

SECTION 1

BASIC FUNCTIONS

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Initial screen



Vehicles with smart key system —

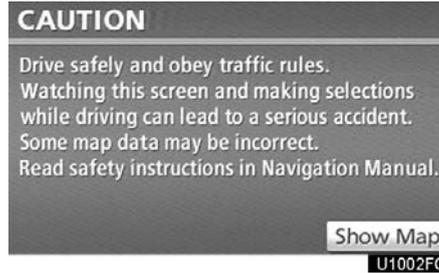
When the “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode, the initial screen will be displayed and the system will begin operating.

Vehicles without smart key system —

When the engine switch is in the “ACC” or “ON” position, the initial screen will be displayed and the system will begin operating.



After a few seconds, the “CAUTION” screen will be displayed.



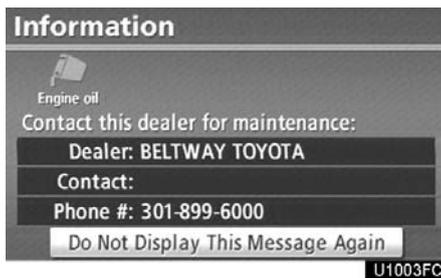
After about 5 seconds, the “CAUTION” screen automatically switches to the map screen. When the “MAP/VOICE” button is also pushed, the map screen is displayed.

While the “CAUTION” screen is displayed, the “DEST” or “SETUP” button cannot be operated. And if the “Calendar” button on the “Information” screen is touched, the screen will change back to the “CAUTION” screen. In about 5 seconds, or when the “MAP/VOICE” button is pushed or the “Show Map” is touched, the “CAUTION” screen will change to the map screen.

● **Maintenance information**

This system informs about when to replace certain parts or components and shows dealer information (if registered) on the screen.

When the vehicle reaches a previously set driving distance or date specified for a scheduled maintenance check, the “Information” screen will be displayed when the navigation system is in operation.



To disable this screen, touch “Do Not Display This Message Again”. This screen goes off if the screen is not operated for several seconds.

To prevent this information screen from being displayed again, touch “Do Not Display This Message Again”.

To register “Maintenance information”, see “—Maintenance” on page 288.

Touch screen operation

This system is operated mainly by the touch screen buttons on the screen.

To prevent damage to the screen, lightly touch buttons on the screen with the finger. When a button on the screen is touched, a beep sounds. (To set a beep sound, see page 224.)

Do not use objects other than the finger to touch the screen.

INFORMATION
<ul style="list-style-type: none"> ● <i>If the system does not respond to a touch on a touch screen button, move the finger away from the screen and then touch it again.</i> ● <i>Dimmed touch screen buttons cannot be operated.</i> ● <i>Wipe off fingerprints using a glass cleaning cloth. Do not use chemical cleaners to clean the touch screen.</i> ● <i>The displayed image may become darker and moving images may be slightly distorted when the display is cold.</i> ● <i>Under extremely cold conditions, the map may not be displayed and the data input by a user may be deleted. Also, the touch screen buttons may be harder than usual to depress.</i> ● <i>When you look at the screen through polarized material such as polarized sunglasses, the screen may be dark and hard to see. If so, look at the screen from different angles, adjust the screen settings on the “Display” screen, or take off your sunglasses.</i>

BASIC FUNCTIONS

Inputting letters and numbers/List screen operation

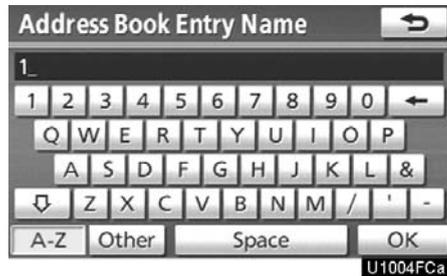
When searching for an address or a name, or entering, letters and numbers can be input via the touch screen.

INFORMATION

*Keyboard layout can be changed.
(See page 227.)*

- **To input letters and numbers**

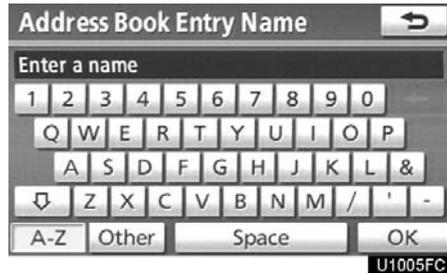
To display the alphabet keys, touch “A-Z”.



Enter letters by touching the keys directly.

 : Touching this button erases one letter. By holding this button, letters will continue to be erased.

On certain letter entry screens, letters can be entered in upper or lower case.

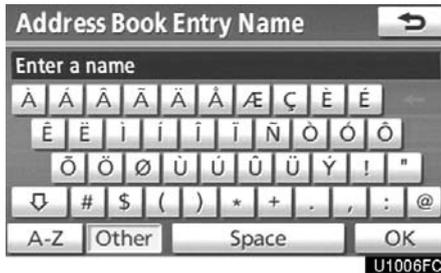


 : To enter in lower case.

 : To enter in upper case.

- **To input symbols**

To display symbol keys, touch “Other”.



Enter symbols by touching the symbol keys directly.

 : Touching this button erases one letter. By holding this button, letters will continue to be erased.

- **To display the list**



To search for an address or a name, touch “OK”. Matching items from the database are listed even if the entered address or name is incomplete.

If the number of matches is five or less, the list is displayed without touching “OK”.



INFORMATION

*The number of matching items is shown to the right side of the screen. If the number of matching items is more than 999, the system displays “**” on the screen.*

BASIC FUNCTIONS

- **List screen operation**

When a list is displayed, use the appropriate button to scroll through the list.



To shift to the next or previous page.



Touch  or  to scroll through the displayed list.



This expresses a displayed screen position.



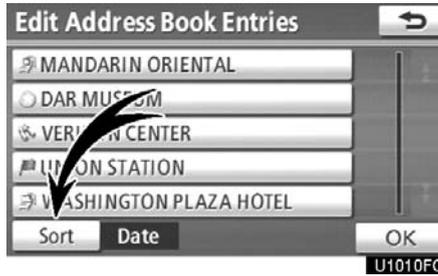
If  appears to the right of the item name, the complete name is too long for the display. Touch  to scroll to the end of the name.



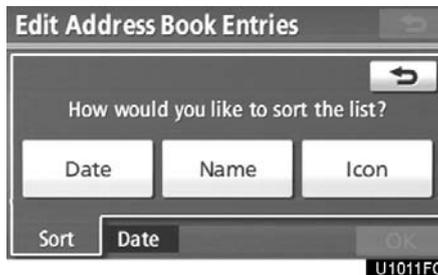
Touch  to scroll to the beginning of the name.

- **Sorting**

The order of a list displayed on the screen can be rearranged.



1. Touch "Sort".



2. Select the desired sorting criteria.

Sorting criteria are as follows:

“**Distance**”: To sort in the order of distance from your current location.

“**Date**”: To sort in the order of the date.

“**Category**”: To sort in the order of the category.

“**Icon**”: To sort in the order of the icons.

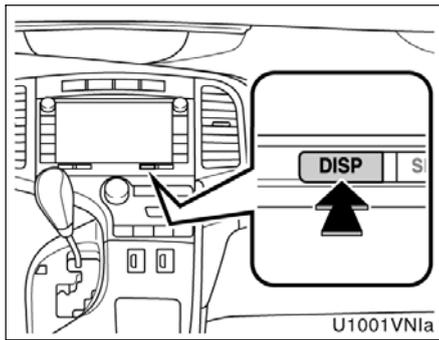
“**Name**”: To sort in order by name.

Screen adjustment

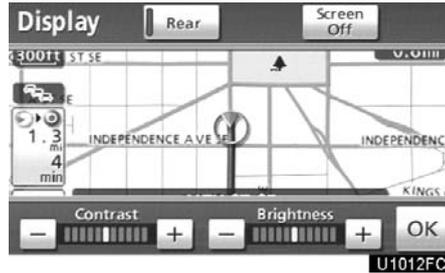
You can adjust the contrast, brightness, color and tone of the screen. You can also turn the display off, and change the screen to either day or night mode.

- **Contrast, brightness, color and tone adjustment**

The contrast, brightness, color and tone of the screen can be adjusted depending on the brightness of your surroundings. You can also turn the display off.



1. Push the “DISP” button.



Contrast and brightness adjustment

2. Touch the desired button to adjust contrast and brightness.

“Contrast” “+”: Strengthens the contrast of the screen.

“Contrast” “-”: Weakens the contrast of the screen.

“Brightness” “+”: Brightens the screen.

“Brightness” “-”: Darkens the screen.

3. After adjusting the screen, touch “OK”.

The screen goes off when “Screen Off” is touched. To turn the display screen back on, push the “DISP” button again, or push the “DEST” or another screen mode button.

INFORMATION

When you do not touch any button on the “Display” screen for 20 seconds, the previous screen will be displayed.

BASIC FUNCTIONS



Color and tone adjustment (with rear seat entertainment system)

1. Touch the desired button to adjust color and tone.

You can adjust the color and the tone while the DVD video and video CD are being played.

“Color” “R”: Strengthens the red color of the screen.

“Color” “G”: Strengthens the green color of the screen.

“Tone” “+”: Strengthens the tone of the screen.

“Tone” “-”: Weakens the tone of the screen.

2. After adjusting the screen touch “OK”.

If your vehicle is equipped with the rear seat entertainment system, the rear screen turns on or off when “Rear” is touched.

The screen goes off when “Screen Off” is touched. To turn the display screen back on, push the “DISP” button again, or push the “DEST” or another screen mode button.

INFORMATION

When you do not touch any button on the “Display” screen for 20 seconds, the previous screen will be displayed.

● Changing between day mode and night mode

Depending on the position of the headlight switch, the screen changes to day mode or night mode.

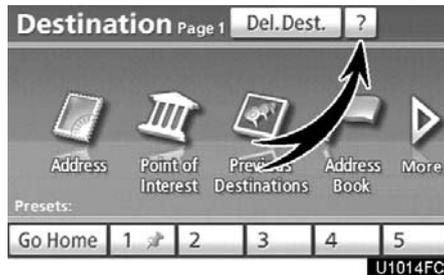


To display the screen in day mode even with the headlight switch on, touch “Day Mode” on the adjustment screen for brightness and contrast control.

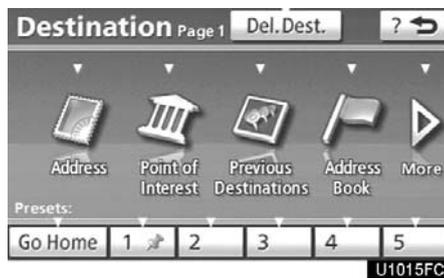
If the screen is set in day mode with the headlight switch turned on, this condition is memorized in the system even with the engine turned off.

Function help

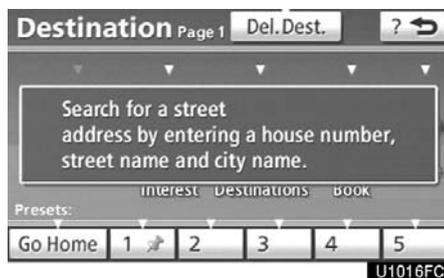
When  appears on the screen, an explanation of the function can be displayed.



1. Touch  .



2. Touch the button of the desired function.



Map screen operation — — Current position display

When starting the navigation system, the current position is displayed first.

This screen displays the current vehicle position and a map of the surrounding local area.



The current vehicle position mark () appears in the center or bottom center of the map screen.

A street name will appear on the bottom of the screen, depending on the scale of the map () .

You can return to this map screen that shows your current position at any time from any screen by pushing the “MAP/VOICE” button.

While driving, the current vehicle position mark is fixed on the screen and the map moves.

The current position is automatically set as the vehicle receives signals from the GPS (Global Positioning System). If the current position is not correct, it is automatically corrected after the vehicle receives signals from the GPS.

INFORMATION
<ul style="list-style-type: none"> • After battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the system receives signals from the GPS, the correct current position is displayed. • To correct the current position manually, see page 239.

BASIC FUNCTIONS

— Screen scroll operation (one-touch scroll)

When any point on the map is touched, that point moves to the center of the screen and is shown by the cursor mark (1).



Use the scroll feature to move the desired point to the center of the screen for looking at a point on the map that is different from the current position of the vehicle.

If the finger is continuously held on the screen, the map will continue scrolling in that direction until the finger is removed.

A street name, city name, etc. of the touched point will be shown, depending on the scale of the map (2). Distance from the current position to the cursor mark will also be shown (3).

After the screen is scrolled, the map remains centered at the selected location until another function is activated. The current vehicle position mark will continue to move along your actual route and may move off the screen. When the “MAP/VOICE” button is pushed, the current vehicle position mark returns to the center of the screen and the map moves as the vehicle proceeds along the designated route.

INFORMATION

When the one-touch scroll feature is used, the current vehicle position mark may disappear from the screen. Move the map with a one-touch scroll again or push the “MAP/VOICE” button to return to the current vehicle position map location display.

- **To set the cursor position as a destination**

A specific point on the map can be set as a destination using the one-touch scroll function.



Touch “Enter”.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 72.)

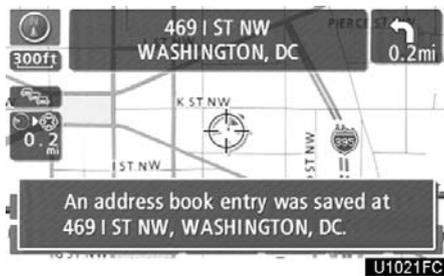
- **To register the cursor position as an address book entry**

Address book entry registration enables easy access to a specific point.



Touch “Mark”.

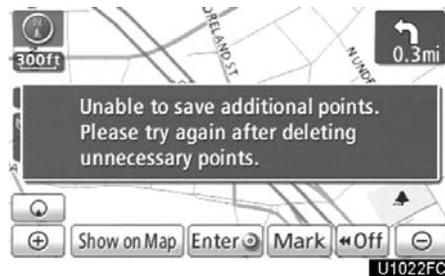
When you touch “Mark”, the following screen appears for a few seconds, and then the map screen returns.



The registered point is shown by  on the map.

To change the icon or name, etc., see “ (b) Editing address book entries” on page 110.

Up to 100 address book entries can be registered. If there is an attempt to register more than 100 address book entries, an error message will appear.



BASIC FUNCTIONS

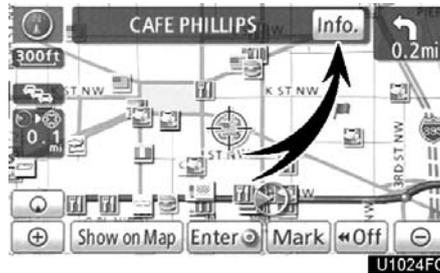
- To see information about the icon where the cursor is set



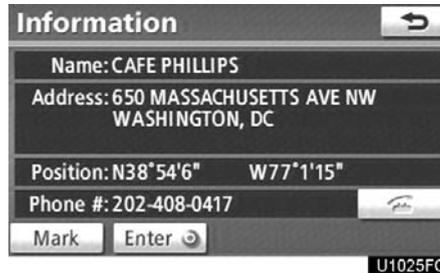
To display information about an icon, set the cursor on it.

POI INFORMATION

When the cursor is set on a POI icon, the name and “Info.” are displayed at the top of the screen.



Touch “Info.”.



Information such as the name, address, and phone number are displayed.

If “Enter” is touched, the position of the cursor is set as a destination.

If there is already a set destination, “Go to” and “Add to Route” are displayed.

“Go to”: To delete the existing destinations and set a new one.

“Add to Route”: To add a destination.

To register this POI as an address book entry, touch “Mark”. (See page 109.)

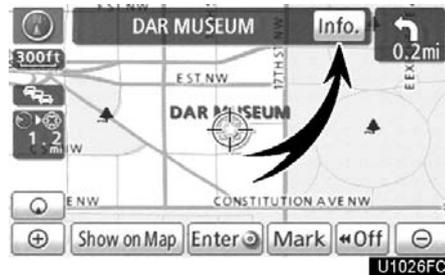
If  is touched, the registered telephone number can be called.

INFORMATION

The desired Point of Interest can be displayed on the map screen. (See “ — Display POI icons” on page 92.)

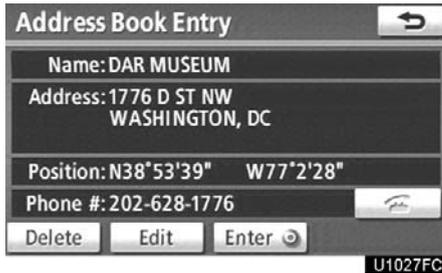
ADDRESS BOOK ENTRY INFORMATION

When the cursor is set on an address book entry icon, the name and “Info.” are displayed at the top of the screen.



Touch “Info.”.

BASIC FUNCTIONS



Information such as the name, address, and phone number are displayed.

If “**Enter** 

If there is already a set destination, “**Go to** 

“**Go to** 

“**Add to Route**””: To add a destination.

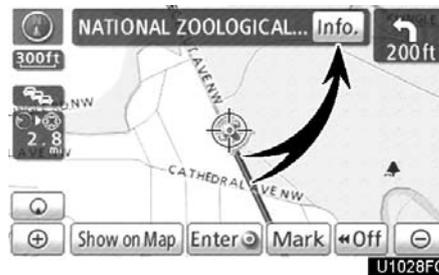
To edit an address book entry, touch “**Edit**”. (See “(b) Editing address book entries” on page 110.)

To delete an address book entry, touch “**Delete**”.

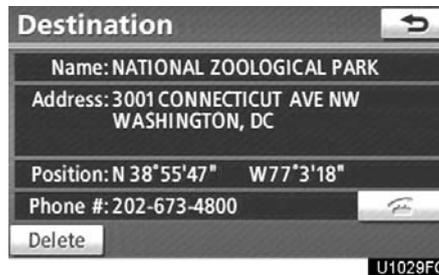
If  is touched, the registered telephone number can be called.

DESTINATION INFORMATION

When the cursor is set on a destination icon, the name and “**Info.**” are displayed on the top of the screen.



Touch “**Info.**”.



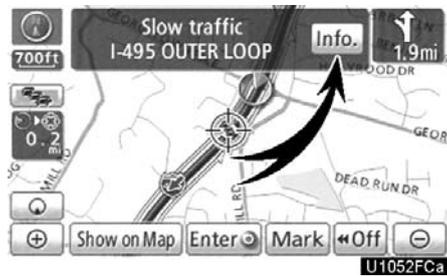
Information such as the name, address, and phone number are displayed.

To delete a destination, touch “**Delete**”.

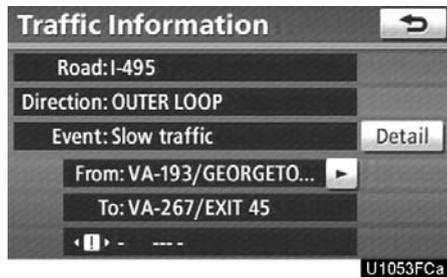
If  is touched, the registered telephone number can be called.

XM® NavTraffic TEXT INFORMATION

When you touch the XM® NavTraffic icon on the map, the XM® NavTraffic info. bar will appear on the upper part of the screen.

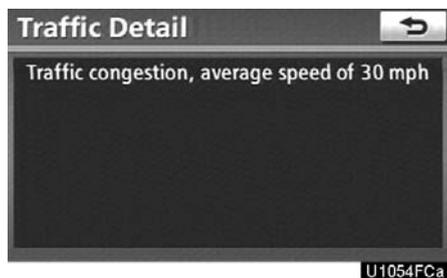


Touch "Info.".



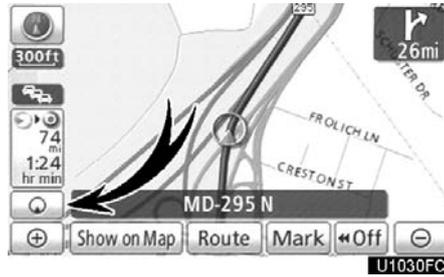
Traffic information is displayed on the screen.

Touch "Detail" to display detailed traffic event information.

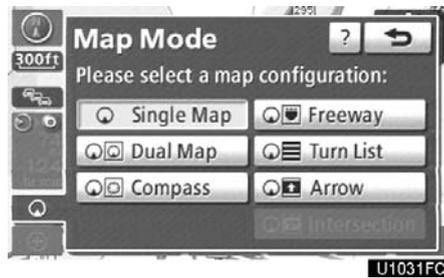


— Switching the screens

Any one of the screen configurations can be selected .



1. Touch this button to display the following screen.



2. To select the desired screen configuration, touch one of the following buttons.

BASIC FUNCTIONS

Depending on the conditions, certain screen configuration buttons cannot be selected.

 **Single Map** :
To display the single map screen.
(See page 40.)

 **Dual Map** :
To display the dual map screen.
(See page 41.)

 **Compass** :
To display the compass mode screen. (See page 41.)

 **Freeway** :
To display the freeway screen.
(See page 78.)

 **Turn List** :
To display the turn list screen.
(See page 80.)

 **Arrow** :
To display the arrow screen. (See page 80.)

 **Intersection** :
To display the intersection guidance screen or the guidance screen on the freeway. (See page 79.)

● Screen configurations

SINGLE MAP

This is a regular map screen.

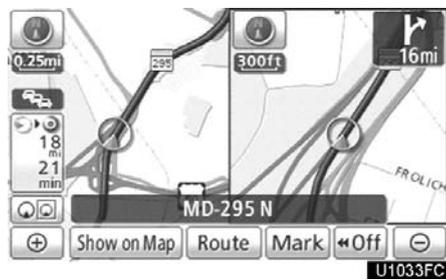
While on a different screen, touching  will display the single map screen.



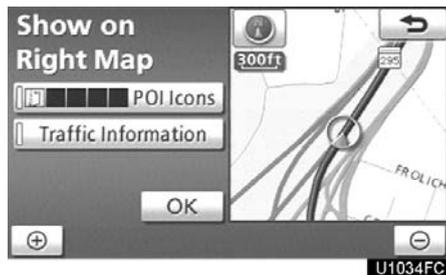
The screen shows the single map.

DUAL MAP

A map can be displayed split in two. While on a different screen, touching  will display the dual map screen.



The screen shows the dual map. The map on the left is the main map. The right side map can be edited by touching any specific point on the right side map.



This screen can perform the following procedures:

1. Changing the map scale
2. Displaying the POI icon
3. Show XM® NavTraffic Info. (See page 98.)
4. Changing the orientation of the map

Touch “OK” when you complete editing.

The screen returns to the dual map screen.

COMPASS MODE

Current vehicle position is indicated with a compass.

While on a different screen, touching  will display the compass mode screen.



Information about the destination and current position, as well as a compass, is displayed on the screen.

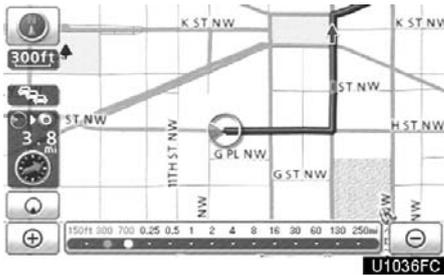
The destination mark is displayed in the direction of the destination. When driving refer to the longitude and latitude coordinates, and the compass, to make sure that your vehicle is headed in the direction of the destination.

INFORMATION

When the vehicle travels out of the coverage area, the guidance screen changes to the compass mode screen.

BASIC FUNCTIONS

— Map scale



Touch or to change the scale of the map display. The scale bar and indicator at the bottom of the screen indicates the map scale menu. The scale range is 150 feet (50 m) to 250 miles (400 km).

Touch or until the scale bar changes normally. By continuing to touch the button, the scale bar changes smoothly.

The scale of the map display can be changed by touching the scale bar directly. It is not available while driving.

The map scale is displayed under the north-up symbol or heading-up symbol at the top left of the screen.

INFORMATION

When the map scale is at the maximum range of 250 miles (400 km), is not shown. When the map scale is at the minimum range of 150 feet (50 m), is not shown. In areas where the foot print map is available the map scale changes from to when at the minimum range.

— Foot print map

For the area which is covered by the foot print map (Some areas in the following cities: Detroit, Chicago, N.Y., L.A), you can switch to the foot print map on a scale of 75 feet (25 m).

• To switch to the foot print map

changes into when the map is scaled down to 150 feet (50 m).



To display the foot print map, touch



To delete the foot print map display, touch

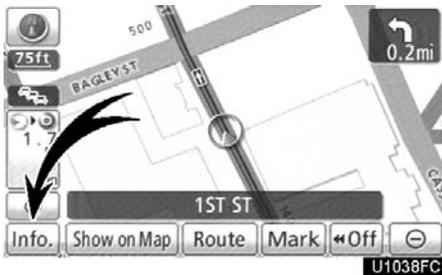


INFORMATION

- If the map or the current position is moved to the area which is not covered by the foot print map, the screen scale automatically changes to 150 feet (50 m).
- On the foot print map, a one way street is displayed by .
- It is not possible to perform scrolling on the foot print map (one-touch scroll) while driving.

● **To display building information**

Information is available only for buildings for which information is recorded on the map disc.



Touch "Info." while the foot print map is displayed.



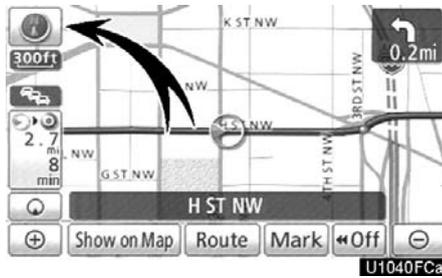
Details of POIs in some buildings may be displayed.

For detailed POI information, touch the building name. You can see details of the selected POIs.

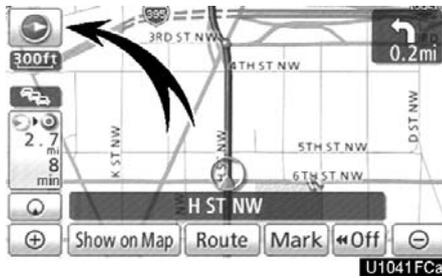
— **Orientation of the map**

The orientation of the map can be changed from North-up to Heading-up by touching the orientation symbol at the top left of the screen.

Touch  or .



▶ **North-up screen**



▶ **Heading-up screen**

 **North-up symbol**

Regardless of the direction of vehicle travel, North is always up.

 **Heading-up symbol**

The direction of vehicle travel is always up. A red arrow indicates North.

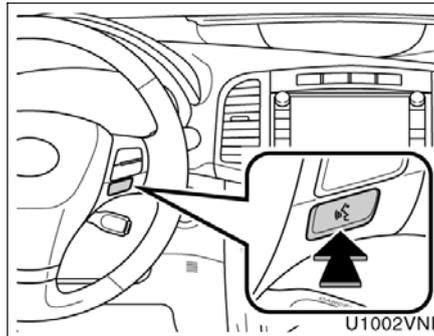
BASIC FUNCTIONS

—Map icons

Icon	Name
	Island
	Park
	Industry
	Business facility
	Airport
	Military
	University
	Hospital
	Stadium
	Shopping mall
	Golf

Speech command system—

The speech command system enables you to operate the navigation system, audio system and hands-free system by giving a command.



1. Push the talk switch.

After a beep sounds, the “Voice Menu” screen is displayed.

INFORMATION

Voice guidance for the speech command system can be skipped by pushing the talk switch.



2. After a beep sounds, say the command of your choice.

Speech commands are marked with . Speak the commands as displayed on the screen.

If you want to check the command list, say "**Command list**" to display the command list screen. (See "—Command list" on page 47.)



3. Following voice guidance, say the command displayed on the screen.

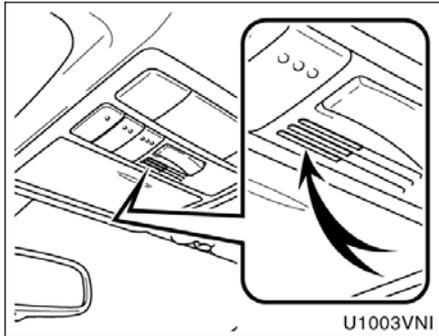
If a desired outcome is not shown, or if no choices are available, say "**Go back**" or touch "**Go Back**" to return to the previous screen.

To cancel speech command recognition, say "**Cancel**", touch "**Cancel**", or push and hold the talk switch.

If the navigation system does not respond or the confirmation screen does not disappear, please push the talk switch and try again.

If a speech command cannot be recognized within 6 seconds, the voice guidance system will say "Pardon?" ("Command not recognized." will be displayed on the screen) and speech command reception will restart.

If a speech command cannot be recognized two consecutive times, the voice guidance system will say "Paused. To restart voice recognition, push the talk switch.", then be suspended.



► **Microphone**

It is unnecessary to speak directly into the microphone when giving a command.

INFORMATION

- *Wait for the confirmation beep before speaking a command.*
- *Voice commands may not be recognized if :*
 - *Spoken too quickly*
 - *Spoken at a low or high volume*
 - *The windows or sunroof are open*
 - *Passengers are talking while voice commands are spoken*

- **Speech command example: Searching for a route to your home.**

1. **Push the talk switch.**
2. **Say “Go home”.**

If a home address is not registered, the voice guidance system will say “Your home is not set” and you will be prompted to enter a home address. (See page 103.)

When the speech command is recognized, a map of the area around your home is displayed.



3. **Touch “Enter” or say “Enter”, and the system starts searching for a route to your home.**

To return to the “Voice Menu” screen, say “Go back” or touch “Go Back”.

Touch “Cancel” or say “Cancel”, and the speech command system will be canceled.

When you search the destination by POI, this screen is displayed.



INFORMATION

In the following conditions, the system may not recognize the command properly and using speech commands may not be possible.

- *The command is not correct or clear.*
Note that certain words, accents, or speech patterns may be difficult for the system to recognize.
- *There are some noises such as wind noise, etc.*

—Command list

The system has a voice recognition command list. You can operate the voice recognition system by saying any command from the displayed command list. However, the XM® NavTraffic commands cannot be used where the XM® NavTraffic service is not available. (For details, see "XM® NavTraffic" page 98.)

1. Push the talk switch.



2. Say "Command list".



3. Say the command of your choice to operate the system.

To confirm commands on the screen, touch  or  to scroll through the command list. This function is available only when the vehicle is not moving.

INFORMATION

When the "Voice Menu" screen is displayed, all the commands in the voice recognition command list can be recognized.

- **Speech command example: Changing map screen**

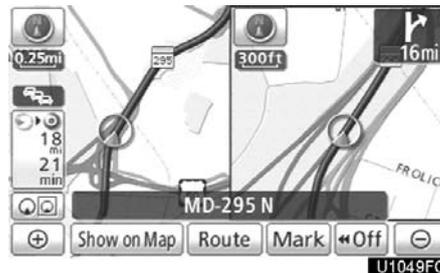
1. Push the talk switch.
2. Say "Command list".



3. Say "Dual map".

To confirm commands on the screen, touch  or  to scroll through the command list. This function is available only when the vehicle is not moving.

When  or  is touched, push the talk switch again and say the command.



The screen shows the dual map.

- **Speech command example: Changing map scale**

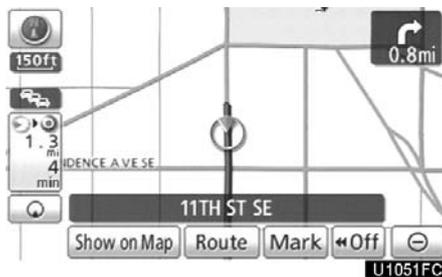
1. Push the talk switch.
2. Say "Command list".



3. Say "Zoom in" or "Zoom out".

To confirm commands on the screen, touch  or  to scroll through the command list. This function is available only when the vehicle is not moving.

When  or  is touched, push the talk switch again and say the command.



The scale of the map display is changed.

BASIC FUNCTIONS
