination location.

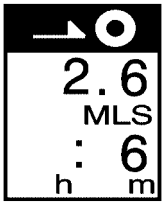


When a waypoint has been planned, you will see this type of symbol on the map screen.

The waypoint symbol will be numbered from one through five depending on how many waypoints have been set.



This symbol indicates the distance to your final destination.



This symbol indicates the distance and the estimated time remaining to your final destination when the Estimated Travel Time function is selected to be on.

This symbol indicates the vehicle icon is in “north up” direction.

Regardless of the direction of vehicle travel, the vehicle icon will always follow the north compass direction.

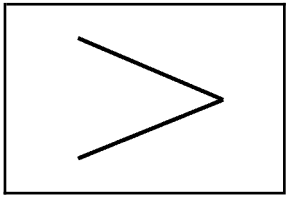
This symbol indicates the vehicle icon is in “heading up” direction.

Select this view to see your vehicle icon always traveling in an up direction on the map screen regardless of compass direction.

By touching either the North Up heading or the Vehicle Up heading will alternate between settings.

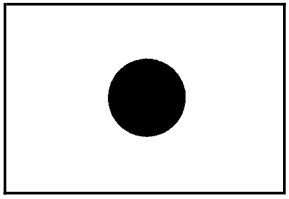
This symbol is displayed whenever the Navigation System is unable to utilize the GPS signal.

See *Global Positioning System (GPS) on page 2-51* for more information.



When a point of interest or street address name is too long to be displayed, an arrow symbol will appear.

Touch the right or left arrow button to scroll through the entire name.



This symbol indicates the position of the next turn instruction.

Auto Reroute

When your destination is set and you are off the planned route, the system will automatically begin to reroute. You will be able to see the new route highlighted on the screen.

Traveling Across Regions

If you plan to drive across many states, you may have to change the region selected to represent the area you are traveling to.

There are two ways you can plan a destination when traveling across regions.

This first method is suggested and provides the most route guidance and map display functions of the two methods.

First Method

1. Change the selected region in the search area when you get closer to the area you're traveling to. See "Setting the Search Area" under *Maps on page 2-37*.
2. Enter your destination and route settings. See *Plan Route on page 2-3* for more information.

   For example, if you were traveling from Michigan to Florida, change the region currently selected in the search area to Florida. Enter a destination in Florida under the ENTER DESTINATION menu.

Second Method

Keep your currently selected region in the search area and enter your destination. This method allows you to only select a destination from the Easy Planning Route method or from the All Points of Interest (POI) categories with the "All Search Areas" comment (US Only). For example, tourist is a category that features this comment. See *Easy Planning Route on page 2-4* for more information.

If you are traveling in or to Canada and you cross the regional border the only map scale views available are 4 mi, 8 mi, 31 mi, and 128 mi (8 km, 16 km, 64 km and 256 km). Change the selected region in the search area when you get closer to the area you're traveling to. See "Setting the Search Area" under *Maps on page 2-37* for more information.

Using the Remote Keyless Entry (RKE) Transmitter

When you insert your key into the ignition, you will see Driver 1 or Driver 2 displayed on the screen. If the driver is unknown, a message will not appear on the screen. The number on the back of the RKE transmitter corresponds to driver 1 or driver 2. The Navigation System can store memory points for driver 1 and 2 individually. See *Easy Planning Route on page 2-4* for more information.

Cellular Phone

When using the factory-installed cellular phone, the navigation voice prompts and audio will be turned off during a call. For information on the cellular phone, refer to your cellular phone owner's manual or contact your dealer.

OnStar®

When using the OnStar® system, the audio system will be muted and the navigation voice prompts will be disabled during the call. The volume of the OnStar® call can be adjusted by using the steering wheel volume controls. See "OnStar® System" in your vehicle's owner's manual index for more information.

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's ability to determine the accurate position of the vehicle.

The GPS shows the accurate 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 will appear on the map screen. Refer to *Symbols on page 2-47*.

This system may not be available/or interference may occur if the following happens:

- Signal obstructions caused by tall buildings, large trucks, tunnels,
- objects located on the rear shelf,
- satellites will not send signals if they are being repaired or improved,
- after-market glass tinting has been applied to the vehicle's rear window.

Notice: **Do not apply after-market glass tinting to the vehicle's rear window. Glass tinting will interfere with the system's ability to receive GPS signals and cause the system to malfunction. You might have to replace the rear window to correct the problem. This would not be covered by your warranty.**

For more information if you are experiencing a problem, see *If the System Needs Service on page 2-53* and *Problems with Route Guidance on page 2-52*.

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 are 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.

To relocate the vehicle position on the map, see *Setup Menu on page 1-3*.

If you experience problems with your system, you may need to calibrate the system. This may be due to tire pressure differences, or if a spare tire is installed. To calibrate the system, see *Setup Menu on page 1-3*.

Problems with Route Guidance

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

- You have not turned onto the road indicated.
- 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 2-53*.

To relocate the vehicle position on the map, see *Setup Menu on page 1-3*.

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 for assistance. For more information on calibrating the system, see *Setup Menu on page 1-3*.

Ordering Map DVDs

The map DVDs in your vehicle are the most up-to-date information available when your vehicle was purchased. The map DVD is updated once a year, provided that the map information has changed. To order a new map DVD, contact your dealer's service department. You can also log on to www.cadillac.com and search for Navigation to view new, updated database information is available.

Database Coverage Explanations

The United States, excluding Alaska and Hawaii, and portions of Canada are contained on one DVD disc. The map database contains three different levels of coverage: detailed areas, non-detailed areas and limited guidance areas. Detailed areas are available for the United States and Canada and are primarily located around metropolitan areas. Limited guidance areas are only available for the United States. The roads are displayed on the map, but route and voice guidance is not available. Non-detailed areas are available for Canada only. Major roads are included depending upon available coverage.

For more detailed information on database coverage, see the Navigation System Map Disc manual included inside the map DVD case. You may also log on to www.cadillac.com.

NOTES

Section 3 Navigation Audio System

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Radio Personalization with Home and Away Feature 3-31

Navigation Audio System

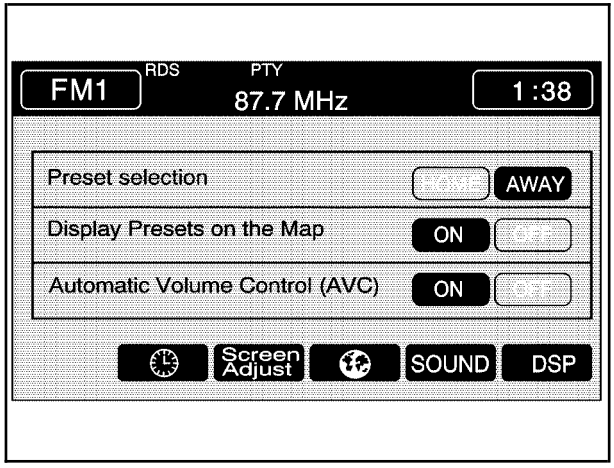
Audio System

The audio system has been designed to operate easily and give years of listening pleasure. You will get the most enjoyment out of it if you acquaint yourself with it first. Find out what your audio system can do and how to operate all its features, to be sure you're getting the most out of the advanced engineering that went into it.

The ignition must be in a position other than OFF or retained accessory power must be active for your audio system to work. See "Retained Accessory Power (RAP)" in your vehicle owner's manual index.

The audio system is controlled by using the menus in the Navigation system screen. These audio menus are explained in this section.

Playing the Radio



♪ **(Audio):** Press this hard key to view the main audio screen.

PWR (Power): Press this knob lightly to turn the system on or off.

VOL (Volume): Turn this knob clockwise or counterclockwise to increase or decrease the volume.

∧ TUNE SEEK ∨ : Press and release the up or down arrow on this switch repeatedly to manually tune to a radio station. To seek to the next higher or lower station, press and hold the up or down arrow on the switch for a few seconds. To fast tune, press and hold the up or down arrow on the switch.

While using the CD player, optional CD changer or the DVD player, this switch can be used to advance or reverse tracks and chapters. See *Six-Disc CD Changer on page 3-22* and *CD/DVD Player on page 3-26* for more information.

BAND: This hard key changes the selected audio source (AM, FM 1/2, XM 1/2 if equipped, WX). If you are in a map mode and press this hard key, the audio source preset menu will not change but the audio source will.

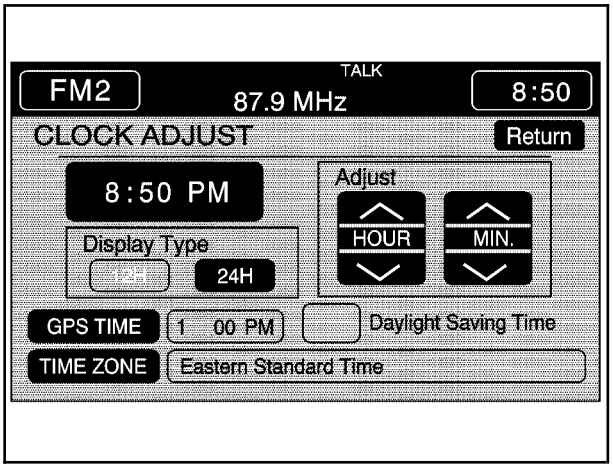
Preset Selection: Here you can program the audio system's presets to recall your home settings by touching the HOME button. You can also recall the presets you use when traveling to another area by touching the AWAY button. For more information on how to store preset stations, see "Preset Station Menu" later in this section.

The Home and Away feature is not available for the XM™ Satellite Radio Service bands (if equipped).

Display Presets on the Map: When this feature is on, your audio system's presets for the current audio source will be displayed on the left of the map screen. Touch the ON button to turn this feature on. Touch the OFF button to turn this feature off.

Automatic Volume Control (AVC): If your vehicle has the Bose system, you will have this feature. With AVC, your audio system monitors the noise in the vehicle. Then, AVC automatically adjusts the volume level so that it always sounds the same to you. To use AVC, touch the ON button. To turn it off, touch the OFF button.

Clock



Touch the button with the clock symbol or touch and hold the time display button in the upper right corner from any menu to see the menu for setting the clock. Touching the time display button will also display the date.

HOUR: Touch the up arrow to increase the hour or the down arrow to decrease the hour. If you touch and hold one of the arrows, the numbers will advance quickly.

MIN.: Touch the up arrow to increase the minutes or the down arrow to decrease the minutes. If you touch and hold one of the arrows, the numbers will advance quickly.

12H: Touch 12H to set the clock in a.m. and p.m. time.

24H: Touch 24H to set the clock in military time.

GPS TIME: The current GPS (Global Positioning System) time will be displayed to the right of this button. Touch GPS TIME to set the Navigation System's time to match the current GPS time. If the seconds for the present minute are greater than thirty when GPS TIME is selected the clock will automatically round up to the next minute.

DAYLIGHT SAVING TIME: Touch this button to increase the time setting by one hour. Then touch GPS TIME to save the new setting. If the button is light blue, the daylight savings time function is on. If the button is dark blue, the daylight savings time function is off.

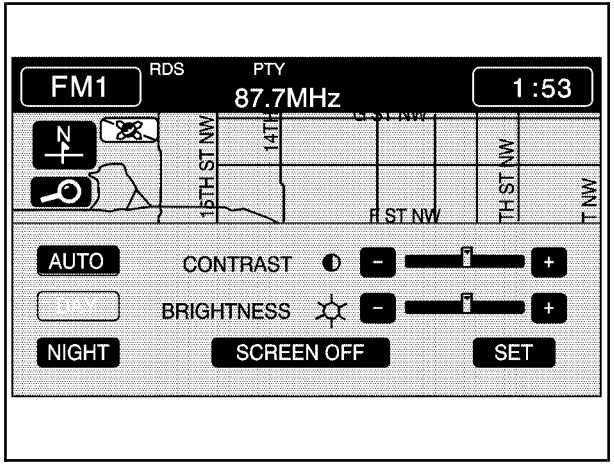
TIME ZONE: The selected time zone will appear to the right of this touch sensitive button. Touch this button to change the time zone. The time of the selected zone is displayed to the right of the GPS TIME button. To set the system clock to the new settings touch GPS TIME.

If the system is not receiving GPS information, you can still set the time manually as described above but the GPS time and the daylight saving time functions will not be available.

Touch the RETURN button to go back to the previous menu. Your time is now set.

Screen Adjust

To adjust the brightness or contrast of the screen, touch the SCREEN ADJUST button to display the following menu.



◐ **(Contrast):** Touch the plus (+) or minus (–) to adjust the contrast of the screen.

You will see the screen change. Touch the SET button to confirm the setting and take you back to the previous screen.

☼ **(Brightness):** Touch the plus (+) or minus (–) to adjust the brightness of the screen.

You will see the screen change. Touch the SET button to confirm the setting and take you back to the previous screen.

AUTO: This setting automatically adjusts the contrast and brightness of the screen. It does this by using the sensors in conjunction with your vehicle's lighting system. See "Exterior Lamps" in your owner's manual index for more information.

DAY: This setting leaves the screen in day mode. Day mode is the mode best suited for daylight conditions. The displays on the screen are usually brighter with a lighter background so that you can see them better during the brighter daylight hours.

NIGHT: This setting leaves the screen in night mode. Night mode is the mode best suited for nighttime conditions. The displays on the screen are usually dimmer with a darker background so that you can see them better during the darker nighttime hours.

SCREEN OFF: Press the SCREEN OFF button to turn off the screen. Press any hard key to turn the screen back on. The appropriate menu screen for that hard key will appear.

SET: Press SET to save your choices and exit the clock menu.

Language

Your vehicle has been set for the English language. If you wish to change the language to French, Italian, Spanish or Dutch, do the following:

1. Touch the button with the globe symbol on it.
2. Select the language you prefer. Scroll up or down if needed.
3. Touch the RETURN button to take you back to the previous screen.

If the language is changed from English to a different language, the majority of the voice guidance prompts and the screen text will change to the selected language. Remember that the menu screens will not match word-for-word as they appear in this supplement.

If you accidentally select a language and do not understand the menus, turn your engine off and open and close your door. Your Navigation System will turn off. Start the vehicle again and then touch the language symbol button to select the correct language from the start-up screen.

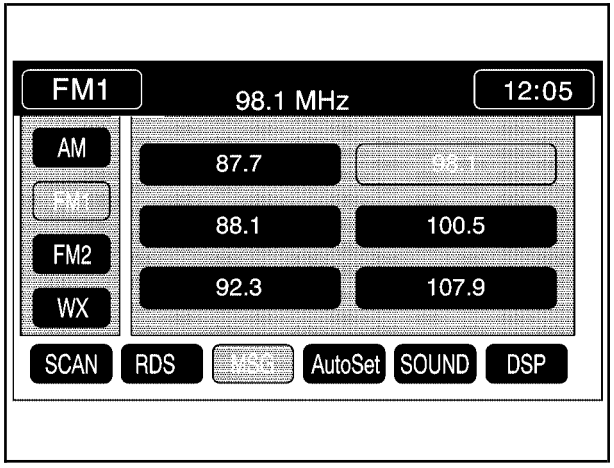
Sound

SOUND: Press this button to access the Sound menu. See “Sound Menu (Tone, DSP, Fade and Balance)” later in this section for more information.

DSP

DSP (Digital Signal Processing): Press this button to access the DSP menu. See “Adjusting the Speakers” later in this section for more information.

Finding a Station



Non-XM™ Satellite Radio Service screen shown, other sources similar

Press the BAND hard key to switch to the desired audio source (AM, FM 1/2, XM 1/2 if equipped and WX). Touch the AM, FM, XM (if equipped) or WX button to switch to the desired source menu.

The source menu screen allows you to do the following:

- change sources (AM, FM 1/2, XM 1/2 if equipped and WX),
- set your preset stations,
- scan,
- turn AutoSET on and off,
- turn Radio Data Systems (RDS) on and off while in the FM mode,
- set the sound levels (mid-range, treble, bass, balance and fade) and
- set the Digital Signal Processing (DSP) settings (if equipped).

AM, FM 1/2, XM 1/2 (if equipped) and WX (Weather Band): Touch one of these buttons to choose which source you prefer. When you touch the desired source, the selected source will turn on and the source menu screen will appear.

∧ TUNE SEEK ∨ : Use this switch to seek to the next or previous station when listening to the radio.

While using the CD player, optional CD changer or the DVD player, this switch can be used to advance or reverse tracks and chapters. See *Six-Disc CD Changer on page 3-22* and *CD/DVD Player on page 3-26* for more information.

Preset Station Menu

There are six buttons to allow you to store your favorite stations. You can store up to 36 stations with XM™ Satellite Radio Service (if equipped) or 24 stations without it (6 AM, 6 FM 1, 6 FM 2, 6 XM 1, 6 XM 2 and 6 WX) for home and for away. Use the following steps to store your presets:

1. Turn the audio system on.
2. Access your preset stations by touching AM, FM, XM (if equipped) or WX source button to display the desired source screen.
3. Your preset station menu will appear.
4. Tune in the desired station by using the TUNE/SEEK hard key.
5. Touch the SOUND button to set the bass, mid-range, treble and DSP for your preset, if desired. See “Sound Menu (Tone, DSP, Fade and Balance)” later in this secton for more information.
6. Touch and hold one of the six numbered preset buttons for more than two seconds or until you hear a beep.
7. Repeat the steps for each preset and source.

When battery power is removed and later applied, you will not have to reset your radio preset stations because the audio system remembers them.

SCAN: Touch this button to scan through the stations on the audio system. The audio system will go to a station, stop for five seconds, then go to the next station. Touch the SCAN button again to stop scanning. If a station has weak reception, the audio system will not stop at the station.

If you touch and hold SCAN for two seconds, you can scan through your preset stations. It will only scan AM (alone), both FM 1/2, XM 1 (alone), XM 2 (alone) and WX (alone). When the audio system stops on a preset radio station, the preset will be light blue on the screen. You can also touch a preset or the SCAN button again to stop scanning.

RDS (Radio Data Systems): See “Radio Data System (RDS)” later in this section for more information on this button.

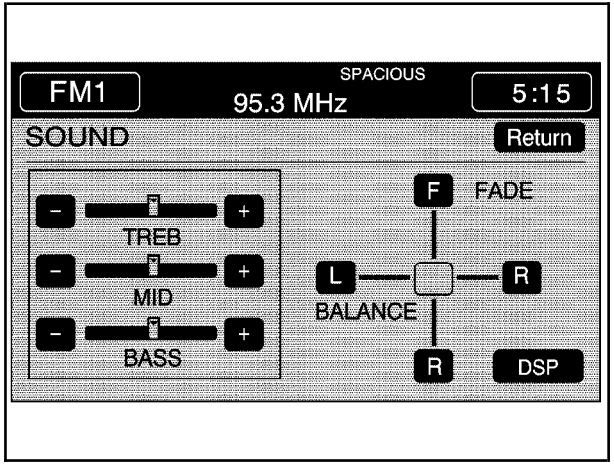
MSG (Message): See “Radio Data System (RDS)” later in this section for more information on this button.

AutoSet: This button will replace your currently stored preset stations with the strongest stations available in the immediate area when selected. Touch this button again and the system will return to the original preset radio stations.

SOUND: See “Sound Menu (Tone, DSP, Fade and Balance)” following for more information on this button.

DSP: See “Adjusting the Speakers” later in this section for more information on this button.

Sound Menu (Tone, DSP, Fade and Balance)



Use the SOUND button to change the TONE, DSP (if equipped), FADE and BALANCE for all of the sources.

To access a screen where the SOUND button is available:

1. Press the Audio hard key to access the ADJUST screen. See “Playing the Radio” listed previously for more information.
2. Touch the SOUND button.
3. Touch the plus (+) or minus (–) buttons to adjust your treble, bass, mid-range, balance and fade to the desired level.
4. Touch the DSP button to adjust your DSP (if equipped). See “Adjusting the Speakers” later in this section.

After adjustments are made, touch the AM, FM 1/2, XM 1/2 (if equipped) or WX source button. This will take you back to the preset station menu. Whenever you touch that button, the previously stored information you have entered for each preset station will be recalled.

Adjusting the Tone

You can adjust the tone using the SOUND menu. The audio system has a separate setting for these features for each source preset. The audio system keeps one fade and balance setting for all audio sources (AM, FM 1/2, XM 1/2 if equipped, WX, CD and DVD). The following features can be adjusted for each preset and source:

TREB (Treble): Touch the TREB plus (+) or minus (–) buttons to select the desired level.

MID (Mid-Range): Touch the MID plus (+) or minus (–) buttons to select the desired level.

BASS: Touch the BASS plus (+) or minus (–) buttons to select the desired level.

FADE: Touch the F button for more speaker sound in the front of the vehicle and the R button for more speaker sound in the rear of the vehicle. The middle position balances the sound between the front and rear speakers.

BALANCE: Touch the L button for more speaker sound on the left of the vehicle and the R button for more speaker sound on the right of the vehicle. The middle position balances the sound between the left and right speakers.

To adjust the tone for each preset, use the following steps:

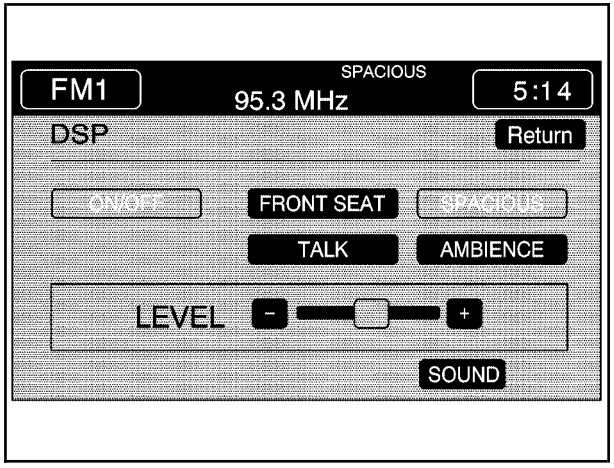
1. Press the BAND hard key until the desired source appears on the display. See “Preset Station Menu” listed previously for more information.
2. Touch the AM, FM 1/2, XM 1/2 or WX source button to access the preferred preset screen.
3. Touch the SOUND button.
4. Touch the TREB, MID, BASS and DSP buttons to select your preferred settings.
5. Once you’ve completed the adjustments, touch the RETURN button to exit to the preset station menu.
6. Touch and hold one of the six preset buttons for more than two seconds or until you hear a beep.

   Whenever you touch that preset button for less than two seconds, the station and the previously stored information you have entered for each preset station will be set recalled.
7. Repeat the procedure for additional presets if necessary.

DSP (Digital Signal Processing): See “Adjusting the Speakers” following for more information on this button.

Return: Touch this button to exit the SOUND menu and set your choices.

Adjusting the Speakers



DSP (Digital Signal Processing): If you have the Bose system, you will have this feature. The DSP feature is used to provide a choice of four different listening experiences. DSP can be used while listening to the audio system or the CD player. The audio system can store separate DSP settings for each source (except weather band, which is always set to TALK) and preset stations.

To save the DSP settings for your preset stations, you can use the SOUND button or touch the DSP button from the preset station menu to access the DSP menu. See “Sound Menu (Tone, DSP, Fade and Balance)” listed previously in this section for more information.

Touch the DSP button to change the following options:

ON/OFF: Touch this toggle button to turn DSP on or off.

FRONT SEAT: This button adjusts the audio to give the front seat occupants the best possible sound qualities. FRONT SEAT can be used at any time for any material. Rear seat passengers in the vehicle may not get the same effect.

TALK: This button is used when listening to non-musical material such as news, talk shows and sports broadcasts. TALK makes spoken words sound very clear.

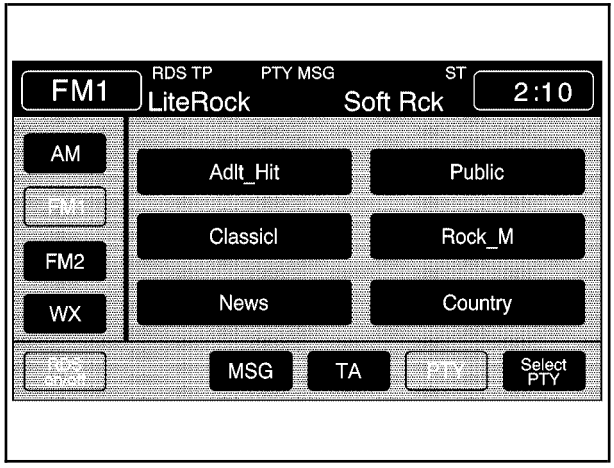
SPACIOUS: This button is used to make the listening space seem larger.

AMBIENCE: This button is used to enhance the stereo effect.

LEVEL: Select a DSP setting. Then touch the minus (–) or plus (+) buttons to change the level of the DSP effect.

SOUND: Touch this button to access the Sound menu. See “Sound Menu (Tone, DSP, Fade and Balance)” listed previously in this section for more information.

Radio Data Systems (RDS)



Your audio system is equipped with Radio Data Systems (RDS). RDS mode gives you many useful new features. When RDS is on, the audio system can:

- Seek to stations with traffic announcements,
- receive announcements concerning local and national emergencies,
- receive and display messages from radio stations and
- search for a stronger station when a station is too weak for listening.

RDS features are only available for use on FM stations which broadcast RDS information.

RDS: Touch this button to use the alternate RDS functions located in the preset menu for FM 1/2 only. When you touch RDS, you will only have approximately five seconds to choose RDS ON/OFF, TA, MSG, PTY or SEL PTY. If you do not make a selection, the system will return to the previous menu.

If you are tuned to a station broadcasting RDS information, the station's Program Service (PS) and Program Type (PTY) will replace the station's frequency on the status line at the top of the display. After approximately five seconds, if available, the program type will be replaced on the display by the station's program type name. The program type and program type name may be the same or different.

If the audio system is tuned to a station that is not broadcasting RDS information, the station's frequency will remain on the display. While RDS is on, the audio system will search for a stronger station in the network, when a station gets too weak for listening.

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

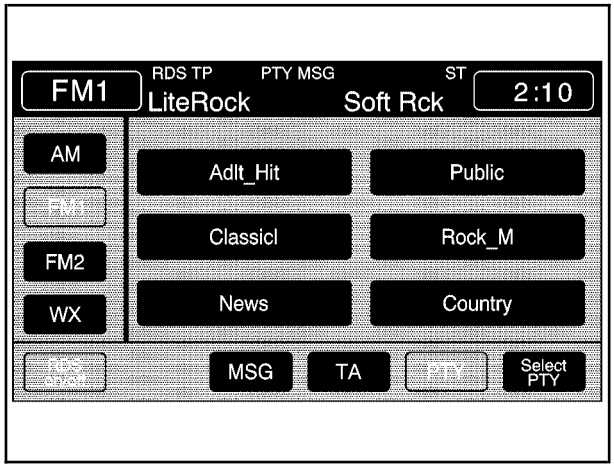
TA: Touch this button to receive traffic announcements. The audio system will turn on the TA display. TA will appear on the display if the tuned station broadcasts traffic announcements. You may also receive traffic announcements from stations in the network related to the tuned station. If the current tuned station does not broadcast traffic announcements, the audio system will seek to a station which will. When the audio system finds a station which broadcasts traffic announcements, it will stop. If no station is found, the TA icon will turn off.

While a traffic announcement plays, the audio system uses a special type of volume called TA volume. To increase TA volume, touch the VOL button on your steering wheel or use the VOL up or down buttons during the announcement. See "Voice Guidance Volume Settings" under *Setup Menu on page 1-3* for more information.

When a traffic announcement comes on the current radio station or a related network station, you will hear it, even if the volume is muted or a compact disc is playing. If the audio system tunes to a related network station for a traffic announcement, it will return to the original station when the announcement is finished. If the compact disc player was being used, the compact disc will stay in the player and resume play at the point where it stopped.

Touch the RDS button, followed by the TA button again to turn TA off.

MSG (Message): When RDS is on, if the current station has a message, the MSG icon will appear on the display. Touch the message button from the preset screen menu to view the message. If the whole message does not appear on the display, parts of the message will appear every three seconds until the message is completed. Once the complete message has been displayed, the MSG icon will disappear from the display until another new message is received. The message button will remain available to allow you to display the entire message again.



PTY: PTY allows you to seek only stations with types of programs you want to listen to. This button is used to turn on and off Program Type (PTY) features.

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

Select PTY (Select Program Type): With RDS and PTY on, touch the RDS button, then the SEL PTY button. The PTY menu screen will appear. Use the scroll up and down arrows to select a PTY. Touch your PTY selection and the system will return you to the screen with the preset stations shown. See Steps 1 through 7 under “Preset Station Menu” to store the selected PTYs. The selected PTY is then stored on the preset. You can now touch the PTY preset to recall your settings.

When the PTY display is on, press TUNE/SEEK and SCAN to find radio stations of the PTY selected. The last PTY selected will be used for seek and scan modes. If a station with the selected PTY is not found, NONE FOUND will appear on the display. If both PTY and TA are on, the audio system will search for stations with traffic announcements and the selected PTY.

PTY (Program Type) Presets: The six preset buttons let you return to your favorite Program Types (PTYs). These buttons have factory PTY preset stations. See “RDS Program Type (PTY) Selections” later in this section. You can set up to 12 PTYs (6 FM 1 and 6 FM2). To save a PTY preset, do the following:

1. Touch the FM 1/2 source button.
2. Touch the RDS button to enter the RDS menu.
3. Touch the RDS ON/OFF button to turn RDS on.
4. Touch the PTY button.

5. Touch the SEL PTY button and select the desired PTY from the list. See “RDS Program Type (PTY) Selections” following for a listing of PTYs available.
6. Touch and hold one of the six buttons for more than two seconds or until you hear a beep. Whenever you touch that numbered button for less than two seconds, the PTY you set will return.
7. Repeat the steps for each preset button.

Once you have stored a PTY for each of your preset stations, you can recall a PTY preset by touching the preset station for less than two seconds. Then use TUNE/SEEK or SCAN to locate a station for that PTY selection.

When battery power is removed and later re-applied, you will not have to reset your RDS preset stations because the audio system remembers them.

ALERT: This type of announcement warns of national or local emergencies. You will not be able to turn off alert announcements. Alert announcements will come on even if RDS mode is turned off. ALERT appears on the display when an alert announcement plays. The audio system uses TA volume during these announcements. To increase volume, touch the VOL button on your steering wheel or use the VOL up and down buttons during the announcement. See “Voice Guidance Volume Settings” under *Setup Menu on page 1-3* for more information. When an alert announcement comes on the tuned radio station or a related network station, you will hear it, even if the volume is muted or a compact disc is playing. If the audio system tunes to a related network station for an alert announcement, it will return to the original station when the announcement is finished. If the compact disc player is playing, the player will stop for the announcement and resume when the announcement is finished.

RDS Program Type (PTY) Selections

PTY List	Description
Adlt Hit	Adult Hits
Any	Any
Cls Rock	Classical Rock
Classicl	Classical
College	College
Country	Country
Info	Information
Jazz	Jazz
Language	Language
News	News
Nostalga	Nostalgia
Oldies	Oldies
Persnlty	Personality
Public	Public
R & B	Rhythm and Blues
Rock M	Rock Music
Rel Musc	Religious Music
Rel Talk	Religious Talk
Soft	Soft
Soft R & B	Soft R & B
Soft Rck	Soft Rock

RDS Program Type (PTY) Selections (cont'd)

PTY List	Description
Sports	Sports
Talk	Talk
Top 40	Top 40
Weather	Weather

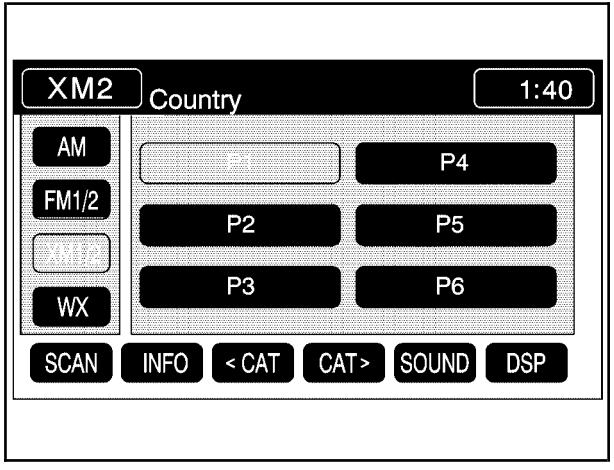
Factory PTY Presets

Your audio system comes with these factory PTY preset stations. To change the factory settings, see Step 1 through 5 under "PTY (Program Type) Presets" listed previously.

Preset	FM 1	FM 2
Preset 1	Adult Hits	Jazz
Preset 2	Classical	Oldies
Preset 3	News	Religious Music
Preset 4	Public	Soft Rock
Preset 5	Rock M	R & B
Preset 6	Country	Top 40

XM™ Satellite Radio

XM is a continental U.S. based satellite radio service that offers up to 100 coast to coast channels including music, news, sports, talk and children's programming. XM provides digital quality audio and text information, including song title and artist name. A service fee is required in order to receive the XM service. For more information, contact XM at www.xmradio.com or call 1-800-852-XMXM (9696).



INFO (Information): Touch this button while in XM mode to retrieve various pieces of information related to the current song or channel. By touching the INFO button, you may retrieve four different categories of information: 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 is being broadcast on the tuned channel, INFO will appear on the display.

Each of the four information types may have multiple pages of text. To reach a category, touch the INFO button repeatedly until the desired type is displayed. If there are multiple pages of text for the information selected type, the radio will automatically display all the pages for that type at a rate of approximately one page every three seconds before timing out and returning to the default display. You may override this feature by touching the INFO button to review all of the pages at your own pace.

XL (Explicit Language Channels): XL on the radio display, after the channel name, indicates content with explicit language. These channels, or any others, can be blocked at a customer's request, by calling 1-800-852-XMXM (9696).

Setting Program Type (PTY) Preset Stations

To select a desired PTY, do the following:

1. Touch the < CAT or CAT > to select a category.
2. Once the desired category is displayed, press TUNE/SEEK to select the category and take you to the category's first station.
3. If you want to go to another station within that category, press TUNE/SEEK once.
4. Touch and hold one of the desired P1–P6 presets to store the selected station as a preset.
5. If PTY times out and is no longer one the display, go back to step 1.

SCAN: Use this button to scan through the channels within a category or scan through the preset stations. To scan through the channels in a category, do the following:

1. Select a category by touching < CAT or CAT > .
2. Once the desired category is displayed, touch SCAN and the radio will begin scanning within your chosen category.
3. Touch SCAN again to stop at a particular section.

To scan through your preset stations, touch and hold the SCAN button. Touch the button again to stop scanning.

XM Radio Messages

Radio Display Message	Condition	Action Required
XM Updating	Updating encryption code	The encryption code in your receiver is being updated, and no action is required. This process should take no longer than 30 seconds.
No XM signal	Loss of signal	Your system is functioning correctly, but you are in a location that is blocking the XM signal. When you move into an open area, the signal should return.
Loading XM	Acquiring channel audio (after 4 second delay)	Your radio system is acquiring and processing audio and text data. No action is needed. This message should disappear shortly.
Channel Off Air	Channel not in service	This channel is not currently in service. Tune in to another channel.
Channel Unavail	Channel no longer available	This previously assigned channel is no longer assigned. Tune to another station. If this station was one of your presets, you may need to choose another station for that preset button.
No Artist Info	Artist Name/Feature not available	No artist information is available at this time on this channel. Your system is working properly.
No Title Info	Song/Program Title not available	No song title information is available at this time on this channel. Your system is working properly.
No CAT Info	Category Name not available	No category information is available at this time on this channel. Your system is working properly.

Radio Display Message	Condition	Action Required
Not Found	No channel available for the chosen category	There are no channels available for the category you selected. Your system is working properly.
No Information	No Text/Informational message available	No text or informational messages are available at this time on this channel. Your system is working properly.
XM Theftlocked	Theft lock active	The XM receiver in your vehicle may have previously been in another vehicle. For security purposes, XM receivers cannot be swapped between vehicles. If you receive this message after having your vehicle serviced, check with the servicing facility.
XM Radio ID	Radio ID label (channel 0)	If you tune to channel 0, you will see this message alternating with your XM Radio 8 digit radio ID label. This label is needed to activate your service.
Unknown	Radio ID not known (should only be if hardware failure)	If you receive this message when you tune to channel 0, you may have a receiver fault. Consult with your dealer.
Check XM Receiver	Hardware failure	If this message does not clear within a short period of time, your receiver may have a fault. Consult with your retail location.

Six-Disc CD Changer

With the compact disc changer, you can play up to six discs continuously. 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.

You must first load the magazine with discs before you can play a compact disc. Each of the six trays holds one disc.

Load the trays from bottom to top, placing a disc in the tray label side up. If you load a disc label side down, the disc will not play and an error will occur. 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.

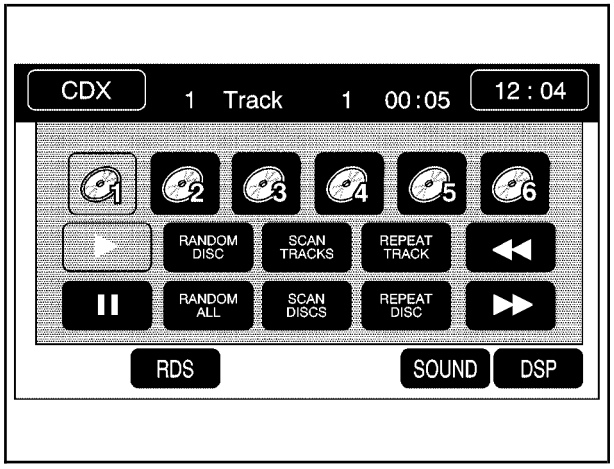
Close the door by sliding it all the way to the right. When the door is closed, the changer will begin checking for discs in the magazine. This will continue for up to one and a half minutes, depending on the number of discs loaded. You may hear noise, but this is normal. The CD changer is initializing.

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

To eject CDs from the magazine, you must push the RELEASE switch on the bottom of the magazine to release the CDs.

Press the CD hard key to access the six-disc CD changer screen. You can also use the system's DVD player for single CD play 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 you press the CD hard key, the message "No CD loaded" will appear on the display.



CD Changer Screen

Once you access the CD changer screen, you can select one of the numbered buttons to go from one compact disc to another among those loaded in the CD changer and use the arrows to rewind or fast forward through the disc selected.

The following features are also available from this screen:

- REPEAT THE TRACK,
- REPEAT THE DISC,
- SCAN THE DISCS or SCAN THE TRACKS
- and RANDOM ALL or RANDOM DISC.

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

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

RANDOM DISC: Touch this button to hear the tracks in random, rather than sequential, order on the disc selected. Press the TUNE/SEEK hard key to randomly seek through the tracks on this disc. Touch RANDOM DISC again to turn off random play mode.

SCAN TRACKS: Touch this button to hear the first 10 seconds of each track on the selected disc. Touch this button again to stop scanning. The CD will mute while scanning.

REPEAT TRACK: Touch this button to repeat the track on the selected disc. Touch this button again to turn off the REPEAT TRACK mode.

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

❚❚ **(Pause):** Touch this button to pause CD play. Touch it again to resume play or touch the play button.

RANDOM ALL: Touch this button to hear the tracks on all of the discs in the CD changer in random, rather than sequential, order. Press the TUNE/SEEK hard key while RANDOM ALL is on to randomly seek within that disc. Touch RANDOM ALL again to turn off random mode.

SCAN DISCS: Touch this button to hear the first 10 seconds of first track on each disc. Touch this button again to stop scanning. The CD will mute while scanning.

REPEAT DISC: Touch this button to repeat the selected disc. Touch REPEAT DISC again to turn off the REPEAT DISC mode.

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

∧ TUNE SEEK ∨ : Press the up arrow on the TUNE/SEEK switch to seek to the next selection on the compact disc. If playing last track of disc, pressing the up arrow will seek to the first track of the next disc. Press the down arrow to seek to the previous selection on the compact disc. If playing the first track of disc, pressing the down arrow will seek to the last track on the selected disc. The sound will mute while seeking.

RDS (Radio Data Systems): See “Radio Data Systems (RDS)” listed previously for information on this button.

SOUND: See “Sound Menu (Tone, DSP, Fade and Balance)” for information on this button.

DSP (Digital Signal Processing): See “Adjusting the Speakers” listed previously for information on this button.

CD Changer Errors

CD ERROR could be displayed for the following:

- The road is too rough. The disc should play when the road is smoother.
- The disc 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, please contact your dealer dealer. If your audio system displays an error number, write it down and provide this information to your dealer when reporting the problem.

CD/DVD Player

The player that is used for the Navigation map DVD can also be used as a single music CD player or a video DVD player.

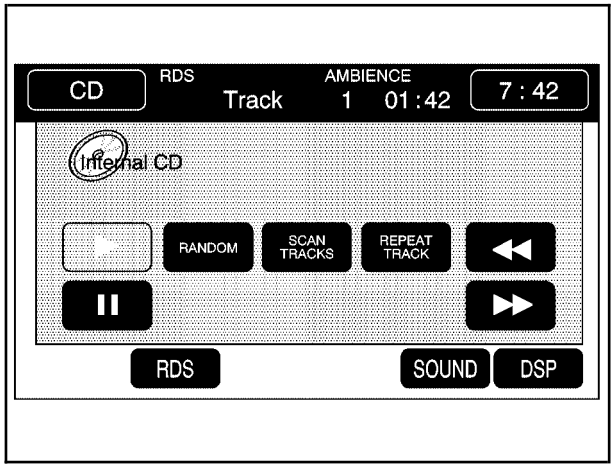
CD Player

To use the player as a single music CD player, you must first remove the Navigation map DVD. While playing a CD in the CD/DVD Player, the Navigation system is not available. The message “The disc installed is not a map DVD” will appear on the display if any of the Navigation hard keys are pressed.

To remove the Navigation map DVD and load a music CD, use the following steps:

1. Turn the ignition to ON.
2. Press and hold the TILT hard key until you hear a beep. This will open the faceplate of the system.
3. If one is loaded, the Navigation map DVD will eject from the slot.
4. Gently remove the Navigation map DVD from the slot and return it to its case.
5. Insert the music CD into the slot. The system will pull the CD into the player.
6. Press and release the TILT hard key to close the faceplate.

Notice: **Shifting out of PARK (P) with the system’s faceplate open will cause the faceplate to close automatically. This could cause damage to a CD, DVD or the system if it is partially loaded. Before shifting out of PARK (P), make sure that the DVD or CD is loaded properly. The vehicle must be shifted back into PARK (P) to close the faceplate.**



CD Player Screen

Once a music CD is loaded, the CD player menu will appear on the display. When using the system as a single CD player, the CD hard key will alternate between the CD player and the six-disc CD changer if CDs are loaded.

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

RANDOM DISC: Touch this button to hear the tracks in random, rather than sequential, order on the disc. Touch RANDOM DISC again to turn off random mode.

SCAN TRACKS: Touch this button to hear the first 10 seconds of each track on the disc. Touch this button again to stop scanning. The CD will mute while scanning.

REPEAT TRACK: Touch this button to repeat the selected track.

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

❚❚ **(Pause):** Touch this button to pause CD play. Touch it again to resume play or touch the play button.

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

∧ **TUNE SEEK** ∨ **:** Touch the up arrow on the TUNE/SEEK hard key to seek to the next selection on the compact disc. If playing last track of disc, touching the up arrow will seek to the first track of disc. Touch the down arrow to seek to the previous selection on the compact disc. If playing the first track of disc, touching the down arrow will seek to the last track of disc. The sound will mute while seeking.

DVD Player

To use the player as a video DVD player, you must first remove the Navigation map DVD or music CD. While playing a video DVD, the Navigation system is not available. The message “The disc installed is not a map DVD” will appear on the display if any of the Navigation hard keys are pressed.

This feature will not operate unless the vehicle is in PARK (P).

To remove the Navigation map DVD and load a video DVD, use the following steps:

1. With the vehicle in PARK (P) and the ignition ON, press and hold the TILT hard key until a beep is heard. The faceplate of the system will open.
2. If a map DVD or a music CD is loaded, the system will automatically eject it. Gently remove it from the slot and return it to its case.
3. Load the video DVD into the slot. The system will pull the DVD into the player.
4. Press and release the TILT hard key to close the faceplate.

Notice: **Shifting out of PARK (P) with the system’s faceplate open will cause the faceplate to close automatically. This could cause damage to a CD, DVD or the system if it is partially loaded. Before shifting out of PARK (P), make sure that the DVD or CD is loaded properly. The vehicle must be shifted back into PARK (P) to close the faceplate.**

Once the faceplate is closed and a video DVD is loaded, the system will automatically play the DVD.

Playing a DVD

There are three ways to play a DVD depending on what screen you are on. They are the following:

- Once a DVD is inserted, the system will automatically play the DVD.
- If you are on a map screen, touch the DVD source button.
- From the audio screen, press the DVD hard key.

DVD Menu Options

To display the menu choices while a DVD is playing, touch anywhere on the screen and the menu will appear.

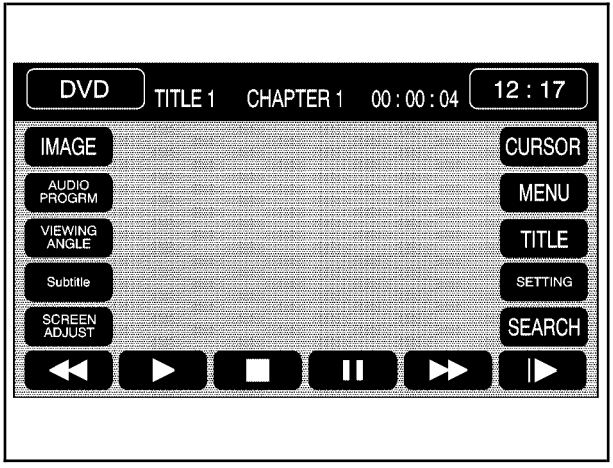


IMAGE: Touch this button to either start playing a DVD or to remove the DVD menu screen.

AUDIO PROGRAM: Touch this button to change the audio language heard.

VIEWING ANGLE: Touch this button to adjust the viewing angle of the DVD. Some DVDs allow you to change the camera angle. This may not be available on all DVDs. Depending on the type of DVD you are using, this button may or may not be available.

SUBTITLE: Touch this button to playback the video with subtitles. This may not be available on all DVDs. Depending on the type of DVD you are using, this button may or may not be available.

SCREEN ADJUST: Touch this button to adjust the brightness, contrast and red/green color adjustments.

CURSOR: Touch this button to access the left/right and up/down cursors on the screen. The cursors allow you to navigate menu options on the screen.

MENU: Touch this button to access the DVDs menu options. Depending on the type of DVD you are using, this button may or may not be available. Touch the button labeled one, two or blank to change the image size displayed on the screen.

TITLE: Touch this button to display the title of the DVD. Depending on the type of DVD you are using, this button may or may not be available.

SETTING: Touch this button to adjust the following:

- LANGUAGE PREFERENCES
- PARENTAL LOCK

Under LANGUAGE PREFERENCES, you can select different languages for AUDIO, SUBTITLE and DVD MENUS.

1. To change languages, first select the option you wish to change.
2. Select a language from the list given.
3. Touch RETURN to end out the menu. Your language is now saved.

Under PARENTAL LOCK, you can select SET RATING LIMIT and SET PIN.

To SET RATING, first touch the button. Then, make your selection. Touch RETURN to end out the menu. Your selection is now saved.

To use PARENTAL LOCK, first touch the button. Then, enter a four-digit numeric password. Touch RETURN to end out the menu.

SEARCH: Touch this button to search to a certain scene on the DVD. Depending on the type of DVD you are using, this button may or may not be available.

◀◀ **(Rewind):** Touch this button to rewind through a scene during playback.

▶ **(Resume):** Touch this button to resume playing a DVD.

■ **(Stop):** Touch this button to stop the DVD.

❚❚ **(Pause):** Touch this button to pause the DVD.

▶▶ **(Forward):** Touch this button to advance rapidly during playback.

|▶ **(Frame Advance):** Touch this button to advance by chapter during playback.

Radio Personalization with Home and Away Feature

If your vehicle has this feature, you can recall the latest audio system settings as adjusted the last time your vehicle was operated. This feature allows two different drivers to store and recall their own audio system settings. The settings recalled by the audio system are determined by which RKE transmitter (1 or 2) 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 settings will automatically adjust to where they were last set by the identified driver. The settings can also be recalled by briefly pressing the MEMORY seat switches 1 or 2 located on the driver's door.

Your audio system can store HOME and AWAY preset stations. HOME and AWAY preset stations allow you to use one set of preset radio settings in the area where you live, and another set when you go out of town. That way, you will not need to reprogram your preset stations every time you travel.

To select HOME and AWAY preset stations, do the following:

1. With the audio system on, touch the Audio hard key and turn the audio system off.
2. Touch the HOME or AWAY button from the preset screen.

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

When battery power is removed and later applied, you will not have to reset your home audio system preset stations because the audio system remembers them. However, you will have to reset your away radio preset stations.

NOTES

Section 4 Voice Recognition

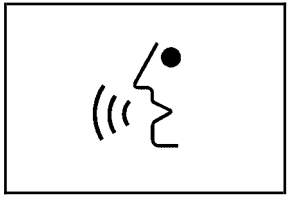
Voice Recognition 4-2

Voice Recognition

The Navigation System's voice recognition allows for hands-free operation of navigation and audio system features. The voice recognition can be used when the ignition is in accessory or ON, 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 having the map DVD inserted, the system will display on the screen "Please insert the navigation map DVD to use the voice recognition feature."

To use navigation voice recognition, do the following:



Talk Symbol

1. Press the steering wheel control with the talk symbol and release it when you hear a beep. The audio system, if on, will mute.
2. State one of the commands listed on the following pages clearly, for example, "FM1."
3. The system will tell you the command being implemented. For example, the system will say "FM1 Radio" and change the audio system to the FM1 source.

END: Press this steering wheel control to end voice recognition or to cancel a command. Press END immediately after speaking the command to cancel it. You will hear a beep confirming the cancel command.

You can also end voice recognition by not speaking any commands. After approximately five seconds of silence, the system will automatically cancel voice recognition.

Sometimes, the system may not understand a spoken command. If this happens, try again. If a spoken command is not available, the system will provide feedback based on availability.

While using voice recognition, noise levels within the interior of the vehicle need to be kept to a minimum. If noises are not kept to a minimum, the system might not recognize voice commands. Make sure to keep interior noise levels to a minimum while using voice recognition.

The system will only recognize 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. To use the voice commands, refer to the instructions listed previously.

Help Commands

These commands will enable you to use the help prompts available from the system. You must say the Help command and then select a category from the help command. The following commands must be spoken within three seconds after hearing the system list the commands.

Some help commands are not listed when you say “Help.” See “Other Help Commands” following for more information.

HELP: This command will cause the system to say which commands help is available for.

MAP: This command will enable the system to provide the available commands for the map screen.

DESTINATION: This command will enable the system to provide the available commands for entering a destination.

GUIDANCE: This command will enable the system to provide the available commands for the guidance method.

RADIO: This command will enable the system to provide the available commands for the radio.

DISC: This command will enable the system to provide the available commands for the map DVD.

Other Help Commands

Here are some additional help commands you can use that are not listed by the system when you use the general “help” command.

MAP HELP: This command will enable the system to provide the available commands for the map screen.

DESTINATION HELP: This command will enable the system to provide the available commands for entering a destination.

GUIDANCE HELP: This command will enable the system to provide the available commands for the guidance method.

RADIO HELP: This command will enable the system to provide the available commands for the radio.

DISC HELP: This command will enable the system to provide the available commands for the CD changer.

Radio Commands

RADIO: This command will change the audio system to the next Radio audio source.

AM: This command will change the audio system to the AM audio source.

FM1: This command will change the audio system to the FM1 audio source.

FM2: This command will change the audio system to the FM2 audio source.

CD CHANGER: This command will change the audio system to the CD changer audio source.

WX, WEATHER BAND: These commands will change the audio system to the weather band audio source.

POWER ON, AUDIO ON: These commands will turn the system's power on.

POWER OFF, AUDIO OFF: These commands will turn the system's power off.

DSP ON: This command will turn the audio system's Digital Signal Processing on.

DSP OFF: This command will turn the audio system's Digital Signal Processing off.

DSP FRONT SEAT: This command will change the audio system's Digital Signal Processing to the Front Seat setting.

DSP SPACIOUS: This command will change the audio system's Digital Signal Processing to the Spacious setting.

DSP TALK: This command will change the audio system's Digital Signal Processing to the Talk setting.

DSP AMBIENCE: This command will change the audio system's Digital Signal Processing to the Ambience setting.

SEEK UP: This command will cause the selected audio source to seek up to the next strongest signal.

SEEK DOWN: This command will cause the selected audio source to seek down to the next strongest signal.

STOP SCAN: This command will cause the audio source to stop scanning for the next strongest signal.

CD Changer Commands

TRACK UP: This command will cause the CD changer to skip up to the next track.

TRACK DOWN: This command will cause the CD changer to skip back to the previous track.

PREVIOUS TRACK: This command will cause the CD changer to go to the previous track.

Phone Command

PHONE: This command will activate the factory-installed optional cellular phone system or OnStar® system. See the Cellular Phone System Supplement and “OnStar® System” in the Index of the vehicle Owner’s Manual for more information.

Screen Commands

SCREEN DAY MODE, DAY MODE ON: These commands will adjust the system’s screen setting to the day mode.

SCREEN NIGHT MODE, NIGHT MODE ON: These commands will adjust the system’s screen setting to the night mode.

SCREEN AUTO MODE, AUTO MODE ON: These commands will adjust the system’s screen setting to auto mode.

SCREEN OFF: This command will turn the system’s screen display off.

Position Commands

CURRENT POSITION, CURRENT LOCATION, SHOW CURRENT POSITION, SHOW CURRENT LOCATION: These commands will cause the system to display the vehicle’s current location on the map screen.

MAP: This command will cause the system to display the map screen.

Map Commands

ZOOM IN: This command will cause the system to zoom in when on the map screen.

ZOOM OUT: This command will cause the system to zoom out when on the map screen.

MAXIMUM SCALE: This command will cause the system to zoom out to the maximum available map scale when on the map screen.

MINIMUM SCALE: This command will cause the system to zoom in to the minimum available map scale when on the map screen.

HEADING UP, CHANGE TO HEADING UP: These commands will cause the system to display the Vehicle Up heading when on the map screen. The map scale should be set for under 2 miles (4 km).

NORTH UP, CHANGE TO NORTH UP: These commands will cause the system to display the North Up heading when on the map screen if the map scale is set to 2 miles (4 km) or less.

MAP DIRECTION, CHANGE MAP DIRECTION: These commands will cause the system to change the vehicle's direction from North up to heading up or heading up to North up on the map screen if the map scale is set to 2 miles (4 km) or less.

MARK, MARK THIS POINT: These commands will cause the system to mark the location as a memory point while on the map screen.

Destination Commands

HOME, GO HOME: These commands will cause the system to enter the Home destination, if one is set.

GO TO STARTING POINT, PREVIOUS STARTING POINT: These commands will cause the system to enter the last available starting point as a destination.

Guidance Commands

REPEAT GUIDANCE, REPEAT VOICE: These commands will cause the system to repeat the last available voice prompt guidance command if a destination has been set.

LOUDER: This command will cause the system to increase the volume of the navigation voice prompts if a destination has been set.

SOFTER: This command will cause the system to decrease the volume of the navigation voice prompts if a destination has been set.

VOICE GUIDANCE OFF: This command will cause the system to turn off the navigation voice prompts if a destination has been set.

VOICE GUIDANCE ON: This command will cause the system to turn on the navigation voice prompts if a destination has been set.

OPEN GUIDANCE, OPEN GUIDANCE SCREEN, OPEN GUIDE, OPEN GUIDE SCREEN: These commands will cause the system to open the Guidance Appearance menu if a destination has been set.

CLOSE GUIDANCE, CLOSE GUIDANCE SCREEN, CLOSE GUIDE, CLOSE GUIDE SCREEN: These commands will cause the system to close the Guidance Appearance menu if a destination has been set.

ARROW GUIDANCE, ARROW GUIDE, CHANGE TO ARROW GUIDANCE, CHANGE TO ARROW GUIDE: These commands will cause the system to change to Arrow Guidance screen view in the Guidance Menu if a destination has been set.

TURN LIST GUIDANCE, TURN LIST GUIDE, CHANGE TO TURN LIST GUIDANCE, CHANGE TO TURN LIST GUIDE: These commands will cause the system to change to Turn List Guidance screen view in the Guidance Menu if a destination has been set.

ENTIRE ROUTE, ENTIRE ROUTE MAP, ROUTE OVERVIEW: These commands will cause the system to display the entire route if a destination has been set.

REROUTE: This command will cause the system to generate an alternate route to a set destination while on a planned route.

DETOUR, DETOUR ENTIRE ROUTE: These commands will cause the system to activate the detour feature when driving a planned route.

DELETE DESTINATION, CANCEL DESTINATION: These commands will cancel a destination if one has been set.

NEXT WAYPOINT MAP: This command will cause the system to display the map view of the next waypoint location if one has been set.

FIRST WAYPOINT MAP: This command will cause the system to display the map view of the first waypoint location if one has been set.

SECOND WAYPOINT MAP: This command will cause the system to display the map view of the second waypoint location if more than one waypoint has been set.

THIRD WAYPOINT MAP: This command will cause the system to display the map view of the third waypoint location if more than two waypoints have been set.

FOURTH WAYPOINT MAP: This command will cause the system to display the map view of the fourth waypoint location if more than three waypoints have been set.

FIFTH WAYPOINT MAP: This command will cause the system to display the map view of the fifth waypoint location if more than four waypoints have been set.

DESTINATION MAP: This command will cause the system to display the map view of the final destination location if one has been set.

POI (Point of Interest) Commands

RESTAURANT, I'M HUNGRY: These commands will cause the system to display the restaurant POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

JAPANESE RESTAURANT, JAPANESE FOOD: These commands will cause the system to display the Japanese restaurant POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

CHINESE RESTAURANT, CHINESE FOOD: These commands will cause the system to display the Chinese restaurant POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

FRENCH RESTAURANT, FRENCH FOOD: These commands will cause the system to display the French restaurant POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

ITALIAN RESTAURANT, ITALIAN FOOD: These commands will cause the system to display the Italian restaurant POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

OTHER RESTAURANT, OTHER FOOD: These commands will cause the system to display the other type restaurant POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

AMERICAN RESTAURANT, AMERICAN FOOD: These commands will cause the system to display the American restaurant POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

CONTINENTAL RESTAURANT, CONTINENTAL FOOD: These commands will cause the system to display the Continental restaurant POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

MEXICAN RESTAURANT, MEXICAN FOOD: These commands will cause the system to display the Mexican restaurant POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

SEAFOOD RESTAURANT, SEAFOOD: These commands will cause the system to display the Seafood restaurant POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

SHOPPING, SHOPPING MALL: These commands will cause the system to display the mall POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

GROCERY STORE: This command will cause the system to display the grocery store POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

GAS STATION, GAS: These commands will cause the system to display the gas station POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

PARKING GARAGE: This command will cause the system to display the parking garage POI icons, if available on the map screen when the map scale is set to a half mile (eight tenths km) or less.

PARKING LOT: This command will cause the system to display the parking lot POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

RENTAL CAR AGENCY: This command will cause the system to display the rental car POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

AUTOMOBILE CLUB, TRIPLE A: These commands will cause the system to display then auto club POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

AUTO SERVICE & MAINTENANCE, AUTO SERVICE, MAINTENANCE: These commands will cause the system to display the auto service POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

HOTEL: This command will cause the system to display the hotel POI icons, if available when the map scale is set to a half mile (eight-tenths km) or less.

GOLF COURSE: This command will cause the system to display the golf course POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

SKI RESORT, SKIING: These commands will cause the system to display the ski resort POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

AMUSEMENT PARK: This command will cause the system to display the amusement park POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

SPORTS COMPLEX, STADIUM: These commands will cause the system to display the sports complex POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

CASINO: This command will cause the system to display the casino POI icons, if available when the map scale is set to a half mile (eight-tenths km) or less.

MARINA: This command will cause the system to display the marina POI icons, if available when the map scale is set to a half mile (eight-tenths km) or less.

TOURIST ATTRACTION: This command will cause the system to display the tourist attraction POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

WINERY: This command will cause the system to display the winery POI icons, if available when the map scale is set to a half mile (eight-tenths km) or less.

CITY HALL: This command will cause the system to display the city hall POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

POLICE STATION: This command will cause the system to display the police station POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

LIBRARY: This command will cause the system to display the library POI icons, if available when the map scale is set to a half mile (eight-tenths km) or less.

HOSPITAL: This command will cause the system to display the hospital POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

PARK & RECREATION, PARKS & RECREATION: These commands will cause the system to display the parks and recreation POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

CIVIC CENTER, COMMUNITY CENTER: These commands will cause the system to display the community center POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

CONVENTION CENTER, EXHIBITION CENTER: These commands will cause the system to display the convention center POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

COURT HOUSE: This command will cause the system to display the court house POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

TRAIN STATION: This command will cause the system to display the train station POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

AIRPORT: This command will cause the system to display the airport POI icons, if available when the map scale is set to a half mile (eight-tenths km) or less.

BUS STATION: This command will cause the system to display the bus station POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

COMMUTER RAIL STATION: This command will cause the system to display the commuter rail station POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

FERRY TERMINAL: This command will cause the system to display the ferry terminal POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

PARK & RIDE: This command will cause the system to display the park & ride POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

REST AREA, REST STOP: These commands will cause the system to display the rest area POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

TOURIST INFORMATION: This command will cause the system to display the tourist information POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

HISTORICAL MONUMENT: This command will cause the system to display the historical monument POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

PERFORMING ARTS: This command will cause the system to display the performing arts POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

MUSEUM: This command will cause the system to display the museum POI icons, if available when the map scale is set to a half mile (eight-tenths km) or less.

BANK: This command will cause the system to display the bank POI icons, if available when the map scale is set to a half mile (eight-tenths km) or less.

SCHOOL: This command will cause the system to display the school POI icons, if available when the map scale is set to a half mile (eight-tenths km) or less.

ATM: This command will cause the system to display the ATM POI icons, if available when the map scale is set to a half mile (eight-tenths km) or less.

HIGHER EDUCATION, UNIVERSITY, COLLEGE: These commands will cause the system to display the higher education POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

BUSINESS FACILITY: This command will cause the system to display the business facility POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

CITY CENTER: This command will cause the system to display the city center POI icons, if available on the map screen when the map scale is set to a half mile (eight-tenths km) or less.

POI OFF: This command will cause the system to turn off the POIs so they do not appear on the map screen.

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