Using the Sixth Generation Corvette Navigation System

Presented by Paul Pearson at the National Corvette Museum April 30, 2011
Today’s presentation is on the sixth generation Corvette navigation system and based on my written tutorial.

It is not intended to be all inclusive but a start on getting comfortable with the system.

It will help you avoid some of the common pitfalls in using the system.
Introduction

Overview / Setting up the system
- Getting Started
- DVD region
- User settings
- Route options

System basics
- Tips for data entry
- Points of interest

Functions Available while in motion

Common pitfalls
- Navigation Disc compatibility
- Features and Facts

Access to the user tutorial

Questions and Answers
The Corvette system is a very capable DVD based navigation unit.

While the unit was introduced in the Corvette in 2004 for the 2005 model year it remains a very competent integrated unit dedicated to navigation.

The reason we are here today is because the unit isn’t as easy to master and use as the aftermarket units available on the market.
Setting up the system
Getting around the menus

Will always take you back to the main menu

Will always take you to the previous menu or screen.

Pressing the clock will display today’s date. Holding the clock button will take you to a shortcut for setting the clock and adjusting the time zone.

Will always show you that there is more than one selection page to the menu.
Accessing the menus

The main map screen

The main menu screen
Setting up the system
Getting Started

If you’ve brought home a new Corvette:

- Restore the system defaults.
- Check the GPS antenna reception.
  - Calibrate the system location if required.
- Use the correct DVD and the correct region.
- Setup your user preferences.
- Enter your Home icon location.
- Set-up your Quick POI’s.
- Read the owners manual.

And..................
Setting up the system
Getting Started

Practice, practice, practice.

All of the content we are going to cover today is fairly easy to put to use with the system however, it is always a good idea to get familiar with the system prior to heading off on a trip.

Tip:

You can gain access to all features of the navigation system while parked by holding the bottom of the start button for 10 seconds.
Setting up the system

From the main menu.....

Select the Navigation Setup menu
Setting up the system

Restore System Defaults

Adjust User Settings

Calibrate the unit
Always Make sure you are in the right region for the map DVD. Selecting the Region button will allow you to change the geographic search area.
Maps
This section includes basic information needed for the map database.

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

Set your memory points

Set your home location

Review your waypoints

Set your five Preset Destinations

Review your Previous destinations
There are 10 basic means of entering a destination spread across two destination menu pages.

These are further refined with the home location icon, the five preset destinations and interaction with the map screen.
You must have the DVD of your destination region in when starting to enter a new destination.

The searchable area is going to use the entire selected region to start.

Narrow your search criteria when possible.
When entering a street address provide as much accurate information as you have available.
Try entering the city first to ensure that you minimize your search area.

Without the city there are 202 possible matches.

Narrowing the search area by using the city brings the choices down to 6.
Points of Interest

- Display Quick POI’s on your map screen.
- They are selectable while driving and available for navigation once selected.
Points of Interest
Form vs. Function

Simply changing the scale above ½ mile will clear the POI icons.

Pictured here is the same map area with and without POI icons by moving up to the 1 mile scale.
Points of interest (POI)

Search terms can be generic.

Use the city button to narrow your search area.

You can further refine your choice with the category button.
Points of interest (POI)

Use the list feature to confirm your choice and choose it as a destination or waypoint.
Interacting with the map screen
Selecting a POI icon

- List local POI's
- Choose as destination or waypoint
- Name of selected POI
- Additional POI info.
- Rotate the map
- Compass
- Exit interactive map
- List local POI's
Interacting with the map screen

Selecting a POI icon

Selecting the POI info button

Will display address and phone information about the selected POI
Interacting with the map screen
Select or scroll the map

Cursor location

Distance from current location to cursor location

Pushpin mark as favorite
Understand your route options.
View your route choices by time, miles, toll roads and interstate.
Understand your route options.
Make sure “Allow Major Roads” is selected.

It is a good idea to have the “Allow Toll Road” setting on as well.
Route Guidance

- Preview your route.
Route Guidance

- You can list your route in turn by turn format.
- Understand your route options – you can avoid sections of a route (up to 10).
Route Guidance
Available while in motion

- Home Icon destination.
- Touch on map.
- Points of Interest displayed on map screen.
- Stored Locations – Personal or Business first page.
- Preset Destinations.
- Cancel Guidance.
• Satellite / Location calibration.
• Wrong map DVD or wrong region selected.
• Route options or user settings (Allow Major roads, Allow toll roads).
• Not narrowing your search results enough.
• Database context vs. User entered context.
• Left over waypoints or destinations.
Using the Sixth Generation Corvette Navigation system
Common problems
Any navigation unit is only as good as the data it can draw from. GPS satellites don’t provide detail, they simply transmit location data using latitude and longitude coordinates and time.

Updated navigation DVD’s are available from the GM Nav Disc Center. You can get information about updating your navigation disc for your Corvette on the web or by phone.

Web:  http://gmnavdisc.com/
Phone:  877-NAV-DISC (877-628-3472)

Have your vehicle VIN available.
# Using the Sixth Generation Corvette Navigation System

## Navigation Disc Compatibility

<table>
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<tr>
<th>Year</th>
<th>Version</th>
<th>Part Number</th>
<th>Format</th>
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<tbody>
<tr>
<td>2005</td>
<td>1.0</td>
<td>10381886</td>
<td>1 DVD</td>
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<tr>
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<td>2.0</td>
<td>15779679</td>
<td>1 DVD</td>
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<td>1 DVD</td>
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<td>2008</td>
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<tr>
<td>2011</td>
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### Compatibility

- 2005-2010 Cadillac STS
- 2005-2011 Corvette
- 2005-2008 Grand Prix
- 2005 Olds Bravada
There are two major sources for GPS map data, Navteq and TeleAtlas.

The Corvette OEM Denso navigation radio uses map DVD data provided by TeleAtlas.

To report a map error go to: http://mapinsight.teleatlas.com/mapfeedback/index.php
Using the Sixth Generation Corvette Navigation system

Features and Facts

• Center mounted touch screen
• OEM Integration with Head-up display while in street mode.
• Full integration with audio system
• Voice recognition
• Dead reckoning capability
• 48 State and Canada navigation capabilities
### Using the Sixth Generation Corvette Navigation system

#### Features and Facts

<table>
<thead>
<tr>
<th>Model Year</th>
<th>Units</th>
<th>Percentage</th>
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## Feature Comparison

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<th>Corvette OEM</th>
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<td>Canada Maps</td>
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<td>European Maps</td>
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<td>Spoken turn-by-turn</td>
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<td>Traffic</td>
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<td>Points of Interest</td>
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<td>Emergency services</td>
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<td>Features available while in motion</td>
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*Available separately

*Available with 2009

Select features
The information provided today is based on a tutorial called Using the Corvette Navigation system.

It is available for download from my website as a PDF document as well as available for quick view from a mobile device.

PDF
http://www.theredlion.us/Using%20the%20Corvette%20navigation%20system.pdf

Mobile access:
http://www.theredlion.us/Using%20the%20Corvette%20navigation.htm

I’ve provided a copy of this tutorial on CD for everyone in attendance today.
Using the Corvette Navigation System

Questions and Answers