# 2005 Cadillac CTS Navigation System

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Overview

Navigation System Overview
A. MAIN Key. See Main Menu on page 1-6.
B. CD Loading Slot.
C. LOAD Key. See “Playing a CD” under Navigation Audio System on page 3-2.
F. TRAF (Traffic) Key. See “Radio Station Information” later in this section.
G. INFO Key. See “Vehicle Information” under Main Menu on page 1-6.
I. AUDIO Key. See “Setting the Tone” under Navigation Audio System on page 3-2.
J. DISC Key. See “Playing a CD” under Navigation Audio System on page 3-2.
K. BAND Key. See “Radio Screen” and “Finding a Station” under Navigation Audio System on page 3-2.
L. DVD Loading Slot.
M. Navigation System Screen.
N. DVD Eject Key.
O. Beam Window for Infrared Data Transfer. See Main Menu on page 1-6 for more information.
Q. TUNE/SEL (Tune/Select) Knob. See “Finding a Station” under Navigation Audio System on page 3-2.
R. CD Eject Key.
S. SEEK/SCAN Key. See “Finding a Station” under Navigation Audio System on page 3-2.
Screen Features

A. Driver Information Center (DIC) Line: See “Vehicle Information” under Main Menu on page 1-6 Main Menu and Driver Information Center (DIC) on page 5-14 of your vehicle’s owner manual for more information.

B. Banner: Here is where you will find the title for most screens and menus. This information cannot be edited.

C. Radio Station Information: Here is where you will find current radio frequency and Radio Data System (RDS) station identification information. The information to the right of the frequency is RDS emergency alert, traffic announcements, and program type (PTY).

You will see Emergency Test when the RDS station you are tuned to conducts a test of the local emergency broadcast system. If there is a real emergency, you will see Emergency on the screen and further information will be provided.

Traffic will appear next to the frequency when a station supports the traffic feature. The traffic symbol will be displayed in the lower left corner of the navigation screen when traffic announcements have been enabled by pressing the TRAF key.

D. Radio Data System (RDS): Here is where you will find RDS broadcast information if the RDS Message feature is on. See Navigation Audio System on page 3-2 Navigation Audio System for more information.
E. DVD/Single CD Player Information: Here is where you will find DVD/Single CD player information. A CD symbol indicates there is a CD loaded in the DVD player. A music note symbol next to the CD symbol indicates it is a music CD. A small square symbol next to the CD symbol indicates a DVD containing data is loaded in the player. A film symbol next to the CD symbol indicates a DVD movie is loaded in the player. See Navigation Audio System on page 3-2 Navigation Audio System for more information.

F. CD Changer Information: Here is where you will find CD changer information. The six horizontal lines represent the six slots of the CD changer starting at the bottom with disc one, and so on. If a line is green, a CD is loaded in that slot. If a line is yellow, the CD in that slot is the currently selected CD. If a line is gray, there is no CD in that slot.

G. Time/Radio/CD/CD Changer Information: Here is where the time will be displayed. Radio frequency, audio source, CD, or CD changer information will also be displayed here briefly if any of the following occurs:
- The radio is on and the screen is not a radio, CD, or CD changer main screen.
- The radio frequency has been changed in a non-radio screen.
- The CD track or disc has been changed in a non-CD or CD changer screen.

To display radio or CD information again briefly, press the navigation repeat key.

The previously mentioned information will be displayed on the screen or in the banner while a radio, CD, or CD changer screen is active.

H. Equalizer Information: Here is where you will find the currently active equalization information. See “Setting the Tone” under Navigation Audio System on page 3-2 Navigation Audio System for more information.

I. Navigation System Route Information: Here is where you will find the status of a currently planned and calculated route. The road you are currently traveling on, the estimated time to destination, and the distance remaining to destination will be displayed.

If you are not on a planned route, an arrow indicating the general direction of your destination will be displayed along with the distance remaining to destination. This figure is based on straight line measurement and may not be accurate. Once a planned route is entered, the actual distance and time remaining to destination will be calculated.

J. Digital Signal Processing (DSP) Information: Here is where you will find Digital Signal Processing (DSP) information. See “Setting the Tone” under Navigation Audio System on page 3-2 Navigation Audio System for more information.
K. Automatic Volume Compensation (AVC) Information: Here is where you will find Automatic Volume Compensation (AVC) information. See “Setting the Tone” under Navigation Audio System on page 3-2 Navigation Audio System for more information.

L. TUNE/SEL and SEEK/SCAN Functions: Here you will find what functions are available for the TUNE/SEL knob and SEEK/SCAN key. Only the highlighted functions are available. The curved double arrow represents the TUNE/SEL knob, the solid dot represents pressing the TUNE/SEL knob, and the straight double arrow represents the SEEK/SCAN key.

M. Reconfigurable Keys: These keys are reconfigurable because their function can change with the different screens and menus of the system. These six reconfigurable keys control the prompts on the right side of the navigation screen.

If you see a triangle or carat symbol in the upper right corner of a prompt, it means that key is programmable. Once the function you want is active, press and hold the key until a beep sounds. The new function is now programmed and will display as the prompt for that reconfigurable key. See “Setting Preset Stations” under Navigation Audio System on page 3-2 Navigation Audio System for more information.

Main Menu

The Main Menu provides a brief overview of navigation system functions. Press the MAIN key located to the left of the CD loading slot to access the Main Menu.

The following items are available from this menu:

**DVD**
Select DVD to start playing a DVD movie if one is loaded. See CD/DVD Player on page 3-17 for more information.

**Radio**
Select Radio to display the radio screen. You can also access the radio screen by pressing the BAND key. See Navigation Audio System on page 3-2 for more information.

**CD**
Select CD to display the CD changer screen. You can also access the CD changer screen by pressing the DISC key. If a CD is loaded in the CD changer, it will begin to play. See “Playing a CD” under Navigation Audio System on page 3-2 for more information.
Audio
Select Audio to display the audio screen. You can also access the Audio screen by pressing the AUDIO key. From this screen you can adjust sound levels such as bass and treble. See “Setting the Tone” under Navigation Audio System on page 3-2 for more information.

Navigation
Select Navigation to display the Navigation System Startup screen if you have not previously accessed the navigation system since you turned on the ignition. You must press Agree in order to continue using the navigation system.

If you have previously accessed the navigation system since turning on the ignition, the current map will be displayed.

You can also access the navigation screen by pressing the NAV key. See Navigation System Overview on page 1-2 for more information.

Address Book
Select Address Book to display the Address Book screen. From this screen you can store names, phone numbers, and addresses. Information will be stored alphabetically.

To access previously stored information, do the following:
1. Turn the TUNE/SEL knob until you reach the letter grouping that contains the first letter of the person's last name. The grouping will be highlighted.
2. Press the TUNE/SEL knob once. All information stored under that grouping will be listed.
3. Scroll to the name you want and press the TUNE/SEL knob to select it. The information you selected will be displayed on the screen.

New Information can be entered manually or transferred from a Palm™ hand-held computing device. See "Receive" later in this section for more information.

New Entry
To enter information manually to the Address Book, select New Entry, then, do the following:
1. Turn the TUNE/SEL knob to scroll to the desired entry field and select Edit.
2. Turn the TUNE/SEL knob to select the first letter required. Press the knob once to set the letter and advance the cursor.
3. Continue entering letters and/or numbers until the entry is complete.
4. Select OK to return to the New Entry screen.
5. Turn the TUNE/SEL knob to scroll to the next field.

6. Press the TUNE/SEL knob once to enter this field’s information.

7. Repeat these steps until all the desired fields are entered.

8. Select Done to complete the entry.

The following reconfigurable keys are available from the New Entry screen:

**Receive**: Select Receive to transfer information stored in a Palm™ hand-held computing device. The Beam screen will be displayed, and you will be prompted to transfer the data. See “Enter Destination” under Navigation Menu on page 2-12 for more information.

**Edit**: Select Edit to edit previously stored information. Do the following to edit information stored in the address book:

1. Perform Steps 1 through 3 listed previously to access stored information.
2. Scroll to the area you want to edit and press the TUNE/SEL knob to bring up the alpha-numeric keypad.
3. Edit the desired information.
4. Select Done to save your changes and then Back to exit the Edit menu.

**Delete All**

Select Delete All to delete all information stored in the address book. The system will ask you to confirm deletion. Press and hold the Yes reconfigurable key until it beeps to delete all of the information, or select No to cancel deletion and return to the Address Book screen.

**Setup**

Select Setup to access the Setup Menu and adjust basic features of the system to your preference. See Setup Menu on page 2-7 for more information.

**Feature Programming**

Select Feat Prog to customize the programmable features on your vehicle to your preference. See Driver Information Center (DIC) on page 5-14 for more information.
Select Voice Memo to record and play back up to 10 personalized messages. The Voice Memo feature is disabled while the vehicle is moving.

Turn the TUNE/SEL knob to scroll through any previously recorded messages. Once the desired memo is highlighted, press the knob to play it.

Record button: Press this key to begin recording a message. It will start recording when you begin speaking. It will cancel the recording if you do not speak within 10 seconds.

Append button: Press this key to add to a previously recorded message. To use this feature, do the following:
1. Turn the TUNE/SEL knob until the message you want to add to is highlighted.
2. Press the Append key, then begin recording the additional information.

Play button: Press this key to play a previously recorded message. Play is also used to resume playback of a message after it has been paused. While the message is playing, the Skip Fwd, Skip Back, Pause, and Stop keys will be available.

Skip Fwd (Skip Forward): Press this key to fast forward through a message. This key is only available while a message is playing.

Skip Back: Press this key to reverse quickly through a message. This key is only available while a message is playing.

Pause: Press this key to stop playback of a message. The system will remember where the message was paused and will resume play at the same location when the Play key is pressed. This key is only available while a message is playing.

Stop: Press this key to stop playback of a message. This key is only available while a message is playing.

Delete: Press this key to delete previously recorded messages.
Browser
Select Browser to view HTML files, 3.2 or newer, stored on a DVD, DVD-R, or CD-ROM. See Browser on page 1-9 for more information.

Vehicle Information
Select Vehicle Info to check the status of several of your vehicle’s systems. You can also access this menu by pressing the INFO key. See Driver Information Center (DIC) on page 5-14 for more information.

Browser
With the browser function, you can display information from discs containing HTML files, 3.2 or newer, on the navigation screen. The files can be accessed and viewed, but no input will be allowed using this system.

To access the Browser, do the following:
1. Press the MAIN key located to the left of the CD loading slot.
2. Press the reconfigurable key next to the Browser prompt. The Browser will appear on the screen.

You must have a DVD, DVD-R, or CD-ROM containing HTML files in the player to access the Browser. If the file has an index labeled index.htm, it will open automatically. For files with any other kind of index, you will need to enter the name of the file manually using the alpha-numeric keypad. See Using the Navigation System on page 2-2 for more information.

Once the file has been opened, you may use the TUNE/SEL knob to move to the various links. Once you have reached the end of the screen, you will be able to move up and down.

The reconfigurable keys located to the right of the navigation screen allow you to perform the following functions:

- (Back): Press this key to go back to the previous page.
- (Scroll Up): Press this key to scroll upward on the currently active page.
- (Scroll Down): Press this key to scroll down on the currently active page.
- (Switch Frame): Press this key to switch from one frame to another if the page shows frames.
(Exit): Select this item to exit the Browser.

(Menu Items): Press this key to turn Browser menu items on and off.

If this key is pressed, the Browser menu items will be displayed at the bottom of the screen. To select a browser menu item, turn the TUNE/SEL knob until the menu item you want is highlighted, then press the knob to select it.

The following Browser menu items may be selected:

**Back:** Select this item to go back to the previous page.

**Forward:** Select this item to go to the next page.

**Reload:** Select this item to read the currently active page again.

**Stop:** Select this item to stop reading a file.

**History:** Select this item to display file history.

**URL Jump:** Select this item to change from one stored web page to another using the Uniform Resource Locator (URL) or the name of the web page you wish to view.

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**Personal Choice Controls**

This feature allows up to two drivers to store and recall personal settings for the audio and navigation systems. The following settings can be stored and recalled:

- Navigation settings such as Day and Night screen modes or route planning methods
- Audio settings such as preset stations and equalization

Each time a driver chooses or changes audio or navigation system settings, the changes will be stored in the system. To recall these settings, press the unlock button on the remote keyless entry transmitter or press memory buttons 1 or 2 on the driver’s door.
Getting Started

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

The navigation system allows you to do the following:

- Plan a route with provided turn-by-turn route and map guidance with voice prompts.
- Select a destination using various methods and choices.
- Receive broadcast announcements on traffic and emergency alert communications.

The information in the system may not always be complete. Road conditions such as prohibited turns, detours, and construction zones, change frequently. It is important to consider whether you can follow the directions given by the system for the current conditions.

When getting started, you may set the navigation system to your preference using various options. To do so, reference the following topics:

To adjust screen appearance, language, clock, English/metric measurements, voice guidance volume, or other options, see Setup Menu on page 2-7.

Quick Start Guide

Insert the Map DVD into the DVD slot on the navigation system. Press the NAV hard key and press the Agree button to show the navigation map screen.

Entering an Address

1. Press the TUNE/SEL knob to display the Navigation Menu.
2. Press the Enter Dest reconfigurable soft key.
3. Press the Address reconfigurable soft key.
4. Press the State reconfigurable soft key. Use the TUNE/SEL knob to enter and select the name of the state where the address is located.
5. Press the City reconfigurable soft key. Use the TUNE/SEL knob to enter the name of the city where the address is located. Press the List reconfigurable soft key to display a list of cities that match the letters you entered and use the TUNE/SEL knob to select the desired city.

Remember to use the same city that you would when mailing a letter, for example, the postal address city.
6. Use the TUNE/SEL knob to enter and select the street name for the address. Remember to enter only the street name and not the direction, for example, for N Civic Center Dr. only enter CIVIC CENTER DR. Use the TUNE/SEL knob to enter the address number for the address.

7. Press the Calc reconfigurable soft key and the system will calculate a route. Once the route is calculated, the system will display and voice turn by turn guidance to the destination.

**Entering a Point of Interest (POI) by Name, Category, or City**

1. Press the TUNE/SEL knob to display the Navigation Menu.

2. Press the Enter Dest reconfigurable soft key.

3. Press the All POI reconfigurable soft key.

4. If you know the city where the POI is located press the City reconfigurable soft key. Use the TUNE/SEL knob to enter the name of the city where the address is located. Press the List reconfigurable soft key to display a list of cities that match the letters you entered and use the TUNE/SEL knob to select the desired city. Be sure to select the city that has the appropriate state abbreviation associated with it.

5. If you would like to limit your POI search to a specific type or category of POIs, press the Category reconfigurable soft key. Use the TUNE/SEL knob to scroll through and select the category.

6. If you know the name of the POI, use the TUNE/SEL knob to enter the name of the POI.

7. You may also press the List reconfigurable soft key at any time to display the POIs that match the information you have entered. The system will automatically display a list of POIs that match the information that you have entered when there are only a few matches in the database.

8. Use the TUNE/SEL knob to highlight the desired POI. If you would like to see the information associated with the highlighted POI, press the Info reconfigurable soft key to have the phone number, name and address displayed. If you would like to have the POIs displayed in order from closest to furthest, press the Sort reconfigurable soft key.

9. After highlighting the desired POI, press the TUNE/SEL knob to select the POI and calculate a route. Once the route is calculated, the system will display and voice turn by turn guidance to the destination.
Entering a Nearby POI

1. Press the TUNE/SEL knob to display the Navigation Menu.
2. Press the Enter Dest reconfigurable soft key.
3. Press the Nearby POI reconfigurable soft key.
4. Use the TUNE/SEL knob to scroll and select the desired category. The system will then show a list of all POIs in the selected category that are located within 30 miles of the car’s current position.

5. Use the TUNE/SEL knob to highlight the desired POI. If you would like to see the information associated with the highlighted POI, press the Info reconfigurable soft key to have the phone number, name and address displayed.

6. After highlighting the desired POI, you may press the TUNE/SEL knob or the Calc reconfigurable soft key and the system will calculate a route. Once the route is calculated, the system will display and voice turn by turn guidance to the destination.
Section 2  Features and Controls

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Features and Controls

Using the Navigation System

This section presents basic information you will need to know to operate the navigation system.

The main navigation menu displays a number of options which offer information on a variety of topics. See Navigation Menu on page 2-12 for more information.

Use the keys located on both sides of the navigation screen to operate the system.

Once the vehicle is moving, various functions will be disabled to reduce driver distractions.

Navigation System Startup Screen

This screen will appear the first time you access the navigation system. Press the Agree reconfigurable soft key to use the navigation portion of the system.

You can also change the language of the system at this time. To do so, press the reconfigurable soft key associated with the desired language. An X will appear next to your choice, and all system related language will change.
Hard Keys
The following hard keys are located to the left of the navigation screen:

**MAIN:** Press this key to access the Setup menu. See Setup Menu on page 2-7.

**LOAD:** Press this key to load a CD(s). See “Playing a CD” under Navigation Audio System on page 3-2.

**PWR/VOL Knob:** Press the power/volume knob to turn the audio and navigation systems on and off. Turn the knob to increase or decrease the volume to the audio system or the volume of a voice prompt while the prompt is playing.

**NAV Button:** Press the navigation repeat key to repeat the current voice guidance navigation prompt.

**TRAF:** Press this key to enable traffic announcements. See “Screen Features” under Navigation System Overview on page 1-2 for more information.

**INFO:** Press this key to access the Vehicle Information screen and to check the status of several of your vehicle’s systems. See Driver Information Center (DIC) in Section 3 of your vehicle’s owner manual for more information.

**NAV:** If you are in a menu and are not on the map screen, press the NAV key to view the current map showing vehicle position.

If a route has not been planned, pressing this key will display the map screen and the following information:

- North Up, Heading Up, or Birdview™ symbols
- Audio source
- GPS icon
- Map scale

If a route has been planned, the first press of the NAV key will also display the following information:

- Number of miles/kilometers between current vehicle position and the destination
- Estimated travel time to the destination
- Highlighted route or turn-by-turn instructions

Each time the NAV key is pressed, the reconfigurable soft key descriptions to the right of the navigation screen will “expand” to show a detailed description of each. The prompts will return to their normal appearance after about 10 seconds.

You will find more information on each feature found on a map screen later in this manual.
**AUDIO:** Press the AUDIO key to access the Audio menu. See “Setting the Tone” under Navigation Audio System on page 3-2.

**DISC:** Press the DISC key to access the CD Changer menu. See “Playing a CD” under Navigation Audio System on page 3-2.

**BAND:** Press the BAND key to access the Radio screen and switch between AM, FM1, FM2, XM1, or XM2, if equipped. See “Finding a Station” under Navigation Audio System on page 3-2.

The following hard keys are located to the right of the navigation screen:

- **(Eject):** Press one of the eject buttons to eject either the map DVD or a CD(s). See Navigation System Overview on page 1-2.

**TUNE/SEL Knob:** Press the tuning knob to go to the next or previous radio station and stay there. See “Finding a Station” under Navigation Audio System on page 3-2. If you are currently viewing a map screen, you may also press this knob to access the Navigation Menu. See Navigation Menu on page 2-12.

- **SEEK/SCAN ▶ :** Press the SEEK/SCAN right or left arrows to go to the next or previous radio station and stay there. See “Finding a Station” under Navigation Audio System on page 3-2.

In addition to the hard keys, there are also six reconfigurable soft keys located to the right of the navigation screen. Use these keys to select the following prompts:

- Press this key to switch between a North Up, Heading Up or Bird’s Eye view of the map. This symbol changes to reflect the next available view.

- Press this key to get a closer look at a smaller section of the map you are traveling on.
Press this key to see a larger scale of the map you are traveling on. You can also view your highlighted route. See Navigation Menu on page 2-12 for more information.

Press this key to view a list of all points of interest (POI) close to the area in which you are traveling.

Press this key to access the Enter Destination screen.

Press this key to view a list of the last 10 destinations to which you have traveled.

Press this key to detour around a problem area while you are traveling on a planned route. You can choose the length of the detour.
If you have a planned route and would like to see if there is a possible option to your current heading, you may also press this key to activate the auto-reroute feature. The system may give you alternate routes to the one currently planned.

Press this key to instruct the system to plan a route based on the criteria that has been entered into the system.

**Alpha-Numeric Bar**

Letters of the alphabet, symbols, punctuation, and numbers, when available to you, will be displayed on the navigation screen as an alpha or numeric bar. The appropriate bar will automatically be displayed whenever the system needs information from you. The alpha bar will be displayed when the system needs you to input a street or city name. The numeric bar will be displayed when the system needs you to input a phone number or house address.

Move through the list of characters by turning the TUNE/SEL knob, then press the knob to select a character. The numbers available to you are at the end of the alpha-numeric bar.

| (Space): Select the space symbol to enter a space between characters or the words of a name. |
| (Backspace): Press the reconfigurable soft key next to the backspace prompt if you have selected an incorrect character. |

To make your name selections easier, the system will only allow you to select a character which can follow the last one entered. For example, if you enter Z, you would not be allowed to follow it with T. The system will only display the available characters.

If you are unsuccessful when inputting a name, it may need to be selected differently. It is also possible that the map DVD database may not contain that information or the correct search area has not been selected. See **Database Coverage Explanations on page 2-37** for more information.
Setup Menu

The following items are available from the Setup menu:

**Measurement Units**

Select Measurement Units to choose the units of measurement for the vehicle's systems. You can choose between Mile/feet (Mi/ft), Mile/yard (Mi/yd), and Kilometer/meter (Km/m).

Turn the TUNE/SEL knob to scroll through the choices. Once your choice is highlighted, press the knob to select it. An X will appear in the box next to the item to show it has been selected. Once you set your choice, all vehicle systems will change to those measurement units. For example, if you choose kilometers, the climate control panel will show degrees Celsius instead of degrees Fahrenheit.

Press the Back key to return to the main Setup screen.

The Setup menu allows you to adjust the basic features of the navigation system screen.

To access the Setup Menu, do the following:

1. Press the MAIN key located to the left of the CD loading slot.
2. Press the Setup key.
Display

Select Display to adjust the appearance of the screen. The following items are available for selection or adjustment:

**Auto:** Auto mode allows the system to automatically adjust the display for day or night, depending on exterior lighting conditions. Press the key next to the Auto prompt to select it. An X will appear to show it has been selected.

**Day:** Day mode is best suited for daylight conditions. The displays are brighter with a lighter background so they can be seen better during daylight hours. Press the key next to the Day prompt to select it. An X will appear to show it has been selected. You can select this mode regardless of exterior lighting conditions.

**Night:** Night mode is best suited for nighttime conditions. The displays are more dim with a darker background so they can be seen better during nighttime hours. Press the key next to the Night prompt to select it. An X will appear to show it has been selected. You can select this mode regardless of exterior lighting conditions.

**Contrast:** Press the key next to the Contrast prompt to select it, then turn the TUNE/SEL knob to increase or decrease the contrast. A bar graph on the screen will reflect the change in contrast.

**Brightness:** Press the key next to the Brightness prompt to select it, then turn the TUNE/SEL knob to increase or decrease the brightness. A bar graph on the screen will reflect the change in brightness.

**Voice Volume**

Select Voice Volume to adjust the volume level of navigation voice prompts or to turn the prompts on and off. See “Interrupt Volume” under Navigation Audio System on page 3-2 for more information.

**Clock**

Select Clock to set the time and adjust other time options. The following items are available for selection or adjustment:

**Hr +/-:** Press the key next to Hr+ or Hr− to increase or decrease the hour on the clock.

**Min +/-:** Press the key next to Min+ or Min− to increase or decrease the minutes on the clock.
Auto GPS Update: Select this item to set the navigation system time to GPS time. See Global Positioning System (GPS) on page 2-35 for more information.

Daylight Savings Time: Select this item to observe daylight savings time and advance the hour by one. An X will appear to show this item has been turned on.

Select Time Zone: Select this item to choose the correct time based on the time zone you live in. Choose between Atlantic, Eastern, Central, Mountain, Pacific, Alaskan, and Hawaiian.

Turn the TUNE/SEL knob to scroll through the choices and press the knob to set your selection. The current time for that time zone will appear on the display along with an X to show it has been selected.

12h/24h: Select this item to choose between 12h for standard time or 24h for military time.

Press the TUNE/SEL knob to switch between the two choices, then press the key next to the OK prompt to set your choice.

You must press the OK key to save any adjustments you have made to the time options, or they will be lost.

Press the Back key to exit the Clock menu without saving your changes.

Language

Select Language to choose the language you prefer for information on the display, voice recognition, and voice prompts. Choose between English, French, or Spanish.

To select a language, press the key next to the language you prefer. An X will appear next to the language to show it has been selected. All information on the display will appear in the selected language.

Programmable Steering Wheel Controls (CTS)

You may select Prog SWC to program steering wheel controls 1, 2, 3, and 4. See “Audio Steering Wheel Controls” in your vehicle’s owner manual for more information.

Vehicle Position

Select Veh Position to correct an error in your vehicle’s position or direction. Use the scroll arrows to adjust the vehicle’s position. After adjusting, press the Set key. See “Map Scroll” under Navigation Menu on page 2-12 for more information.

This item is only available if the map DVD is loaded and the vehicle is in PARK (P) for an automatic transmission, or the parking brake is engaged and the vehicle speed is less than 5 mph (8 km/h) for a manual transmission.
Maps

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

The maps are stored on a DVD-ROM. The 48 contiguous United States, Hawaii, and portions of Canada are contained on one disc. The U.S. map database includes interstate freeways, state highways, country roads, and major and general streets.

Refer to the “Navigation System Map Disc” manual to view the explanation of map coverage. The map disc manual will be in your map DVD case when the vehicle is delivered from the factory.

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

1. Turn the ignition on.
2. If already loaded, eject the map DVD or audio CD from the slot.
3. Load the map DVD into the slot by inserting it partway. The system will pull it in.

Once the map DVD is inserted correctly, you will have the following two choices:
- Select a Language
- Agree

English is the default language, or you can choose to select French or Spanish at this time. See “Language” under Setup Menu on page 2-7 for more information.

You may also select Agree to go to the navigation screen. The map will appear with your current vehicle position on the map.

If your current vehicle position is incorrect on the map, see “Vehicle Position” under Setup Menu on page 2-7.

Map Adjustments

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

To view a larger or smaller scale of the map, press the reconfigurable soft key next to the zoom in or zoom out prompts. See “Hard Keys” under Using the Navigation System on page 2-2 for more information.

Map Scales

The scale of a map can range from 1/64 of a mile (25 km) to 80 miles (128 km).
Symbols

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

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

This symbol will appear on the map when a waypoint has been entered.

The number on the flag indicates the sequence of the waypoint on the route. See “Creating a Trip with Waypoints” under Navigation Menu on page 2-12 for more information.

This symbol indicates the map with North up, known as North Up mode.

While in North Up mode, North will always be at the top of the map screen regardless of which direction the vehicle is traveling.

See “Plan a Route” under Navigation Menu on page 2-12 for more information on planning a route.
This symbol indicates the map with the vehicle travel direction up, known as Heading Up mode.

The shaded diamond with the N indicates North. While in Heading Up mode, the direction your vehicle is traveling will always be at the top of the map screen. If a red stick pin appears along a highlighted route on a map screen, it marks a place where turn guidance is provided.

Navigation Menu

To access the Navigation Menu, press the TUNE/SEL knob when viewing a map screen. Using this menu, you can choose from several options and use the reconfigurable soft keys to make adjustments to the system and plan routes.
Navigation Menu Options

Turn View
Select this option to decide which view of the map you will see as your trip progresses. The following reconfigurable soft key options will be available with this option:

Map: Press this key to display the map with the route highlighted. The map will display street names and you will see the progress of route travel on the map as you follow the highlighted route.

Popup: Press this key to see a regular view of the map and to have the next turn, represented by an arrow pointing in the direction of the turn, pop up as you approach it.

Always: Press this key to see the regular view of the map and the popup view on the screen together at all times.

TBT (Turn-By-Turn): Press this key to see the route as a series of turns. No map view will be offered with this option. Instead, the entire intersection will be displayed, along with the next maneuver that you will be required to perform.

Always Split
The system will also supply street names when available. The display will change to the next maneuver when the vehicle completes the current maneuver.

**Turn-By-Turn (TBT) List:**
Press this key to see all the turns in the next 50 miles (80 km) of the planned route listed in order on the screen. The turn list will update to include new maneuvers as you move closer to your destination. There will be an arrow to the left of each turn indicating the direction of the turn.

**Delete Current Trip**
Select this option to delete the current trip. The system will ask you to confirm your choice by selecting Yes or No. Press the Yes key to delete the current trip or the No key to continue with the planned route.

**Guidance**
Select this option to turn guidance on and off. If guidance has been turned off, the navigation repeat key can also be used to turn guidance on. See *Navigation System Overview on page 1-2* for more information.
GPS Information

Select GPS Info to see the latest GPS information available for your vehicle. This can include latitude, longitude, heading, etc. The last direction in which the vehicle was heading while in motion will be displayed.

Voice Volume

Select Voice Volume to adjust the navigation and voice recognition prompt volume level for the system. Turn the TUNE/SEL knob to increase or decrease the volume. When you stop turning the knob, the system will respond with “Louder” or “Softer” to provide you with an example of the new volume at each level. You can also turn the navigation prompts on and off using the NAV key.

Map Scroll

Select this option to move and adjust the map view. This view can also be used to enter destinations, waypoints, and stored points.

While in Map Scroll, turn the TUNE/SEL knob to choose the direction in which you want to move the map. Then, press the knob to move the map in that direction. The map will continue to move as long as the TUNE/SEL knob is pressed. See “Map Entry” under “Enter Destination” later in this section for more information.
Map Icons

With this option, you can choose which icons you want to appear on the map. These icons will appear at the location of the point of interest (POI).

To set the icons, do the following:
1. Turn the TUNE/SEL knob until the icon is highlighted.
2. Press the TUNE/SEL knob to select the icon. When the icon is selected, an X will appear in the box next to the icon.

If you prefer to see all the icons, press the Set All reconfigurable soft key. This will select all five icons. You can de-select all previously chosen icons by pressing the Clear All reconfigurable soft key. De-selecting all icons means that these five icons will not appear on the screen while you are traveling on a planned route.

Interstate America®: This feature allows the system to inform you of the services available at each exit on a major highway, such as restaurants, gas stations, lodging, etc.
Once you have a route planned and begin to travel on an interstate, a box with a series of icons will appear in the upper left corner of the screen. These icons indicate what services are available at the next exit. A smaller Interstate America icon will appear on the map next to the referenced exit.

### Tracking

Select this option to leave a trail showing where you have been on the map. Your path will be represented by bubbles that appear three-dimensional on the screen.

Tracking can be useful for the following reasons:

- When tracking is activated, you can see where you have already traveled.
- When you wish to return to your point of origin without planning another route, you can follow the tracking bubbles back to where you started.
- When you drive into an area with few digitized roads listed in the DVD database, you can follow the tracking bubbles back to a digitized area.

To clear the trail left by tracking, turn off Tracking by pressing the TUNE/SEL knob. This will erase the bubbles. You may then choose to turn Tracking back on again, in which case your trail will begin from your current location.

The maximum length of a tracking trail is 50 miles (80 km). Once you exceed this distance, the bubbles marking the beginning of your route begin to disappear as new ones are created at the end of your trail.
Setup Menu Reconfigurable Soft Key Options

Any reconfigurable soft keys shown here or shown under the Enter Destination Menu later in this section may be changed to help you personalize the system. See “Hard Keys Using the Navigation System on page 2-2 for more information.

To change a menu item to a reconfigurable soft key, do the following:

1. Scroll to and highlight the menu item using the TUNE/SEL knob.
2. Press and hold the reconfigurable soft key you wish it to replace for two seconds.

The menu item will now be a reconfigurable soft key and will remain that way unless you choose to change it. The item that was originally that reconfigurable soft key will now be a menu item.

Back is the only reconfigurable soft key that cannot be changed or moved.

Route Option

The five icons that appear at the bottom of the screen indicate which route options have been selected. These same icons appear on the navigation screen when calculation is in progress.
When you press the Route Option reconfigurable soft key, you are able to select from the following options on the route calculation methods list:

**Shortest/Fastest Route**: The system will calculate the shortest route or fastest route possible. The system determines the shortest route based on the shortest distance. The fastest route is the route with the lowest estimated travel time.

**Use Freeway**: The system will calculate the best route using the freeways wherever possible.

**Use Tollroad**: The system will calculate the best route using tollroads wherever possible.

**Use Ferry**: The system will calculate the best route possible using ferries wherever possible.

**Use Time Restricted Roads**: The system will calculate the best route possible using roads that are time restricted. These include any roads where use is prohibited by the time of day you are traveling, such as no left turns before 3:00 p.m., etc.

**Auto Recalc (Automatic Recalculation)**: If you have selected this option and leave the original calculated route, the system will automatically calculate a new route without any further input from the driver.

To choose from the list of options, use the TUNE/SEL knob. You may select all or none of the options listed as route calculation options.

From the Route Option menu you will also be able to use the following reconfigurable soft keys:

**Whole Route**: The system will go to the main navigation map and zoom out so that the entire route will be displayed.

**Simulation**: The system will simulate traveling along the route.

**Avoid Area**: The system will allow you to choose an area you want to avoid traveling through. When you press this key, a map showing the travel area will be displayed, along with arrows allowing you to scroll to the area on the map you want to avoid. See “Map Scroll” listed previously in this section for more information.
Before you set the area to avoid, you may want to select the FWY (Freeway) key so the system will allow you to take the freeway through the avoidance area. If you do not select it first, the system will avoid the chosen area entirely.

You can enter up to 10 avoidance areas.

**Calc (Calculate):** The system will begin calculating the chosen route using the route options you have selected.

**Back:** Press this key to return to the previous screen.

**Store Point**

Press the Store PT key to save the current location to a stored point in the system’s memory.

A total of 60 points can be stored. The first stored point is reserved for your home location. If all 60 points are entered, the system will notify you that there is no available storage space left in memory. A currently stored point must then be removed before another can be stored.

### Stored Points

Press the Stored PTs key to view a list of all points. The list will show points stored, reserved, and empty points. The first stored point will be considered Home. You must store the location you would like to be Home.
The list will also display the following reconfigurable soft keys:

**More:** Use this key to scroll through the complete name of a stored point.

**Sort:** This key allows you to sort your stored points into one of five available categories: Personal, Business, Leisure, Special, and Uncategorized Point.

Once you have categorized the stored point, press the Back key to return to the previous menu. Each categorized stored point will have an icon in front of it and will be highlighted a different color than other marked points on the list. You may then press one of the reconfigurable soft keys to sort your stored points by that category.

**Map:** This key takes you to the map showing the location of the selected stored point.

**Lock** : This key allows you to lock the selected stored point so it cannot be accidentally deleted.

**Delete All:** This key deletes all stored points which have not been locked in.

**Back:** This key always returns you to the previous screen.

Use the TUNE/SEL knob to move to the stored point you want to edit. Once you make your selection by pressing the TUNE/SEL knob, you will be able to do the following:

**Edit Name:** Select this option to edit the name of a stored point. The alpha-numeric bar will appear at the bottom of the screen to allow you to input the new name or address. See “Alpha-Numeric Bar” under *Using the Navigation System on page 2-2* for more information.

**Categorized (Landmark):** Select this option to categorize and attach a landmark icon to your stored point. Select the category with the reconfigurable soft key, then use the TUNE/SEL knob to scroll and select the desired landmark icon.

**Delete:** Select this option to delete stored points from the list. If you select this option, the system will ask you if you are sure you want to delete the stored point. You may then press Yes or No and return to the previous screen.

**Change:** Select this option to change a currently stored point.
**Trip Points**

Trips can be as simple as one destination, or in addition to the destination, can have up to 10 waypoints. Select this option to list, edit, and save the waypoints and destination entered for your current trip. Once you have entered all the points for the trip, press the Store reconfigurable soft key to save the trip to memory. The system will allow you to save up to 10 trips.

The following choices are available in the Trip Points menu:

**Route Option:** This key is the same as Route Option from the main Navigation Menu. See “Route Option” listed earlier for more information.

**Store:** Press this key to save a trip to memory.

**Stored Trips:** Press this key to retrieve a list of all stored trips.

The following prompts are available to you while in the Stored Trips menu:

**More:** Press this key to scroll through the full name of the stored trip when all of the information does not fit on the display. Each time this key is pressed, the scrolling speed is increased.

**Info (Information):** Press this key to list the destination and any waypoint(s) for a stored trip.

**Map:** Press this key to view the map associated with the stored trip.

**Edit Name:** Press this key to change some or all of the information of the saved trip name.
Delete: Press this key to delete a stored trip.

Back: Press this key to return to the previous menu.

Edit: Press this key to change your stored trips. Use this function to change the order or delete any or all waypoints or the destination within a trip.

To change the order of a stored trip, do the following:
1. Scroll to the waypoint or destination you want to move using the TUNE/SEL knob.
2. Press the reconfigurable soft key next to the Move prompt.
3. Turn the TUNE/SEL knob to move the point to the desired location.
4. Press the reconfigurable soft key next to the OK prompt to confirm the change.

Calc (Calculation): Press this key to start route calculation.

Back: Press this key from the Trip Points Menu to return to the main Navigation Menu.

Enter Destination

Press the Enter Dest key to display the Enter Destination menu. This menu will give you more ways to plan a trip. You may choose to enter a destination using one of the items from the list on the screen. Use the TUNE/SEL knob to choose from the following destination planning options:

Go Home
This option will take you to the destination you stored as Home. See “Stored PTs” earlier in this section for more information.
**Stored Points**
This option allows you to select a destination from your stored points list.

**Stored Trips**
This option allows you to select a destination from your stored trips list.

**Intersection**
This option allows you to select a destination by inputting two intersecting roads. To do this, use the following:

1. Press the State reconfigurable soft key and use the TUNE/SEL knob to enter in the correct state.
2. Press the City reconfigurable soft key and use the TUNE/SEL knob to enter the name of the city where the intersection is located.
3. Press the List reconfigurable soft key to display a list of cities that match the letters you entered and use the TUNE/SEL knob to select the desired city.
4. Use the TUNE/SEL knob to enter in the name of the first intersecting street. Remember to enter only the street name and not the direction, for example, enter only Civic Center Dr, not N. Civic Center Dr.
5. After entering in some of the letters, the system will display a list of streets that match the entered letters. Use the TUNE/SEL knob to scroll and select the desired street.
6. The system will now prompt you to enter in the name of the second intersecting street. Using the same method as before, enter in and highlight the second intersecting street.
7. You may press the Map multifunction key to see a map of the intersection.
8. After highlighting the desired street, press the Calc multifunction key or press the TUNE/SEL knob to begin route calculation. Once the route is calculated, the system will display and voice turn by turn guidance to the intersection will begin.
**Phone**
This option allows you to select a destination by inputting the phone number of a POI on the map DVD. Residential phone numbers are not available to be entered.

When you select Phone, the alpha-numeric keypad will appear to allow you to enter the phone number of your destination. Once the phone number has been entered, the Map reconfigurable soft key will display a zoomed in map of the POI that matches the phone number entered. The Set Dest reconfigurable soft key will add the destination as the final waypoint to the current trip. The info reconfigurable soft key will display the POI name, address and telephone number information. Press the Calc reconfigurable soft key to begin route calculation. Once the route is calculated the system will display and voice turn by turn guidance to the destination will begin.

If a phone number cannot be found, “no phone number is available” will be displayed.

**Previous Origin**
This option allows you to return to the place where you started your last planned route. Only one previous origin can be stored at a time by the system. Once you enter a new route, the previous origin will be changed.

**Map Entry**
This option allows you to enter a destination by using the map. Turn the TUNE/SEL knob to select a direction to scroll. Press the TUNE/SEL knob to move the map in the direction selected. Use the Set Dest reconfigurable soft key to insert this location as your new destination and take you to the Trip Points menu.

Once you have reached the desired destination, press the Calculate key and a trip will be planned with that as the only point in the trip. You will also hear a voice prompt directing you to “Proceed to the highlighted route.”

Use the zoom in and zoom out keys to view the map as desired.
While in the Enter Dest menu, you may also plan a route using the following reconfigurable soft keys:

**Beam**

This option allows you to input addresses or telephone numbers you may have stored in your Palm™ hand-held computing device directly into the Navigation System.

When transmitting data to the unit, ensure the format is the same as that on the screen. For the system to be able to properly search for an address, standard street and directional abbreviations should be used. Instead of “West Hall Road” use “W Hall Rd.”

When you press the Receive key, the system will ask you to send the data. Hold the Palm near the infrared receiver located in the upper right corner of the screen and transmit. When the information has been successfully received, you will be able to use it to help plan your route.

After receiving the beamed data, the screen will display this data. A search must be performed to find the matching data in the navigation database. Turn the TUNE/SEL knob to select a field to search, then press the Search key. Search will be highlighted if the field is searchable.

You may be requested to select a city or street to narrow the search. After successfully finding the match in the navigation database, you can use the reconfigurable soft keys to map, set the destination, or calculate the route.

If the data cannot be found in the navigation database, “no data found” will be displayed. If this occurs, select another field to search. Repeat this process until all search fields have been checked or a match is found.

You may also select information from the All POI (Points of Interest) or Nearby POI menus to send to your Palm using the INFO button.

A second way to access the Beam screen is through the Address Book screen. See “Address Book” under Main Menu on page 1-6 for more information.
**All POI (Points of Interest)**

This option allows you to choose a destination from the all POI list.

There are four ways to limit a search for a POI from this screen:

- Choose a city, village, township, or county.
- Choose a state.
- Choose a category.
- Enter the name of the POI.

To enter the city of a POI, the state of a POI, or a POI category, do the following:

1. Press either the City, State, or Category key.
2. Enter the name of the city, state, or POI category using the alpha-numeric keypad. To limit the search of a POI, the city or category must be entered first.

As you enter the item, the system will search for a match. Select the correct POI from the list.

To search for a POI by name, enter the name of the POI in the POI Name screen.

The POI Name screen allows you to perform the following functions with the reconfigurable soft keys on the currently selected POI:

**More:** Press this key to view the entire POI name.

**Info (Information):** Press this key to display the name, address, and phone number of a POI. The database may not contain information on some POIs.

**Map:** Press this key to view the location of the vehicle on the map.

**Set Dest (Destination):** Press this key to add the highlighted POI as the final waypoint for the current trip. The system will route to all previously entered waypoints before route guidance will begin to the highlighted POI.

**Sort:** Press this key to sort the POI list by distance from the current location.

Use the TUNE/SEL knob to scroll through the list. Press the knob to calculate the route to the selected POI.
POI Categories

There are many POI categories in the DVD database that you can choose from when using the All POI or Nearby POI options. When viewing this list, you will notice the full names of some POIs will not be displayed due to their length. These names will be followed by three dots. If you wish to see the full name of the POI, press the More key and the system will scroll to the end of the name.

The POI for Restaurant is broken down into 51 distinct categories. Select Restaurant from the POI choices and press the List key. Cuisine Type will then appear as an option. Press the List key again to view the restaurant categories and select one to use as your POI.

Nearby POI

This feature allows you to limit your choices of a Nearby POI to within a 30 mile (48 km) radius of one of three locations: current location, waypoint location, or destination location.
After entering the Nearby POI screen, use the location key to select which one of the three locations you want to search for Nearby POIs. The location screen shows a list of all points along your trip. Use the TUNE/SEL knob to select the desired location. Press the Back key to return to the Nearby POI screen.

The selected location will be shown at the bottom of the screen.

Choose a category from the Nearby POI list using the TUNE/SEL knob. Once a category is selected, a list of available POIs will be displayed. The points are listed in order of straight-line distance from the selected location. If the selected location is the current location, an arrow will show the direction of the Nearby POI.

Turn the TUNE/SEL knob to select the desired POI. This point can be added to your trip or replace the current trip. Press the TUNE/SEL knob to calculate a route to the POI. This will also delete any trip that may have been active.

Use the Set Dest key to add this POI to your current trip as your destination without deleting your current trip. This will take you to the Trip Points screen where this POI can be moved to any location in your trip point list.

**Top 1, 2, 3:** The most commonly used categories can be put at the top of the list for easy access. These categories are the only available categories when the vehicle is in motion. To move a category to one of the Top 3 spots, turn the TUNE/SEL knob to the desired category. Then, press the Top 1, Top 2, or Top 3 reconfigurable soft key to move the category to that location.

**Location:** Press this key to select the location from which you want to search for Nearby POIs. Use the TUNE/SEL knob to scroll and select the search area as the current position, current waypoints, or the current destination. Press the Back key to return to the list of POI categories.

**Info (Information):** Press this key to receive further information about the chosen POI, such as the address and phone number. When a Nearby POI is not available within the search area, "No Facility Found in This Area" will be displayed.

From this screen you may also transfer information to your Palm™ hand-held computing device. See “Address Book” under Main Menu on page 1-6 for more information.
Last 10

This feature allows you to select a destination from the last 10 destinations entered. Press the Last 10 key to bring up the list. Turn the TUNE/SEL knob to choose a destination from this list.

While using the Last 10 feature, press the Store PT key to add a location from the Last 10 list to the stored points list. Press the Map key while using the Last 10 feature to go to the map screen and view the location of the point you have chosen.

You can use the Set Dest, Delete, or Calculate reconfigurable soft keys as described earlier for any other destination. See “Enter Destination” listed previously in this section for more information.

Address

This method allows you to enter a destination using the postal address (entering the zip code is not required). It is recommended that you enter the information in the following order: state, city, street name, and address number.

1. To enter the state name, press the State reconfigurable soft key. Use the TUNE/SEL knob to enter the name of the state using the alpha numeric bar. As letters are entered, the system will automatically display a list of matching states. Use the TUNE/SEL knob to scroll and select the desired state.
2. Press the City reconfigurable soft key. Use the TUNE/SEL knob to enter the name of the city where the address is located. Press the List reconfigurable soft key to display a list of cities that match the letters you entered and use the TUNE/SEL knob to select the desired city. Remember to use the same city that you would use when mailing a letter (the postal address city).

3. Use the TUNE/SEL knob to enter the street name. Remember to enter only the street name and not the direction, for example, enter Civic Center Dr, not N. Civic Center Dr. You may press the List reconfigurable soft key at any time to display a list of street names that match the information that you have entered thus far. The system will automatically display a list of matching street names that match the information that you have entered so far. The system will automatically display a list of matching street names once there are only a few matches remaining. Use the TUNE/SEL knob to select the desired street name. If the desired street name is not shown, it is possible that the map DVD does not contain this information. See Database Coverage Explanations on page 2-37.

4. The system will now display the possible address numbers for the street that was selected. Use the TUNE/SEL knob to enter the address number for the address. If the address number does not fall into the address number range shown on the system, it is possible that the map DVD does not contain this information. See Database Coverage Explanations on page 2-37.

5. Press the Calc reconfigurable soft key to calculate a route to this destination. Any current trip will be replaced with the new address you just entered.

6. Press the Map reconfigurable soft key to see a zoomed in map of the address you entered.

7. Press the Set Dest reconfigurable soft key to add the address that you just entered to the current list of waypoints as the last waypoint.
Creating a Trip with Waypoints

Once a destination has been entered, you can also add waypoints. Trip waypoints are destinations you want to arrive at before reaching your final destination. The system will automatically guide you to each waypoint, then on to your final destination. Up to 10 waypoints can be entered for any trip.

To enter a waypoint, press the Trip Points reconfigurable soft key on the Navigation Menu screen. Then, turn the TUNE/SEL knob to scroll the trip points list. A waypoint can be added at any location designated by a blank flag. Press the TUNE/SEL knob to select the location. The system will then allow you to enter a waypoint using the same method as Enter Destination. See “Enter Destination” listed previously in this section for more information.

Once you have entered all desired waypoints for your trip, press the Calculate key. The system will return you to the map and will plan the route to your waypoints and destination.

After the first waypoint, the color of the highlighted route will change. See Colors on the Screen on page 2-34 later in this section for more information.

Editing a Trip

While at the Trip Point screen, press the Edit reconfigurable soft key. This screen allows you to delete or move points in a trip. If you wish to delete a waypoint, scroll to that waypoint and press Delete. You may also change the order of the waypoints by scrolling to a waypoint and pressing Move. Then, turn the TUNE/SEL knob to move it to the desired location within the list. Once the waypoint is at the desired location, press the TUNE/SEL knob or the OK key.

Plan a Route

After a destination has been entered, you must press the Calculate reconfigurable soft key. The system will return you to the map and will plan the route to your selected destination. While the system is planning the route, the Route Option and Cancel keys will be available. The Add Way Pt key will also appear if there are less than 10 waypoints in the current trip.

When your route guidance has been planned, it will be highlighted and a checkered flag will appear on the map to show your destination. Symbols will also appear for any waypoints that have been set, and “Route Calculation Completed” will be displayed.
Traveling on a Planned Route
After a route has been calculated and the route highlighted, you may hear an audio prompt to proceed to the highlighted route. When you are ready, drive the vehicle to the highlighted route. Once you begin driving on the route, the system will give additional audio and visual prompts as you approach your next maneuver. Each maneuver is indicated on the map with a red maneuver pin.

Maneuver pins are red stick pin icons on the map that indicate changes in the road or special action that must be taken by the driver to remain on the currently traveled road. For example, the road may have a sharp curve in it. The curve would not qualify as an official turn on the planned route. However, the driver must be aware of the curve so that he or she can stay on the planned route. Maneuver pins are always displayed along a planned route, but voice prompts and screen popups will only be given if these features are turned on.

As you are traveling, the current road is shown at the bottom center of the map screen. In addition, the next maneuver will be in the upper center of the map screen. Anytime while on the route, you can press the navigation repeat key to get an audio prompt of your next maneuver.

There are two different types of roads in the map database. Fully attributed roads allow for a destination to be set and turn-by-turn guidance to be provided to the exact location of the address. In Process Data (IPD) roads contain only street name and address information. Other information such as turn restrictions and direction of travel is not included for these IPD roads.
Therefore, turn-by-turn guidance cannot be provided to the exact address. When trips are planned that include an IPD destination, turn-by-turn guidance will be provided on the fully attributed roads closest to the destination. When nearing the end of the highlighted route, the system will state “Enroute to your destination, some roads contain incomplete data. Turn guidance will not be provided in this area.” As you reach the end of the highlighted route, the system will state “Turn guidance will not be provided in this area. Please use the direction arrow and distance indicator to proceed to your destination.” You should refer to the direction and distance information in the lower center area of the screen to navigate to the destination or refer to the information in the waypoint box for a waypoint.

A purple highlighted route will appear on the IPD roads. This is only a suggested route due to the lack of traffic restriction information on the IPD roads. Special attention should be paid to the existing traffic conditions, such as one-way streets and prohibited turns on IPD and fully attributed roads. Always follow the existing traffic restrictions in both IPD and fully attributed roads.

Once your vehicle is near your destination, the system will state “You’ve arrived at your destination, ending route guidance.”

### Traveling Across Regions

If you plan a trip that exceeds 5,000 miles (8,046 km) in straight line distance from the vehicle’s current position, you will receive a message stating Destination/waypoint exceeds maximum distance. To avoid this, plan your trip in smaller segments. Select a closer destination that you would like to travel through on your way to your final destination.

### Colors on the Screen

When a route has been planned, it will be highlighted on the screen in blue. If you have set a waypoint(s) for your route, the colors on the screen will change. The highlighted route to the next waypoint or destination will be blue. All highlighted routes to further waypoints or destinations will be maroon.

Different colors are also used to distinguish between interstate freeways, state highways, county roads, major streets and secondary streets. Highways will be shown as a thicker line than a general street will.
OnStar® System
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 “Audio Steering Wheel Controls” and “OnStar® System” in your vehicle’s owner manual 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.
The Global Positioning System (GPS) locates the current position of your vehicle using signals sent by the United States Department of Defense GPS satellites. While your vehicle is receiving signals from these satellites, the GPS symbol will not appear on the map screen.

However, at times, other interferences such as the satellite condition, road configuration, the condition of the vehicle, and/or other circumstances can interfere with the system’s ability to determine the accurate position of the vehicle. This is when the GPS symbol will appear on the map screen.

This system may not be available or interferences may occur if any of the following are true:
• Signals are obstructed by tall buildings, large trucks, or a tunnel.
• Objects are located on the rear shelf.
• Satellites are being repaired or improved.
• After-market glass tinting has been applied to the vehicle’s rear windshield.

Notice: Aftermarket glass tinting with metallic material 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. The repairs would not be covered by your warranty. Do not apply aftermarket glass tinting with metallic material to the rear window of your vehicle.

If you are experiencing a problem, see Vehicle Positioning on page 2-36 or Problems with Route Guidance on page 2-37 for more information.
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 traveling on slippery road surfaces such as sand, gravel, and/or snow.
- The vehicle is being driven on winding roads.
- The vehicle is being driven 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 being driven at high speeds.
- The vehicle is repeating a change of direction by going forward and backward, or turning on a turn table in a parking lot.
- The vehicle is entering and/or exiting a parking lot or garage with a roof.
- The vehicle has a roof carrier, ski, or bike rack installed on it.
- The vehicle has tire chains on it.
- The tires have been replaced.
- The tire pressure is incorrect.
- The tires are worn.
- The battery is disconnected.
- The vehicle is driven in heavy traffic where driving is at low speeds and the vehicle is stopped and started repeatedly.
Problems with Route Guidance

Inappropriate route guidance may occur under any of the following conditions:

• You have not turned onto the road indicated by the system.
• Route guidance is not available for the next turn.
• The route is not changed during automatic rerouting.
• Plural names of places are displayed.
• You are driving at high speeds, which may cause the automatic rerouting to operate more slowly.
• The route prohibits the entry of a vehicle due to a regulation by time or season or any other regulation which may be given.
• A route cannot be found.
• A road is new, was recently changed or is not listed on the DVD. The route to the destination may not be shown. See Ordering Map DVDs on page 2-37.

If the System Needs Service

If you are still experiencing difficulty with your navigation system after reading this information, see your dealer for assistance.

Ordering Map DVDs

The map DVD in your vehicle is the most up-to-date information available when your vehicle was purchased. The map DVD is updated periodically, provided that the map information has changed. To order a new map DVD, contact your dealer.

Database Coverage Explanations

Coverage areas vary with respect to the level of map detail available for any given area. Some areas will feature greater levels of detail than others. If this happens, it does not mean there is a problem with the system. As the map DVD is updated, more detail may become available for areas which previously had limited detail. See Ordering Map DVDs on page 2-37.
Section 3 Navigation Audio System

Navigation Audio System ...........................................3-2
CD/DVD Player ......................................................3-17
Navigation Audio System

The audio system has been designed to operate easily and to 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 (RAP) must be active for your audio system to work. See “Retained Accessory Power (RAP)” in your vehicle’s owner manual for more information.

The audio system is operated using menus located on the Navigation System screen. The audio menus are explained in this section.

Radio Screen

To access the Radio screen, press the BAND button located to the left of the display or choose Radio from the Main Menu. See Main Menu on page 1-6 Main Menu for more information.

The Radio screen will have preset stations listed vertically at the right side of the screen, and the currently selected station frequency will appear in the center of the screen. At the top of the screen the Driver Information Center (DIC) status line will appear. See Driver Information Center (DIC) on page 5-14 for more information.
Directly below the DIC information, you will see the banner with Radio and the currently selected band. For example, Radio FM1 means that the presets for FM1 are displayed at the right of the screen. You will also see either Autostore, Home or Away. This will tell you which set of presets are displayed. See “FM Menu” following in this section and Screen Features on page 1-3 Screen Features for more information.

Near the bottom left of the screen, you will see six horizontal lines. This is for the six-disc CD changer. To the right of the CD changer information is the equalizer, Digital Signal Processing (DSP) and Automatic Volume Compensation (AVC) information. See “Setting the Tone” and “Playing a CD” later in this section for more information.

**AM Menu**

This menu allows you to customize the AM presets. To access the AM Menu you must be in the Radio screen with the AM band active. Pressing the TUNE/SEL knob will bring up the AM Menu.

The following multi-function buttons are available:
- Home P-Sets
- Away P-Sets
- Autostore
- Back

For a description of each item, see “FM Menu” following.

**FM Menu**

This menu allows you to customize the FM presets and RDS presets. To access the FM Menu, you must be on the Radio screen and the FM1 or FM2 band must be active. Press the TUNE/SEL knob once. The following menu will appear:
- Help Prompt
- RDS List
- Seek RDS List
- Region
- Alt Frequency
- Display RDS Messages
- Intrpt Volume
- Display Freq
The following multi-function buttons will also be available:

- Select
- Home P-Sets
- Away P-Sets
- Autostore
- Back

**Help Prompt:** This menu item allows you to display system help information at the bottom center of the screen if you are currently in a submenu. If you are not in a submenu, navigation system route information is displayed. Press the TUNE/SEL knob to switch back and forth between on and off. When this feature is turned on, an X will appear in the box to the left.

**RDS (Radio Data Systems) List:** This menu item allows you to choose the type of radio station programs you listen to by category rather than frequency. Press the TUNE/SEL knob once to access the following menu:

- Adult Hits
- Classic Rock
- Classical
- College
- Country
- Information
- Jazz
- Language
- News
- Nostalgia
- Oldies
- Personality
- Public
- R & B
- Religious Music
- Religious Talk
- Rock
- Soft
- Soft R & B
- Soft Rock
- Sports
- Talk
- Top 40
• Weather
• Set All (selects all categories)
• Clear All (clears all currently selected categories)
• Seek Selected (seeks to currently selected categories)

To select a category, scroll to the menu item by turning the TUNE/SEL knob. Once the category you want is highlighted, press the knob once. When the category is selected, an X will appear in the box to the left. To seek to a station using the selected menu items, see “Seek RDS List” following. For more information on RDS, see “Radio Data Systems (RDS)” under “Audio Systems” in your vehicle’s owner manual.

Seek RDS List: To seek to the selected categories on the RDS list, press the TUNE/SEL knob once when Seek RDS List is highlighted. The radio will immediately begin seeking to an available radio station that matches the categories selected.

Region: This menu item allows you to turn the Region feature on and off. Press the TUNE/SEL knob to switch back and forth between on and off. When this feature is turned on, an X will appear in the box to the left.

Alt (Alternate) Frequency: This menu item allows the radio to automatically switch to a stronger station with the same programming. Press the TUNE/SEL knob to switch back and forth between on and off. When this feature is turned on, an X will appear in the box to the left.

Display RDS Messages: This menu item allows you to see RDS messages broadcast by the currently selected radio station. Press the TUNE/SEL knob to switch back and forth between on and off. When this feature is turned on, an X will appear in the box to the left.

For XM™ (USA only, if equipped), this item will read Show Msg (message). Use the TUNE/SEL knob to turn this feature on and off. If the feature is on, messages will automatically be displayed. If it is off, a Message Available icon will be displayed when a message has been received.

When turned on, any RDS messages broadcast will appear in the bottom center of the screen. If no message is available, this area will be blank. RDS messages only appear on the Radio screen. See “Radio Data Systems (RDS)” in your vehicle’s owner manual for more information.
The RDS message feature is available for the FM bands and for RDS radio stations only. RDS messages will only appear if the Message feature is turned on.

**Intrpt (Interrupt) Volume:** This menu item allows you to set the volume level of the traffic announcements you receive from the system.

To change the current volume level, do the following:

1. Press the TUNE/SEL knob once to access the adjustment bar graph.
2. Turn the knob to increase or decrease the volume level.
3. Once you reach the volume level you want, press the knob once to set your selection.

**Display Freq (Frequency):** This menu item allows you to display the frequency of the currently selected RDS radio station under the station name. Press the TUNE/SEL knob to switch back and forth between on and off. When this feature is on, and X will appear in the box to the left.

**Select:** Press this multi-function button to choose a highlighted menu item from the FM Menu.

**Home Presets:** This multi-function button allows you to display your home, or local, radio station presets. Press the multi-function button next to Home P-Sets, and the preset stations at the right of the screen will change to your local presets. Home will appear on the screen near the current station frequency. To store preset radio stations, see “Setting Preset Stations” listed later in this section.

**Away Presets:** This multi-function button allows you to display the preset radio stations for when you are traveling out of town. Press the multi-function button next to Away P-Sets, and the preset stations at the right of the screen will change to the preset stations stored for when you travel. Away will appear on the screen near the current station frequency. To store preset radio stations, see “Setting Preset Stations” listed later in this section.

**Autostore:** This multi-function button allows you to store the six radio stations with the strongest signals as presets. Press the multi-function button next to Autostore to activate this feature. The preset prompts at the right of the screen will update once Autostore is finished. See “Setting Preset Stations” listed later in this section.

**Back:** This multi-function button returns you to the main Radio screen.
XM™ Menu

When XM™ is active, the channel name and number, song title, artist, and category will be displayed on the screen.

To access the XM™ Menu you must be in the Radio screen with the XM1 or XM2 band active. Pressing the TUNE/SEL knob will bring up the XM™ Menu.

This menu allows you to seek or scan for stations based on their category. While in this menu you can turn the TUNE/SEL knob to scroll through the categories and press it to select the category you want to seek to. Use the SEEK/SCAN switch or press the TUNE/SEL knob to seek to the first available channel in the selected category.

XM™ Radio Satellite Service
(USA Only)

XM™ is a continental U.S. based satellite radio service that offers 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-XM XM (9696).
Playing the Radio

The BAND button is located on the left side of the Navigation System screen. Press this button once to access the audio system. You can also access the audio system from the Navigation Main Menu. See Main Menu on page 1-6 Main Menu. Use the following controls to operate the audio system:

PWR/VOL (Power/Volume): Press this knob located to the lower left of the display to turn the Navigation System on and off. Turn the knob to increase or decrease the volume level. You can also adjust the volume level using the steering wheel controls, if equipped. See “Audio Steering Wheel Controls” in your vehicle’s owner manual for more information.

Finding a Station

BAND: After you access the main radio display, press this button repeatedly to scroll through the bands: AM, FM1, FM2, XM1 and XM2 (USA only, if equipped). The one currently selected is shown near the top of the display. For example, Radio FM2 will be displayed when the FM2 screen is selected.

TUNE/SEL (Select): Use this knob located to the lower right of the display to manually tune the radio, access the radio menus and scroll through the menu items. See “FM Menu” listed previously in this section for more information.

SEEK/SCAN: Press the left or right arrow to seek to the previous or next station. The radio will go to the next station with a strong signal only. If you wish to continue seeking, press the arrow again. The volume will mute while seeking.

To scan stations, press and hold the left or right arrow for two seconds until you hear a beep. The radio will go to the next or previous station, play for a few seconds, then go on to the next station. The radio will scan to stations with a strong signal only. The volume will mute while scanning. Press either arrow again to stop scanning.

To scan preset radio stations, press and hold the left or right arrow for more than four seconds. You will hear two beeps and Preset Scan will appear on the screen. The radio will go to the first preset station stored, play for a few seconds, then go on to the next preset station. The radio will scan preset stations with a strong signal only. The volume will mute while scanning. Press the left or right arrow again to stop scanning presets. See “Setting Preset Stations” later in this section for more information.
Setting the Tone

Press the AUDIO button located to the left of the screen to access the Audio screen.

To manually adjust the tone, use the TUNE/SEL knob. The system will begin with Balance. Turn the knob to adjust the level. Once you find the level you want, press the knob once to set it. The system will advance to the right to Fade.

If you do not wish to change the current setting, press the knob repeatedly to advance to the feature you wish to adjust.

Balance: Turn the TUNE/SEL knob to adjust Balance toward Right or Left.
Fade: Turn the TUNE/SEL knob to adjust Fade toward Front or Back.
Bass: Turn the TUNE/SEL knob to increase or decrease Bass.
Mid (Midrange): Turn the TUNE/SEL knob to increase or decrease Midrange.
Treble: Turn the TUNE/SEL knob to increase or decrease Treble.

EQ 1–3 (Equalizer): Once you adjust the bass, midrange and treble, you can save them for future use. You may store up to three customized equalizations.

To store equalizations, do the following:
1. Manually set the levels for Bass, Mid and Treble.
2. Press and hold one of the three equalization buttons.
   You will hear a beep once the equalization is stored successfully.

Equalization settings are unique to each source, and they must be set individually for each source. For example, if you select EQ1 for the CD changer and then switch to a preset radio station, the equalization may not be the same.
You can save an equalization setting for each stored preset radio station. See “Setting Preset Stations” listed later in this section for more information.

DSP (Digital Signal Processing): This feature is only available on the Bose® system. This feature is used to provide a choice of five different listening experiences. DSP can be used while listening to the radio or the CD players.

A description of the five DSP choices follows:

- **Normal**: This setting provides the best overall audio performance for all passengers.
- **Talk**: This setting is used when listening to non-musical material such as news, talk shows and sports broadcasts. Talk makes spoken words sound very clear.
- **Driver Seat**: This setting adjusts the audio to give the driver the best possible sound qualities. Driver Seat can be used at any time for any material.
- **Rear Seat**: This setting adjusts the audio to give the rear seat passengers the best possible sound qualities. Rear Seat can be used at any time for any material.
- **Spacious**: This setting is used to make the listening area seem larger.

To change the current DSP settings, do the following:

1. Press DSP multi-function button to turn DSP on and to access the DSP choices.
2. Continue to press the DSP multi-function button until the desired DSP mode is selected.
3. Press the Back multi-function button to exit the DSP menu.

Your choice will be displayed on the DSP prompt at the right of the screen.

The DSP settings are unique to each source, and they must be set individually for each source. For example, you may have Talk selected for a preset radio station, but if you change to the CD changer, Spacious may be selected.

You can also store separate DSP settings for each preset station. See “Setting Preset Stations” following and “Playing a CD” later in this section for more information.

AVC (Automatic Volume Compensation): This feature is only available on the Bose® system. This feature monitors the noise in the vehicle. Then, AVC automatically adjusts the volume level so that it always sounds the same to you. AVC works best when listening at low volume levels. At louder listening levels there will be little or no effect.

To turn AVC on and off, press the AVC multi-function button.
Setting Preset Stations

The six multi-function buttons next to the display allow you to store your favorite radio stations. You can set up to 30 different preset stations, six per band, AM, FM1, FM2, XM1, and XM2 (USA only, if equipped). The Home and Away presets each have 30 separate presets. For more information on the Home and Away feature, see “FM Menu” listed previously in this section.

To store a radio station as a preset, use the following steps:

1. Select the band where you want the preset stored by pressing the BAND button.
2. Select either the Home or Away presets. See “FM Menu” listed previously in the section for more information on the Home and Away feature.
3. Tune to the desired station using the TUNE/SEL knob or the SEEK/SCAN switch.
4. Choose the equalization and DSP settings you want.
   See “Setting the Tone” listed previously for more information.
5. Press and hold the multi-function button next to the preset you want.
   You will hear a beep when the preset has been stored, and the frequency of the stored station will appear on the preset prompt at the right of the display.
6. Repeat the steps to store other presets.
To select a stored preset station listed on the screen, press the multi-function button next to the station prompt. The station will change, and the new radio station frequency will be displayed in the center of the screen.
### XM™ Radio Messages

<table>
<thead>
<tr>
<th>Radio Display Message</th>
<th>Condition</th>
<th>Action Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>XL (Explicit Language</td>
<td>XL on the radio display, after the channel name, indicates content with explicit language.</td>
<td>These channels, or any others, can be blocked at a customer’s request, by calling 1-800-852-XMXM (9696).</td>
</tr>
<tr>
<td>Channels)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XM Updating</td>
<td>Updating encryption code</td>
<td>The encryption code in your receiver is being updated, and no action is required. This process should take no longer than 30 seconds.</td>
</tr>
<tr>
<td>No XM signal</td>
<td>Loss of signal</td>
<td>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.</td>
</tr>
<tr>
<td>Loading XM</td>
<td>Acquiring channel audio (after 4 second delay)</td>
<td>Your radio system is acquiring and processing audio and text data. No action is needed. This message should disappear shortly.</td>
</tr>
<tr>
<td>Channel Off Air</td>
<td>Channel not in service</td>
<td>This channel is not currently in service. Tune in to another channel.</td>
</tr>
<tr>
<td>Channel Unavail</td>
<td>Channel no longer available</td>
<td>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.</td>
</tr>
<tr>
<td>No Artist Info</td>
<td>Artist Name/Feature not available</td>
<td>No artist information is available at this time on this channel. Your system is working properly.</td>
</tr>
</tbody>
</table>
### XM™ Radio Messages (cont'd)

<table>
<thead>
<tr>
<th>Radio Display Message</th>
<th>Condition</th>
<th>Action Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Title Info</td>
<td>Song/Program Title not available</td>
<td>No song title information is available at this time on this channel. Your system is working properly.</td>
</tr>
<tr>
<td>No CAT Info</td>
<td>Category Name not available</td>
<td>No category information is available at this time on this channel. Your system is working properly.</td>
</tr>
<tr>
<td>Not Found</td>
<td>No channel available for the chosen category</td>
<td>There are no channels available for the category you selected. Your system is working properly.</td>
</tr>
<tr>
<td>No Information</td>
<td>No Text/Informational message available</td>
<td>No text or informational messages are available at this time on this channel. Your system is working properly.</td>
</tr>
<tr>
<td>XM Theftlocked</td>
<td>Theft lock active</td>
<td>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.</td>
</tr>
<tr>
<td>XM Radio ID</td>
<td>Radio ID label (channel 0)</td>
<td>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.</td>
</tr>
<tr>
<td>Unknown</td>
<td>Radio ID not known (should only be if hardware failure)</td>
<td>If you receive this message when you tune to channel 0, you may have a receiver fault. Consult with your dealer.</td>
</tr>
<tr>
<td>Check XM Receiver</td>
<td>Hardware failure</td>
<td>If this message does not clear within a short period of time, your receiver may have a fault. Consult with your retail location.</td>
</tr>
</tbody>
</table>
Playing a CD

You can play a single CD by sliding the CD into the slot located above the audio system screen or by using the six-disc CD changer located below the screen.

The following controls are used for both CD players unless otherwise noted:

**DISC:** Press this button located to the left of the screen to access the CD changer screen. The CD changer will begin playing the currently loaded CD, and you will see the disc and disc number, track and the track number as well as TIME and the amount of time the track has been playing displayed on the screen.

The single CD player screen will be displayed if a music CD is loaded in the player and no CDs are loaded in the CD changer.

If you have a CD text disc and are using the single CD player, any information stored on the CD will appear on the screen. Possible text includes the title of the song, the artist and the title of the CD. Text will not appear on the screen if you are using the CD changer.

**LOAD (Six-Disc CD Changer Only):** Press this button before loading a CD into the CD changer. One beep will sound, and you will be prompted to load the CD.

To load all six CDs at one time, press and hold the LOAD button until two beeps sound. You will then be prompted to load six discs into the CD changer.
Repeat: Press the multi-function button next to the Repeat prompt to turn this feature on.

For the CD changer, the first press of the Repeat multi-function button will turn on Repeat Disc. The CD changer will play the currently selected disc again once the last track has ended. When Repeat Disc is turned on, it will be highlighted on the Repeat prompt at the right of the screen. Press the Repeat multi-function button again to switch to Repeat Track. This feature allows the CD changer to play the currently selected track again once the track has ended. When Repeat Track is turned on, it will be highlighted on the Repeat prompt at the right of the screen. Press the button a third time while using the CD changer to turn off the Repeat feature.

For the CD player, the first press of the Repeat button will turn Repeat Track on. The second press will turn Repeat Track off.

Random: Press the multi-function button next to the Random prompt to turn this feature on.

For the CD changer, the first press of the Random multi-function button will turn on Random Disc. Random Disc allows the CD player to play the discs loaded in the CD changer in random, rather than sequential, order. When Random Disc is turned on, it will be highlighted on the Random prompt at the right of the screen. Press the Random multi-function button again to switch to Random Track. This feature allows the CD changer to play the tracks on the current disc in random, rather than sequential, order. When Random Track is turned on, it will be highlighted on the Random prompt at the right of the screen. Press the button a third time while using the CD changer to turn off the Random feature.

For the CD player, the first press of the Random button will turn Random Track on. The second press will turn Random Track off.

Pause: To pause the playback of a CD, press the TUNE/SEL knob once. Press it again to resume playback.

Forward ➤: Press and hold the multi-function button next to Forward to quickly advance within the current track. As the CD advances, the elapsed time will be displayed to help you find the correct passage.

Reverse ◀: Press and hold the multi-function button next to Reverse to quickly go backward within the current track. As the CD reverses, the elapsed time will be displayed to help you find the correct passage.
Next : Press the multi-function button next to the Next prompt to advance to the next track on the current CD. You can also use the steering wheel controls to change tracks. See “Audio Steering Wheel Controls” in your vehicle’s owner manual.

If you press and hold this button for two or three seconds while in single CD mode, the system will scan the tracks.

If more than one CD is loaded in the CD changer, pressing the Next multi-function button will advance the CD changer to the next loaded CD. If it is the last track on the current CD, the next CD will begin playing at track one.

Previous : Press the multi-function button next to the Previous prompt to skip to the track immediately before the current track on the current CD, if less than eight seconds have played. If the current track has been playing for more than eight seconds, pressing the Previous button will take you to the beginning of the current track. You can also use the steering wheel controls to change tracks. See “Audio Steering Wheel Controls” in your vehicle’s owner manual.

If more than one CD is loaded in the CD changer and you press the Previous multi-function button when less than eight seconds have played, the CD changer will skip to the CD loaded immediately before the current CD. If it has been less than eight seconds, the changer will skip to the beginning of the current CD. The new CD will begin playing at track one.

.seek/scan (Six-Disc CD Changer Only): Use the left or right arrow to skip to the previous or next CD loaded in the CD changer. The new CD will begin playing at track one.

(Eject): Press the button with this symbol on it to eject a CD. There is a separate eject button for each player next to the CD slot. You will hear a beep once the CD is removed from the slot.

If you press the eject button next to the CD changer, the current disc will be ejected and the next one will begin playing. Press and hold the eject button to eject all of the discs loaded in the changer. You will hear a double beep.

BAND: Press this button located to the left of the screen once to switch to the radio while playing a CD. The audio system screen will appear. See “Radio Screen” listed previously for more information.
Loading the CD Changer
You can load up to six CDs in the CD changer. To load discs, use the following steps:

1. Press the LOAD button. You will hear one beep and will be prompted to load the CD. The system will switch to CD and begin playing the disc.
   If you press and hold the LOAD button until two beeps sound, you will be prompted to load all six discs.
2. Slide discs one at a time, label side up, into the slot located below the screen.
   After each one is loaded, you will hear a beep.
   As the CDs are loaded, the horizontal lines located in the lower left of the screen will change colors.
   If a line is gray, it means that no CD is loaded in that slot. If a line is green, it means that a CD is loaded in the slot. The slot with the currently active CD is yellow.

XM™ Satellite Radio Antenna
Your XM™ Satellite Radio antenna is located on the roof of your vehicle. Keep this antenna clear of snow and ice build up for clear radio reception.

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 see the information for “CD Player” under Navigation Audio System on page 3-2.

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.

This feature will not operate unless the vehicle is in PARK (P) for an automatic transmission, or the parking brake is engaged and the vehicle speed is less than 5 mph (8 km/h) for a manual transmission. If these conditions are not met, a message will be displayed on the screen stating that the DVD is not available while driving. The audio will continue to play, the Play/Pause and Stop buttons will work and the voice commands will be available. See Voice Recognition (CTS) on page 4-2.
To remove the Navigation map DVD and load a video DVD, use the following steps:

1. With the ignition on and the vehicle in PARK (P) for an automatic transmission, or the parking brake engaged and the vehicle speed less than 5 mph (8 km/h) for a manual transmission, press and hold the eject button next to the top slot.

2. If a map DVD or a music CD is loaded, the system will eject it. Gently remove it from the slot and return it to its case.

3. Load the video DVD label side up into the slot. The system will pull the DVD into the player.

Once the video DVD is loaded, the system will go to the main menu on most discs.

Playing a DVD

Once the disc is loaded press the first multi-function button to start play.

While a movie is playing, if the disc allows, you can use the SEEK/SCAN switch to move to the next or previous chapter on the disc. When the TUNE/SEL knob is turned clockwise the disc will fast forward. The farther the knob is turned the quicker the disc will advance. When the knob is turned counterclockwise, the first four detents will play the disc in slow motion.

As the knob is turned farther counterclockwise the disc will begin reversing. The farther the knob is turned the quicker the disc will reverse.

To resume normal play, press the first multi-function button.

DVD Menus

Each DVD has its own main menu. To display the DVDs main menu, press the TUNE/SEL knob.

Press one of the top four multi-function buttons to bring up the on-screen display. The following multi-function buttons will be available while a DVD is playing:

- **Play/Pause:** Pressing this button will pause a disc if it is playing or start play if the disc is paused.
- **Stop:** Pressing this button will stop the disc.
- **Display Format:** This will change the display format between Full (image stretched horizontally to fill the screen), Cinema (image is stretched on the outside edges), Zoom (image is enlarged, this may cut off information on the top/bottom/sides of the screen) and Normal.
Function Menu: Pressing this button activates the function menu which includes the following choices:

- Multi-function Button 1: Turns off the function menu and pauses the disc.
- Multi-function Button 2: Stops the disc.
- Multi-function Button 3: Display format.
- Multi-function Button 4: Turns off the function menu display.

While the function menu is active the timer is displayed on top along with the chapter and title number. The SEEK/SCAN switch is used to change the highlighted item in the bottom display.

- The bottom display shows the camera angle, if available. Turn the TUNE/SEL knob to choose the camera angle number.
- The bottom display also includes the subtitle language select. Turn the TUNE/SEL knob to choose the language.

The next item allows you to turn the subtitles on and off. Turn the TUNE/SEL knob to toggle between on and off.

The last item on the bottom display is the audio track selection. This allows you to choose to hear the DVD in different languages or listen to commentary. The choices available are dependant on the DVD itself. Turn the TUNE/SEL knob to choose the track.

Stopping and Ejecting a DVD

To stop a DVD from playing press the second multi-function button. While the disc is stopped you can press the first multi-function button to start the disc again.

Also while the disc is stopped, you can turn the TUNE/SEL knob to activate the title select function. Turn the TUNE/SEL knob and then press the SEEK/SCAN switch to enter the title number. When the number you want is displayed, press the TUNE/SEL knob. If the disc supports this feature, it will begin play at that title number.

Press the eject button next to the top slot to eject the DVD. The system will switch to radio mode.
Section 4  Voice Recognition

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Voice Recognition

Voice Recognition (CTS)

If your vehicle is equipped with this feature, the navigation system's voice recognition allows for hands-free operation of navigation and audio system features. Voice recognition can be used when the ignition is on or when Retained Accessory Power (RAP) is active.

To use navigation voice recognition, do the following:

1. Press the talk symbol steering wheel control and release it when you hear a beep. The audio system, if on, will mute.

2. Clearly state one of the commands listed on the following pages. When the system recognizes the command, it will either perform the function or issue an error message, such as "invalid command" or "command not recognized."

The invalid command message indicates that the command cannot be used in the currently active screen. For example, if you say “Next Track” while listening to the radio, you will receive the invalid command message because the command is for the DVD player or CD changer, not the radio.

If you experience difficulty with the system recognizing a command, try saying it more softly.

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.

Universal Commands

These commands can be said from any screen. The system will respond accordingly.

What Can I Say?: This command instructs the system to respond with a list of verbal commands available to you. The list of commands will vary depending on which screen is currently active.
Acknowledgment/OK: This command instructs the system to clear a Driver Information Center (DIC) warning message from the screen when displayed. See “DIC Warnings and Messages” in Section 3 of your vehicle’s owner manual for more information.

Radio: This command instructs the system to display the Radio screen. Once the screen is displayed, you can use other radio commands. See “Radio Commands” later in this section for more information.

Audio Mode: This command instructs the system to display the Audio screen. See “Setting the Tone” under Navigation Audio System on page 3-2 for more information.

CD Player: This command instructs the system to display the CD player screen. Once the screen is displayed, you can use other CD player commands. See “CD Commands” later in this section for more information.

CD Changer: This command instructs the system to display the CD changer screen. Once the screen is displayed, you can use other CD changer commands. See “CD Commands” listed later in this section for more information.

DVD: This command instructs the system to display the DVD player screen. Once the screen is displayed, you can use other DVD commands. See “DVD Commands” later in this section for more information.

Navigation: This command instructs the system to display the navigation startup screen. This screen will only be displayed the first time navigation is accessed. Once the navigation system is active, you can use other navigation commands. See “Navigation Commands” later in this section for more information.

Setup: This command instructs the system to display the Setup menu. See Setup Menu on page 2-7.

Main Menu: This command instructs the system to display the Main Menu screen. Once the screen is displayed, you can use other Main Menu commands.

Information: This command instructs the system to display the Vehicle Information menu. See Driver Information Center (DIC) on page 5-15 for more information.

Voice Memo: This command instructs the system to display the Voice Memo screen. Once the screen is displayed, you can use other Voice Memo commands. See “Voice Memo Commands” later in this section for more information.
**Address Book:** This command instructs the system to display the Address Book screen. Once the screen is displayed, you must operate the system manually. See *Main Menu on page 1-6*.

**Mute, Unmute:** The Mute command instructs the system to turn off all sound. The Unmute command will return the sound to its previous level.

**DSP Off:** This command instructs the system to turn off DSP for the current audio source.

**DSP Talk:** This command instructs the system to change the DSP to Talk for the current audio source.

**DSP Driver Seat:** This command instructs the system to change the DSP to Driver Seat for the current audio source.

**DSP Rear Seat:** This command instructs the system to change the DSP to Rear Seat for the current audio source.

**DSP Spacious:** This command instructs the system to change the DSP to Spacious for the current audio source.

**Set Day:** This command instructs the system to change the screen appearance to Day mode.

**Set Night:** This command instructs the system to change the screen appearance to Night mode.

**Set Day/Night Auto:** This command instructs the system to change the screen appearance to Auto mode.

**Set Units English:** This command instructs the system to set measurement units to feet/miles.

**Set Units Metric:** This command instructs the system to set measurement units to meters/kilometers.

**Set Units Imperial:** This command instructs the system to set measurement units to yards/miles.

**Load Disc:** This command instructs the system that you will be loading a CD into the CD changer.

**Load All:** This command instructs the system that you will be loading six CDs into the CD changer.

**Eject Disc:** This command instructs the system to eject the currently active CD from the CD changer.

**Radio Commands**

**AM:** This command instructs the system to change the audio source to AM.

**FM1:** This command instructs the system to change the audio source to FM1.
FM2: This command instructs the system to change the audio source to FM2.

XM1: This command instructs the system to change the audio source to XM1.

XM2: This command instructs the system to change the audio source to XM2.

RDS Message On, RDS Display Message On: This command instructs the system to turn on the RDS Message feature.

RDS Message Off, RDS Display Message Off: This command instructs the system to turn off the RDS Message feature.

RDS Traffic On: This command instructs the system to turn on the RDS traffic feature.

RDS Traffic Off: This command instructs the system to turn off the RDS traffic feature.

RDS Alternate Frequency On: This command instructs the system to turn on the RDS alternate frequency feature.

RDS Alternate Frequency Off: This command instructs the system to turn off the RDS alternate frequency feature.

Radio Tune: This command instructs the system to change the current radio station by saying the command and then the frequency of the radio station. For example, if you say “radio tune ninety four point seven,” the station will switch to 94.7 FM. If you are changing the station for the AM band, say “radio tune ten seventy” for 1070 instead of “one zero seven zero.” If the station frequency has two or three zeros, such as 600 or 1000 AM, say “radio tune six hundred” or “radio tune one thousand.” The exception is a station frequency that includes a zero between other numbers. In this case, say “oh” instead of zero as in “radio tune one oh seven point nine” for frequency 107.9 FM. This feature does not work with XM™.

Seek Up, Seek Down: These commands instruct the system to seek up or down to the next or previous station and stay there.

Scan Up, Scan Down: These commands instruct the system to preview stations either forward or backward. To stop this feature, say “Scan” again.

Preset X: This command instructs the system to change the current radio station to one of the preset stations on the active audio source.

To use this command, you must know the number of the preset you wish to hear. For example, if you want to hear the station saved to preset three, say “preset three.”
CD Commands

CD Player: This command instructs the system to display the CD player screen. If a music CD is loaded, it will begin playing.

CD Changer: This command instructs the system to display the CD changer screen.

Pause: This command instructs the system to stop play on a CD.

Play: This command instructs the system to resume play of a CD.

Play Track X: This command instructs the system to play a specific track. To use this command, you must know the number of the track you wish to hear. For example, if you want to hear the second track on the current CD, say “play track two.”

Next Track: This command instructs the system to advance the current CD to the next track.

Previous Track: This command instructs the system to go to the previous track or re-start the current track.

Next Disc: This command instructs the CD changer to advance the CD changer to the next CD loaded.

Previous Disc: This command instructs the system to go back to the previous disc.

Disc X: This command instructs the CD changer to play a specific CD. To use this command, you must know the number of the CD you wish to hear. For example, if you want to hear the CD loaded in slot two, say “disc two.”

Random Track On: This command instructs the CD changer to play the tracks on the current CD in random, rather than sequential, order.

Random Track and Disc On: This command instructs the CD changer to play the tracks on the current CD in random, rather than sequential, order. Once the current CD is finished, the next CD to play will be chosen randomly.

Random Off: This command instructs the system to turn off random play.

Repeat Track On: This command instructs the system to play the currently selected track again.

Repeat Disc On: This command instructs the CD changer to play the current CD again once all the tracks have played.

Repeat Off: This command instructs the system to turn off the repeat feature.
**DVD Commands**

**Play:** This command instructs the system to play a DVD from the disc menu screen or if the movie has been stopped or paused.

**Pause:** This command instructs the system to pause a DVD.

**Next Track:** This command instructs the system to advance to the next chapter on a DVD.

**Previous Track:** This command instructs the system to reverse to the previous chapter on a DVD or to re-start the current chapter if it has been less than five seconds since the current chapter started.

**Eject Disc:** This command instructs the system to eject the DVD.

**Voice Memo Commands**

The following are verbal commands that can be used when the Voice Memo screen is active.

**Memo Play:** This command instructs the system to play the memo currently highlighted on the screen.

**Memo Play X:** This command instructs the system to play a memo saved to a specific location that is not the memo currently highlighted on the screen. To use this command, you must know the location of the memo you wish to hear. For example, if you want to hear the memo saved to location three, say “memo play three.”

**Memo Stop:** This command instructs the system to stop playback of a memo.

**Memo Record:** This command instructs the system to begin recording a memo.

**Memo Append:** This command instructs the system to add to the memo currently highlighted on the screen.

**Memo Append X:** This command instructs the system to add to a previously recorded memo that is not the memo currently highlighted on the screen. To use this command, you must know the location of the previously recorded memo to which you want to add information. For example, if you want to add to the memo stored in location two, say “memo append two.”

**Memo Delete:** This command instructs the system to delete the memo currently highlighted on the screen.
**Memo Delete X:** This command instructs the system to delete a previously recorded memo saved to a specific location. To use this command, you must know the location of the memo that you want to delete. For example, if you want to delete the memo saved in location one, say “memo delete one.”

**Yes:** This command confirms choices made while using the Voice Memo screen.

**No:** This command cancels choices made while using the Voice Memo screen.

**Navigation Commands**

**North Up:** This command instructs the system to switch from the current map view to North Up.

**Heading Up:** This command instructs the system to switch from the current map view to Heading Up.

**Bird View:** This command instructs the system to switch from the current map view to the bird view.

**Split View:** This command instructs the system to switch from the current map view to a regular view of the map with a pop-up view of upcoming turns.

**Single Screen:** This command instructs the system to switch back from the split view screen to the regular map view.

**Zoom In:** This command instructs the system to provide a closer scale view of the current map.

**Zoom Out:** This command instructs the system to provide a larger scale view of the current map.
Vehicle Customization

Personalization

Your vehicle is equipped with personalization that allows you to program certain features to a preferred setting for up to two people. The number of programmable features varies depending upon which model of the vehicle is purchased.

On all vehicles, features such as climate control settings, radio preset settings, exterior lighting at unlock, remote lock and unlock confirmation, and automatic door locks have already been programmed for your convenience.

Some vehicles are equipped with additional features that can be programmed including the seat and outside rearview mirror position. The navigation system screen preferences will remain at the last set position.

If your vehicle is equipped with the ability to program additional personalization features, the driver’s preferences are recalled by pressing the unlock button on the remote keyless entry transmitter, 1 or 2, or by pressing the appropriate memory button, 1 or 2, located on the driver’s door. Certain features can be programmed not to recall until the key is placed in the ignition. To change feature preferences you must use one of the following procedures.

Entering the Personalization Menu

To enter the feature programming mode, do the following:

1. Turn the ignition on without the engine running. Make sure an automatic transmission is in PARK (P) or a manual transmission has the parking brake set.
2. If your vehicle has memory settings, press the appropriate memory button, 1 or 2, located on the driver’s door armrest. The DIC display will show either Driver 1 or 2 depending on which button was selected.
3. Press the power/volume knob to turn on the navigation and audio systems.
4. Press the MAIN hard key to access the DIC main menu.
5. Press the reconfigurable key next to Feat Prog to access the Feature Programming menu.
6. Press the TUNE/SEL knob to turn on the Personalization features. An X will appear in the box to the left when Personalization is turned on.
Personalization Features

The following choices are available for programming:

Personalization Name

This feature allows you to type in a name that will appear on the DIC display whenever the corresponding remote keyless entry transmitter is used or one of the buttons on the driver's door armrest (1 or 2) is pressed.

If a customized name is not programmed, the system will show Driver 1 or Driver 2 to correspond with the numbers on the back of the remote keyless entry transmitters.

To program a name, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Turn the TUNE/SEL knob until Personalization Name is highlighted. Press the knob once to access the Edit Name screen.
3. Use the alpha-numeric keypad at the bottom of the screen. Turn the TUNE/SEL knob to scroll through the available letters, numbers and symbols. Press the knob to select the highlighted character.

As each character is selected, it will appear on the screen and the system will advance one character to the right. If you make a mistake, press the Backspace reconfigurable key to erase the last character entered. You can then re-enter another character. If you want to completely erase the entire name, press the Delete reconfigurable key.

If you prefer lower case letters, press the Lower reconfigurable key. The reconfigurable key will then change to Upper. Press the Upper reconfigurable key to change the letters back to upper case.

4. Repeat Step 3 until the name entry is complete. You can enter up to 26 characters.
5. Press the OK reconfigurable key when the name is complete to save it.

The name you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.
Recall Driving Positions

If your vehicle has the optional memory package, you will have this feature. When this feature is turned on, you can recall any previously programmed seat and mirror controls when the unlock button on the remote keyless entry transmitter is pressed. The following modes are available for selection:

Mode 1: ON
Mode 2: OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 2. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Remote Keyless Options to highlight it.
3. Press the TUNE/SEL knob to view the modes.
4. Scroll to Recall Driving Positions and press the knob once to select it.

When the mode is turned on, an X will appear in the box to the left.

This feature cannot be selected if Remote Exit Recall or Key In Recall Memory is selected. If either of these was previously selected, you must first de-select it in order to be able to select Remote Recall Memory/Recall Driving Positions.

The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

Remote Exit Recall

If your vehicle has the optional memory package, you will have this feature. When this feature is turned on, you can recall any previously programmed exit position for the driver’s seat when the unlock button on the remote keyless entry transmitter is pressed. The following modes are available for selection:

Mode 1: ON
Mode 2: OFF
Before your vehicle was shipped from the factory, it was programmed to Mode 2. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Remote Keyless Options to highlight it.
3. Press the TUNE/SEL knob to view the modes.
4. Scroll to Remote Exit Recall and press the knob once to select it.
   When the mode is turned on, an X will appear in the box to the left.

This feature cannot be selected if Remote Recall Memory/Recall Driving Positions is selected. If it was previously selected, you must first de-select it in order to be able to select Remote Exit Recall.

The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

Key in Recall Memory

If your vehicle has the optional memory package, you will have this feature. When this feature is turned on, you can recall any previously programmed seat and mirror positions when the key is inserted into the ignition. The following modes are available for selection:

Mode 1: ON
Mode 2: OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 2. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Remote Keyless Options to highlight it.
3. Press the TUNE/SEL knob to view the modes.
4. Scroll to Key In Recall Memory and press the knob once to select it.
   When the mode is turned on, an X will appear in the box to the left.

This feature cannot be selected if Remote Recall Memory/Recall Driving Positions is selected. If it was previously selected, you must first de-select it in order to be able to select Key In Recall Memory.
The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

**Auto Exit Seat**

If your vehicle has the optional memory package, you will have this feature. When this feature is turned on, you can recall any previously programmed exit position for the driver’s seat when the key is removed from the ignition and the driver’s door is opened. The following modes are available for selection:

*Mode 1:* ON

*Mode 2:* OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 2. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Auto Exit Seat using the TUNE/SEL knob to highlight it.
3. Press the TUNE/SEL knob to switch back and forth between on and off.

When the mode is turned on, an X will appear in the box to the left.

The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

**Twilight Delay**

This feature allows you to set the amount of time you want the exterior lamps to remain on after you exit the vehicle. The following modes are available for selection:

*Mode 1:* 0:00 seconds

*Mode 2:* 0:15 seconds

*Mode 3:* 0:30 seconds

*Mode 4:* 1:00 minute

*Mode 5:* 1:30 minutes

*Mode 6:* 2:00 minutes

*Mode 7:* 2:30 minutes

*Mode 8:* 3:00 minutes
Lights Flash at Unlock

This feature flashes the exterior lamps when the remote keyless entry transmitter is used to unlock the vehicle. The lamps will flash for approximately 20 seconds unless a door is opened, the ignition is turned to ACCESSORY, ON or START or the remote keyless entry transmitter is used to lock the vehicle. The following modes are available for selection:

**Mode 1: ON**

**Mode 2: OFF**

Before your vehicle was shipped from the factory, it was programmed to Mode 1. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Remote Keyless Options to highlight it.
3. Press the TUNE/SEL knob to view the modes.
4. Scroll to Lights Flash At Unlock and press the knob once to select it.

When the mode is turned on, an X will appear in the box to the left.

If you choose Mode 1, the exterior lamps will not illuminate when you exit the vehicle. Only one mode can be selected at a time.

Press the Back reconfigurable key to exit the Twilight Delay menu and return to the Personalization menu.

The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.
The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

Lights Flash at Lock
This feature allows the exterior lamps to flash once when the remote keyless entry transmitter is used to lock the vehicle. All doors must be closed for this feature to work, and the lamps will not flash if the parking lamps or headlamps are on. The following modes are available for selection:

Mode 1: ON
Mode 2: OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 1. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:
1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Remote Keyless Options to highlight it.
3. Press the TUNE/SEL knob to view the modes.
4. Scroll to Lights Flash At Lock and press the knob once to select it.
   When the mode is turned on, an X will appear in the box to the left.

You can select this feature by itself, or you can combine it with Horn Sounds At Lock so that both the lights flash and the horn chirps when you lock your vehicle.

The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

Horn Sounds at Lock
This feature sounds the horn once when the remote keyless entry transmitter is used to lock the vehicle. All doors must be closed for this feature to work. The following modes are available for selection:

Mode 1: ON
Mode 2: OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 2. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:
1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Remote Keyless Options to highlight it.
3. Press the TUNE/SEL knob to view the modes.
4. Scroll to Horn Sounds At Lock and press the knob once to select it.
   When the mode is turned on, an X will appear in the box to the left.
If you select this feature to be on, Lights Flash At Lock will also be on. You can choose Lights Flash At Lock by itself, but Horn Sounds At Lock will always have Lights Flash At Lock enabled when it is selected.
The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

**Exterior Lights at Unlock**

This feature turns on the exterior lamps when the remote keyless entry transmitter is used to unlock the vehicle. The lamps will remain on for about 20 seconds unless a door is opened, the ignition is turned to ACCESSORY, ON or START or the remote keyless entry transmitter is used to lock the vehicle. The following modes are available for selection:

**Mode 1:** ON

**Mode 2:** OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 1. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Remote Keyless Options to highlight it.
3. Press the TUNE/SEL knob to view the modes.
4. Scroll to Exterior Lights At Unlock and press the knob once to select it.
   When the mode is turned on, an X will appear in the box to the left.
The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.
Driver Unlock in Park
(Automatic Transmission)

The feature allows the driver's door to automatically unlock when the transmission is shifted into PARK (P). The following modes are available for selection:

Mode 1: ON
Mode 2: OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 2. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Door Lock Options to highlight it.
3. Press the TUNE/SEL knob to view the modes.
4. Scroll to Driver Unlock In Park and press the knob once to select it.

When the mode is turned on, an X will appear in the box to the left.

This feature cannot be selected if Driver Unlock Key Out/Off, Doors Unlock Key Out/Off or Doors Unlock in Park is selected. If any of these was previously selected, you must first de-select it in order to be able to select Driver Unlock in Park.

The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

Driver Unlock Key Out/Off

This feature allows the driver's door to automatically unlock when the key is removed from the ignition on automatic transmission vehicles or when the ignition is turned to OFF for manual transmission vehicles. The following modes are available for selection:

Mode 1: ON
Mode 2: OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 2. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Door Lock Options to highlight it.
3. Press the TUNE/SEL knob to view the modes.

4. Scroll to Driver Unlock Key Out/Off and press the knob once to select it.
   When the mode is turned on, an X will appear in the box to the left.

If you select Mode 1, Doors Lock in Gear (automatic transmission) or Automatic Door Lock (manual transmission) will be turned on automatically.

This feature cannot be selected if Driver Unlock in Park (automatic transmission), Doors Unlock in Park (automatic transmission) or Doors Unlock Key Out/Off is selected. If any of these was previously selected, you must first de-select it in order to be able to select Driver Unlock Key Out/Off.

The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

**Doors Unlock in Park**  
**Automatic Transmission**

The feature allows the doors to automatically unlock when the transmission is shifted into PARK (P).

The following modes are available for selection:

- **Mode 1**: ON
- **Mode 2**: OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 2. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Door Lock Options to highlight it.
3. Press the TUNE/SEL knob to view the modes.
4. Scroll to Doors Lock In Park and press the knob once to select it.
   When a mode is turned on, an X will appear in the box to the left.

This feature cannot be selected if Doors Unlock Key Out/Off, Driver Unlock Key Out/Off or Driver Unlock in Park (automatic transmission) is selected. If any of these was previously selected, you must first de-select it in order to be able to select Doors Unlock in Park.
The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

**Doors Unlock Key Out/Off**
This feature allows the doors to automatically unlock when the key is removed from the ignition on automatic transmission vehicles or when the ignition is turned to OFF on manual transmission vehicles. The following modes are available for selection:

**Mode 1:** ON  
**Mode 2:** OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 2. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:
1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Door Lock Options to highlight it.
3. Press the TUNE/SEL knob to view the modes.
4. Scroll to Doors Unlock Key Out/Off and press the knob once to select it.

When a mode is turned on, an X will appear in the box to the left.

If you select Mode 1, Doors Lock in Gear (automatic transmission) or Automatic Door Lock (manual transmission) will be turned on automatically.

This feature cannot be selected if Doors Unlock in Park (automatic transmission), Driver Unlock in Park (automatic transmission) or Driver Unlock Key Out/Off is selected. If any of these was previously selected, you must first de-select it in order to be able to select Doors Unlock Key Out/Off.

The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

**Delayed Locking**
This feature delays the locking of the vehicle’s doors for up to five seconds after a power door lock switch or the lock button on the remote keyless entry transmitter is pressed. The five second delay occurs after the last door is closed. The following modes are available for selection:

**Mode 1:** ON  
**Mode 2:** OFF
Before your vehicle was shipped from the factory, it was programmed to Mode 1. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Delayed Locking using the TUNE/SEL knob to highlight it.
3. Press the TUNE/SEL knob to switch back and forth between on and off. When the mode is turned on, an X will appear in the box to the left.

The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

**Lock Passenger Window**

This feature allows you to disable either all the passenger window switches or the rear passenger window switches only. If this feature is turned on, all passenger window switches will be disabled when the window lockout button is pressed. If the feature is off, only the rear passenger window switches will be disabled. The following modes are available for selection:

**Mode 1:** ON

**Mode 2:** OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 2. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Lock Passenger Window using the TUNE/SEL knob to highlight it.
3. Press the TUNE/SEL knob to switch back and forth between on and off. When the mode is turned on, an X will appear in the box to the left.

The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.
Mirror to Curb in Reverse

If your vehicle has the optional memory package, you will have this feature. When this feature is turned on, the passenger’s outside rearview mirror will move downward so you can view the curb when the shift lever is shifted into REVERSE (R). The mirror will return to the last known driving position when the shift lever is moved out of REVERSE (R). The following modes are available for selection:

**Mode 1:** ON

**Mode 2:** OFF

Before your vehicle was shipped from the factory, it was programmed to Mode 2. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Mirror to Curb in Reverse using the TUNE/SEL knob to highlight it.
3. Press the TUNE/SEL knob to switch back and forth between on and off.

When the mode is turned on, an X will appear in the box to the left.

Enhanced Chime Volume

This feature allows you to adjust the volume level of the vehicle’s warning chimes. The chime volume cannot be turned off, only adjusted. The following modes are available for selection:

**Mode 1:** NORMAL

**Mode 2:** LOUD

Before your vehicle was shipped from the factory, it was programmed to Mode 1. The mode to which the vehicle was programmed may have been changed since it left the factory. To program the vehicle to a different mode, do the following:

1. Enter the Personalization menu following the instructions listed previously.
2. Scroll to Enhanced Chime Volume using the TUNE/SEL knob to highlight it.
3. Press the TUNE/SEL knob to switch back and forth between the normal and loud settings.

You will hear a chime as an example of the volume level chosen.
The mode you selected is now set. You can either exit the programming mode by following the instructions later in this section or program the next feature available on your vehicle.

**Exiting the Personalization Menu**

To exit the personalization portion of the SETUP menu, press the reconfigurable key next to the Back prompt once you’ve finished making your selections. You will return to the Main Menu.

**Driver Information Center (DIC)**

The DIC gives you the status of many of your vehicle’s systems. It is also used to display driver personalization features and warning/status messages. All messages will appear on the navigation screen.

**System Controls**

To operate the DIC, use the following:

**INFO (Information):** Use this button to access the Vehicle Information menu that provides the status of various vehicle systems. See “Vehicle Information Menu” later in this section for more information.

**TUNE/SEL (Tune/Select Knob):** Once a menu is displayed, use this knob to scroll through the menu items and/or select them. To scroll through the menu items, turn the knob. Once an item is highlighted, press the knob once to select it.

Press the buttons to the right of the navigation screen when they are next to a menu item or a prompt to select the menu item or acknowledge the prompt. See “Status Menu Item Descriptions” following in this section for more information.

**Status of Vehicle Systems**

You can view the status of several vehicle systems using the DIC.

**Vehicle Information Menu**

To access the Vehicle Info menu, press the INFO button to the left of the navigation screen. You can also access this menu through the Setup menu. See “Setup Menu” in the Index of your vehicle’s owner manual.
The following menu will appear when Vehicle Info is selected:

- Outside Air Temperature
- Trip Odometer A*
- Trip Odometer B*
- Fuel Range
- Average Fuel Economy*
- Instantaneous Fuel Economy
- Fuel Used*
- Average Vehicle Speed*
- Timer*
- Battery Voltage
- Engine Oil Life*
- Transmission Fluid Life* (Automatic Transmission Only)
- Blank Display

* These items can be reset. Each one must be reset individually. For a detailed description of the menu items and how to reset them, see “Vehicle Information Menu Item Descriptions” following.

You can view any of these menu items at any time by selecting them using the TUNE/SEL knob. The currently selected item is displayed at the top of the screen. Only one item can be displayed at a time.

Vehicle Information Menu Item Descriptions

Outside Air Temperature: If you select this item, the current outside temperature is displayed at the top of the screen. It will be in either degrees Fahrenheit or degrees Celsius depending upon whether the system is set for English or metric units.

Trip Odometer A and B: To access the trip odometer do the following:

1. Press the INFO button located on the left side of the screen to access the Vehicle Information menu.
2. Scroll through the menu using the TUNE/SEL knob located to the lower right of the screen until you reach Trip Odometer A or Trip Odometer B.
3. Select the menu item by pressing the TUNE/SEL knob once. The selected trip odometer (A or B) will be displayed at the top of the screen with the accumulated mileage.
4. Repeat the steps to view the other trip odometer.
You can reset the selected trip odometer by pressing multi-function button next to Reset in the upper right corner of the screen. The mileage for that trip odometer will return to zero. Each trip odometer must be reset individually.

**Fuel Range:** If you select this item, the approximate number of remaining miles or kilometers you can drive without refueling is displayed. This estimate is based on the current driving conditions and will change if the driving conditions change. For example, if you are driving in traffic making frequent stops, the display may read one number, but if you enter the freeway, the number may change even though you still have the same amount of gas in the gas tank. This is because different driving conditions produce different fuel economies. Generally, freeway driving produces better fuel economy than city driving.

If your vehicle is low on fuel, the Low Fuel Level message will be displayed. See “DIC Warnings and Messages” later in this section for more information.

**Average Fuel Economy:** If you select this item, the approximate average miles per gallon (mpg) or liters per 100 kilometers (L/100 km) is displayed. This number is calculated based on the number of mpg (L/100 km) recorded since the last time this menu item was reset.

To reset the Average Fuel Economy, press and hold the reconfigurable key that corresponds to the Reset prompt in the upper right of the display. The display will return to zero.

**Instantaneous Fuel Economy:** If you select this item, the current fuel economy is displayed. This number reflects only the fuel economy that the vehicle has right now and will change frequently as driving conditions change. Unlike average fuel economy, this menu item cannot be reset.

**Fuel Used:** If you select this item, the number of gallons or liters of fuel used since the last reset of this menu item is displayed.

To reset Fuel Used, press and hold the reconfigurable key that corresponds to the Reset prompt in the upper right of the display. The display will return to zero.

**Average Vehicle Speed:** If you select this item, the average speed of the vehicle is displayed in miles per hour (mph) or kilometers per hour (km/h). This average is calculated based on the various vehicle speeds recorded since the last reset of this menu item.

To reset the Average Vehicle Speed, press and hold the reconfigurable key that corresponds to the Reset prompt in the upper right of the display. The display will return to zero.
Timer: If you select this item, a timing feature is displayed. The timer functions like a stopwatch in that you can record the time it takes to travel from one point to another.

To use the timer, you must first turn it on. To turn on the timer, press the reconfigurable key next to the On/Off menu item in the upper right of the display. The display for both systems will read 00:00:00 TIMER ON and begin counting.

Press the key(s) again to turn the timer off. When the timer is off, the display will show the timer value and TIMER OFF. The timing feature will stop.

To reset the timer, press and hold the reconfigurable key next to the Reset prompt in the upper right of the display. The display will return to zero.

Battery Voltage: If you select this item, the current battery voltage is displayed. If the voltage is in the normal range, the display will have OK after it. For example, the display may read 13.2 Battery Volts OK.

If there is a problem with the battery charging system, there are four possible DIC messages that may be displayed. See “DIC Warnings and Messages” later in this section for more information.

Engine Oil Life: If you select this item, the percentage of remaining oil life is displayed. If you see 99% Oil Life on the display, that means that 99% of the current oil life remains.

When the oil life is depleted, the Change Engine Oil message will appear on the display. In addition to the Engine Oil Life System monitoring the oil life, additional maintenance is recommended in the Maintenance Schedule. See “DIC Warnings and Messages” later in this section and “Maintenance Schedule” in your vehicle’s owner manual.

When you reset the Change Engine Oil message by clearing it from the display, you still must reset the engine oil life monitor separately.

To reset the oil life indicator, use the following steps:

1. Turn the system on by pressing the PWR/VOL knob once. The PWR/VOL knob is located to the lower left of the DIC display.
2. Press the INFO button located to the left of the display to access the Vehicle Info (Information) menu.
3. Turn the TUNE/SEL knob located to the lower right of the display until Engine Oil Life is highlighted. Press the knob once to select it.
4. Once XXX% Engine Oil Life is displayed, press the multi-function button next to the Reset prompt in the upper right corner of the display.
   The percentage will return to 100, and the oil life indicator will be reset. Repeat the steps if the percentage does not return to 100.

5. Turn the key to OFF.

If the change engine oil message comes back on when you start your vehicle, the engine oil life system has not reset. Repeat the procedure.

**Transmission Fluid Life (Automatic Transmission):**
If you select this item, the percentage of remaining transmission fluid life is displayed. If you see 99% Trans Fluid Life on the display, that means that 99% of the current transmission fluid life remains.

When the transmission fluid life is depleted, the Change Transmission Fluid message will appear on the display. You should change the transmission fluid as soon as possible within 200 miles (322 km). Be sure to keep a written record of the mileage and date of the fluid change so you will have it for future reference.

When you reset the Change Transmission Fluid message by clearing it from the display, you still must reset the transmission fluid life monitor separately.

To reset the transmission fluid life indicator, use the following steps:

1. Turn the system on by pressing the PWR/VOL knob once. The PWR/VOL knob is located to the lower left of the DIC display.

2. Press the INFO button located to the left of the DIC display to access the Vehicle Info (Information) menu.

3. Turn the TUNE/SEL knob located to the lower right of the DIC display until Trans Fluid Life is highlighted. Press the knob once to select it.

4. Once XXX% Trans Fluid Life is displayed, press the multi-function button next to the Reset prompt in the upper right corner of the display.
   The percentage will return to 100, and the transmission fluid life indicator will be reset.

5. Repeat the steps if the percentage does not return to 100.

**Blank Display:** If you select this item, nothing will be displayed at the top of the screen.
DIC Warnings and Messages

These messages will appear if there is a problem sensed in one of your vehicle’s systems.

You must acknowledge a message to clear it from the screen for further use. To clear a message, press the reconfigurable key next to the OK prompt.

Be sure to take any message that appears on the screen seriously and remember that clearing the message will only make the message disappear, not the problem.

Battery Not Charging

This symbol appears with the Battery Not Charging message.

When this message appears on the display, there is a problem with the generator and battery charging systems. Have the electrical system checked by your dealer as soon as possible.

Battery Saver Active

This symbol appears with the Battery Saver Active message.

This message appears when the system detects that the battery voltage is dropping beyond a reasonable level. The battery saver system will start reducing certain features of the vehicle that you may not be able to notice. At the point that the features are disabled, this message is displayed. It means that the vehicle is trying to save the charge in the battery.

Turn off all unnecessary accessories to allow the battery to recharge.

The normal battery voltage range is 11.5 to 15.5 volts. You can monitor battery voltage on the DIC by selecting Battery Voltage from the Vehicle Information menu.
**Battery Voltage High**

This symbol appears with the Battery Voltage High message.

This message indicates that the electrical charging system is overcharging the battery. When the system detects that the battery voltage is above approximately 16 volts, this message will be displayed.

To reduce the charging overload, use the vehicle's accessories. Turn on the exterior lamps and radio, set the climate control on AUTO and the fan speed on the highest setting, and turn the rear window defogger on.

The normal battery voltage range is 11.5 to 15.5 volts when the engine is running. You can monitor battery voltage on the DIC by selecting Battery Voltage from the Vehicle Information menu.

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**Battery Voltage Low**

This symbol appears with the Battery Voltage Low message.

This message will appear when the electrical system is charging less than 10 volts or if the battery has been drained.

If this message appears immediately after starting the engine, it is possible that the generator can still recharge the battery. The battery should recharge while driving but may take a few hours to do so. Consider using an auxiliary charger to boost the battery after returning home or to a final destination. Be sure to follow the manufacturer's instructions.

If this message appears while driving or after starting your vehicle and stays on, have it checked by your dealer immediately to determine the cause of this problem.

To help the generator recharge the battery quickly, you can reduce the load on the electrical system by turning off the accessories.
The normal battery voltage range is 11.5 to 15.5 volts. You can monitor battery voltage on the DIC by selecting Battery Voltage from the Vehicle Information menu.

**Buckle Passenger**

![Buckle Passenger Symbol](image)

This symbol appears with the Buckle Passenger message.

This message reminds you to buckle the passenger’s seat belt.

This message will display and a chime will sound when the ignition is on, the driver’s seat belt is buckled, the passenger’s seat belt is unbuckled with the passenger airbag enabled and the vehicle is in motion. You should have the passenger buckle their seat belt.

The reminder will be repeated if the ignition is on, the vehicle is in motion, the driver is unbuckled and the passenger is still unbuckled and the passenger airbag is enabled. If the passenger’s seat belt is already buckled, this message and chime will not come on.

**Buckle Seat Belt**

![Buckle Seat Belt Symbol](image)

This symbol appears with the Buckle Seat Belt message.

This message reminds you to buckle the driver’s seat belt.

This message will display and a chime will sound when the ignition is on, the driver’s seat belt is unbuckled and the vehicle is in motion. You should buckle your seat belt.

If the driver remains unbuckled when the ignition is on and the vehicle is in motion, the reminder will be repeated. If the driver’s seat belt is already buckled, this message and chime will not come on.

This message is an additional reminder to the Safety Belt Reminder Light in the instrument panel cluster. See “Safety Belt Reminder Light” in your vehicle’s owner manual.
Change Engine Oil

This symbol appears with the Change Engine Oil message.

This message indicates that the life of the engine oil has expired and it should be changed and that your vehicle is due for service. See “Engine Oil” and “Maintenance Schedule” in your vehicle’s owner manual for more information.

When you reset the Change Engine Oil message by clearing it from the display, you still must reset the engine oil life monitor separately. For more information on resetting the engine oil life monitor, see “Vehicle Information Menu Item Descriptions” previously in this section.

Change Trans Fluid (Automatic Transmission)

This symbol appears with the Change Trans Fluid message.

This message indicates that the life of the transmission fluid has expired and it should be changed within 200 miles. See “Automatic Transmission Fluid” and “Maintenance Schedule” in your vehicle’s owner manual for the proper fluid and change intervals.

When you reset the Change Trans Fluid message by clearing it from the display, you still must reset the transmission fluid life monitor separately. For more information on resetting the transmission fluid life monitor, see “Vehicle Information Menu Item Descriptions” previously in this section.
Check Brake Fluid

This symbol appears with the Check Brake Fluid message.

This message will display if the ignition is in ON to inform the driver that the brake fluid level is low. Have the brake system serviced by your dealer as soon as possible. See “Brake System Warning Light” in your vehicle’s owner manual.

Check Coolant Level

This symbol appears with the Check Coolant Level message.

This message will appear when there is a low level of engine coolant. Have the cooling system serviced by your dealer as soon as possible. See “Engine Coolant” in your vehicle’s owner manual.
Check Gas Cap

This symbol appears with the Check Gas Cap message.

When this message appears on the display, the gas cap has not been fully tightened. You should recheck the gas cap to ensure that it is on and tightened properly. See “Malfunction Indicator Lamp” in your vehicle’s owner manual.

Check Washer Fluid

This symbol appears with the Check Washer Fluid message.

When this message appears on the display, it means that your vehicle is low on windshield washer fluid. You should refill the tank as soon as possible. See “Windshield Washer Fluid” in your vehicle’s owner manual.

Competitive Driving (CTS-V)

When competitive driving mode is turned on with the traction control button, this message will be displayed on the DIC. The TC light will be on when the competitive driving mode is on. The traction control system will not operate while in competitive driving mode. You should adjust your driving accordingly. See the CTS-V portion of “Traction Control System (TCS)” in your vehicle’s owner manual.
Driver Door Ajar

This symbol appears with the Driver Door Ajar message.

When this message appears on the display, it means that the driver’s door was not closed completely. You should make sure that the driver’s door is closed completely.

Engine Coolant Hot – Idle Engine

This symbol appears with the Engine Coolant Hot – Idle Engine message.

This message will appear when the engine coolant temperature is too hot. Stop and allow the vehicle to idle until it cools down.

Notice: If you drive your vehicle while the engine is overheating, severe engine damage may occur. If an overheat warning appears on the instrument panel cluster and/or DIC, stop the vehicle as soon as possible. Do not increase the engine speed above normal idling speed. See “Engine Overheating” in your vehicle’s owner manual for more information.
Engine Coolant Hot – AC (Air Conditioning) Off

This symbol appears with the Engine Hot – AC Off message.

This message displays when the engine coolant becomes hotter than the normal operating temperature. To avoid added strain on a hot engine, the air conditioning compressor is automatically turned off. When the coolant temperature returns to normal, the air conditioning compressor will turn back on. You can continue to drive your vehicle.

If this message continues to appear, have the system repaired by your dealer as soon as possible to avoid damage to the engine or transmission.

Engine Overheated – Stop Engine

This symbol appears with the Engine Overheated – Stop Engine message.

This message will appear when the engine has overheated. Stop the vehicle and turn the engine off immediately to avoid severe engine damage. A chime will also sound when this message is displayed. See “Engine Overheating” in your vehicle’s owner manual.

Notice: If you drive your vehicle while the engine is overheating, severe engine damage may occur. If an overheat warning appears on the instrument panel cluster and/or DIC, stop the vehicle as soon as possible. Do not increase the engine speed above normal idling speed. See “Engine Overheating” in your vehicle’s owner manual for more information.
Engine Power Reduced

This symbol appears with the Engine Power Reduced message.

This message informs you that the vehicle is reducing engine power to try to protect the engine or transmission from damage due to extreme operating conditions. This also can affect the vehicle’s ability to accelerate.

Fuel Level Low

This symbol appears with the Fuel Level Low message.

When this message appears on the display, it means that your vehicle is low on fuel. You should refill the tank as soon as possible. A single chime will sound when this message is displayed.

Headlamps Suggested

This symbol appears with the Headlamps Suggested message.

This message will appear when the amount of available light outside the vehicle is low and the exterior lamp control is off. This message informs the driver that turning on the exterior lamps is recommended even though the DRL are still illuminated and it has become dark enough outside to require the headlamps and/or other exterior lamps.

This message will also appear when the windshield wipers have been on for more than six seconds and the exterior lamp control is off or in the parking lamp position.
Ice Possible
This symbol appears with the Ice Possible message.

This message appears when the outside temperature is cold enough to create icy road conditions.

Left Rear Door Ajar
This symbol appears with the Left Rear Door Ajar message.

When this message appears on the display, it means that the driver’s side rear door was not closed completely. You should make sure that the door is closed completely.

Oil Pressure Low – Stop Engine
This symbol appears with the Oil Pressure Low – Stop Engine message. A multiple chime will sound when this message is displayed.

Notice: If you drive your vehicle while the engine oil pressure is low, severe engine damage may occur. If a low oil pressure warning appears on the instrument panel cluster and/or DIC, stop the vehicle as soon as possible. Do not drive the vehicle until the cause of the low oil pressure is corrected. See “Engine Oil” in your vehicle’s owner manual for more information.
**Passenger Door Ajar**

This symbol appears with the Passenger Door Ajar message.

When this message appears on the display, it means that the passenger’s side front door was not closed completely. You should make sure that the door is closed completely.

**Personalization Off/Driver Identification**

This symbol appears with the Personalization Off message.

When this message appears, the personalization features previously stored are turned off. If you want your customized settings to be automatically recalled when you use the remote keyless entry transmitter or when you remove the key from the ignition, you must enable them in the DIC.

This message is also used to identify the driver (1, 2, or 3) on the navigation display.
Right Rear Door Ajar

This symbol appears with the Right Rear Door Ajar message.

When this message appears on the display, it means that the passenger’s side rear door was not closed completely. You should check to make sure that the door is closed completely.

Service AC (Air Conditioning) System

This symbol appears with the Service AC System message.

This message appears when the electronic sensors that control the air conditioning and heating systems are no longer working. Have the climate control system serviced by your dealer if you notice a drop in heating and air conditioning efficiency.

Service Air Bag

This symbol appears with the Service Air Bag message.

There is a problem with the airbag system when this message appears. Have your vehicle serviced by your dealer immediately. See “Airbag System” in your vehicle's owner manual.
Service Charging System

This symbol appears with the Service Charging System message.

This message will display when a problem with the charging system has been detected. Have your vehicle serviced by your dealer.

Service Electrical System

This symbol appears with the Service Electrical System message.

This message will display if an electrical problem has occurred within the Powertrain Control Module (PCM) or the ignition switch. Have your vehicle serviced by your dealer.

Service Fuel System

This symbol appears with the Service Fuel System message.

The Powertrain Control Module (PCM) has detected a problem within the fuel system when this message appears. Have your vehicle serviced by your dealer.

Service Idle Control

This symbol appears with the Service Idle Control message.

A problem with the idle control has occurred when this message displays. Have your vehicle serviced by your dealer.
Service Stability System Message

This symbol appears with the Service Stability System message.

Your vehicle may be equipped with a vehicle stability enhancement system called Stabilitrak®.

See “Stabilitrak® System” in your vehicle’s owner manual. The Service Stability System message will be displayed if there has been a problem detected with Stabilitrak®.

If the Service Stability System message comes on while you are driving, pull off the road as soon as possible and stop carefully. Try resetting the system by turning the ignition off then back on. If the Service Stability System message still stays on or comes back on again while you are driving, your vehicle needs service. Have the Stabilitrak® System inspected by your dealer as soon as possible.

Stability System Engaged Message

This symbol appears with the Stability System Engaged message.

The Stability System Engaged message will be displayed any time Stabilitrak®, if equipped, is actively assisting you with directional control of the vehicle. Slippery road conditions may exist when this message is displayed, so adjust your driving accordingly. This message may stay on for a few seconds after Stabilitrak® stops assisting you with directional control of the vehicle.
Stability System Off Message

This symbol appears with the Stability System Off message.

The Stability System Off message will be displayed any time you turn off Stabilitrak®, if equipped, using the TC (traction control) on/off button. See “Stabilitrak® System” in your vehicle’s owner manual. When this message has been displayed, Stabilitrak® is no longer available to assist you with directional control of the vehicle. Adjust your driving accordingly.

Stability System Ready Message

This symbol appears with the Stability System Ready message.

The Stability System Ready message will be displayed any time you turn back on Stabilitrak®, if equipped, using the TC (traction control) on/off button. See “Stabilitrak® System” in your vehicle’s owner manual. When this message has been displayed, Stabilitrak® is ready to assist you with directional control of the vehicle if needed.
Service Steering System

This symbol appears with the Service Steering System message.

Your vehicle may be equipped with a speed variable assist steering system. See “Steering” in your vehicle’s owner manual.

The Service Steering System message will be displayed if a problem is detected with the speed variable assist steering system. When this message is displayed, you may notice that the effort required to steer the vehicle increases or feels “heavier,” but you will still be able to steer the vehicle.

Service Theft System

This symbol appears with the Service Theft System message.

This message means there is a problem with the Immobilizer. See “Immobilizer” in your vehicle’s owner manual. A fault has been detected in the system which means that the system is disabled and is not protecting the vehicle. The vehicle usually restarts, however, you may want to take your vehicle to your dealer before turning off the engine.
Service Transmission

This symbol appears with the Service Transmission message.

There is a problem with the transmission of your vehicle. Have your vehicle serviced by your dealer.

Service Vehicle Soon

This symbol appears with the Service Vehicle Soon message.

This message is displayed when a non-emissions related powertrain malfunction occurs. Have your vehicle serviced by your dealer as soon as possible.

Starting Disabled – Remove Key

This symbol appears with the Starting Disabled – Remove Key message.

This message will appear when the vehicle theft-deterrent system detects that an improper ignition key is being used to try to start the vehicle. Check the ignition key for damage. If it is damaged, it may need to be replaced. If it is not damaged, remove the key and try to start the vehicle again. If it still does not start, try another ignition key or have your vehicle serviced by your dealer.
Starting Disabled – Throttle Problem

This symbol appears with the Starting Disabled – Throttle Problem message.

This message appears when your vehicle's throttle system is not functioning properly. Have your vehicle serviced by your dealer.

Theft Attempted

This symbol appears with the Theft Attempted message.

This message is displayed if the content theft-deterrent system has detected a break-in attempt while you were away from your vehicle.

Top Speed – Fuel Cut Off

This symbol appears with the Top Speed – Fuel Cut Off message.

This message will appear when the Engine Control Module (ECM) detects that the maximum speed for your vehicle has been reached. Your vehicle's top speed is based on the top speed rating of the tires. This ensures that your vehicle stays in a safe operating range for the tires.
**Traction Engaged**

This symbol appears with the Traction Engaged message.

This message will appear when the traction control system is actively limiting wheel spin. Slippery road conditions may exist if this message is displayed, so adjust your driving accordingly. The message will stay on for a few seconds after the traction control system stops limiting wheel spin. See “Traction Control System (TCS)” in your vehicle’s owner manual.

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**Trans (Transmission) Hot – Idle Engine**

This symbol appears with the Trans Hot – Idle Engine message.

This message indicates that the transmission fluid in your vehicle is too hot. Stop the vehicle and allow it to idle until the transmission cools down or until this message is removed.
Trunk Open

This symbol appears with the Trunk Open message.

When this message appears on the display, it means that the trunk lid of your vehicle was not closed completely. You should make sure that the trunk lid is closed completely.

Turn Signal On

This symbol appears with the Turn Signal On message.

If you drive your vehicle for more than about 1 mile (1.6 km) with a turn signal on, this message will appear as a reminder to turn off the turn signal. A multiple chime will sound when this message is displayed.
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