

SECTION 1

BASIC FUNCTIONS

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BASIC FUNCTIONS

Initial screen



When the "ENGINE START STOP" switch is in the ACCESSORY or IGNITION ON mode, 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 "MENU" button cannot be operated. And if the "Language", "Calendar" or "Maintenance" buttons on the "Information" screen are touched, the screen will change back to "CAUTION" screen and then change to the map screen in about 5 seconds later or if the "MAP/VOICE" button is pushed.

● 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 information" on page 124.

● **Memo information**

This system notifies about a memo entry. At the specified date, the memo information will be displayed when the navigation system is in operation. The memo information screen will be displayed every time the system is turned on.



The memo of the current date can be viewed by touching “Memo”. (See “ — Editing a memo” on page 131.)

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 a memo information, see “Calendar with memo” on page 128.

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.

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 a memo, letters and numbers can be input via the touch screen.

INFORMATION

*Keyboard layout can be changed.
(See page 108.)*

- **To input letters**

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



Enter letters by touching the alphabet 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 numbers and symbols**

To display the number keys and symbol keys, touch “0–9”.



Enter numbers and symbols by touching the number keys and symbol keys directly.

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

 1/2 : Touching this button displays other symbols.

 2/2

- **To display the list**



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

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



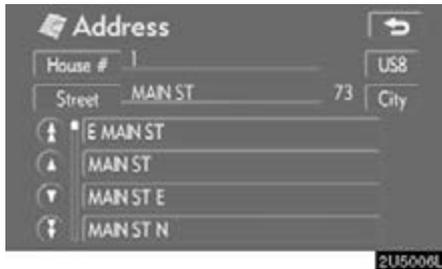
INFORMATION

*The number of matching items is shown to the right side of the screen. If the number of matching items is more than 9,999, 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.



To scroll up or down one item at a time.



This expresses a displayed screen position.

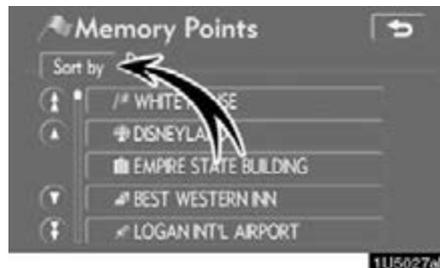
If appears to the right of the item name, the complete name is too long for the display. Touch to scroll to the end of the name.

Touch to scroll to the beginning of the name.

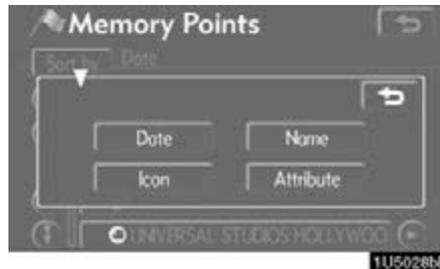
- **Sorting**

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

TYPE A



1. Touch "Sort by".



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.

"Attribute": To sort in order by attribute.

TYPE B



“**Dist. Sort**”: To sort in the order of distance from the current vehicle location. The distance from current vehicle position up to the destination is displayed to the right of the name.

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

Function help

Explanations for the functions of the “Destination”, “Setup”, “Menu”, “Address” and “XM NavTraffic” screens can be viewed.



Touch ?.



: To view the previous page.

: To view the next page.

: To return to the previous screen.

BASIC FUNCTIONS

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 (1) 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 (2).

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

- 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 114.

— 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 (3) 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 60.)

- **To register the cursor position as a memory point**

Memory point 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 “ — Editing memory points” on page 94.

Up to 106 memory points can be registered. If there is an attempt to register more than 106, a message appears for confirmation.



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 on 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, “Add to” and “Replace” are displayed.

“Add to”: To add a destination.

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

To register this POI as a memory point, touch “Mark”. (See page 93.)

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

INFORMATION

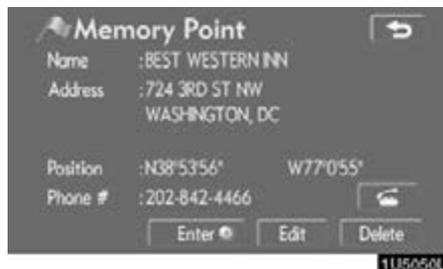
The desired Point of Interest can be displayed on the map screen. (See “ — Display POI icons” on page 78.)

MEMORY POINT INFORMATION

When the cursor is set on a memory point 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.

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

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

“Add to”: To add a destination.

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

To edit a memory point, touch “Edit”. (See “— Editing memory points” on page 94.)

To delete a memory point, 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.

BASIC FUNCTIONS

— 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.

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

-  : To display the single map screen. (See page 33.)
-  : To display the dual map screen. (See page 33.)
-  : To display the compass mode screen. (See page 34.)
-  : To display the turn list screen. (See page 68.)
-  : To display the arrow screen. (See page 68.)
-  : To display the freeway information screen. (See page 66.)
-  : To display the intersection guidance screen or the guidance screen on the freeway. (See page 67.)

● **Screen configurations**

SINGLE MAP

This is a regular map screen.

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

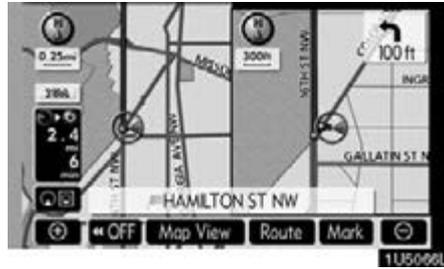


The screen shows the single map.

DUAL MAP

A map can be displayed split in two.

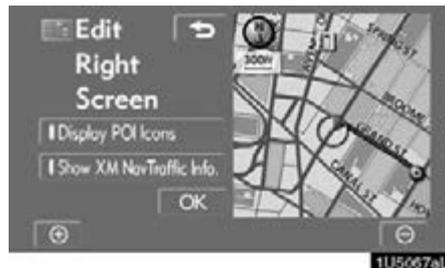
While on a different screen, touching  will display the dual map screen.



The screen shows the dual map. The map on the left is the main map.

The right side map can be edited.

Touch the right side map to display the edit screen.



This screen can perform the following procedures:

1. Changing the map scale
2. Displaying the POI icon
3. Show XM[®] NavTraffic Info. (See page 116.)
4. Changing the orientation of the map

Touch "OK" when you complete editing.

The screen returns to the dual map screen.

BASIC FUNCTIONS

COMPASS MODE

Current vehicle position is indicated with a compass, not with a map.

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.

— 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. By continuing to touch the button, the scale bar changes continuously.

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.



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

If the map is displayed by a split screen, the map will change into a single map display.



2. Using the eight-direction arrow, move the cursor to the position of the building to display building information.

3. Touch "Building Info."

BASIC FUNCTIONS



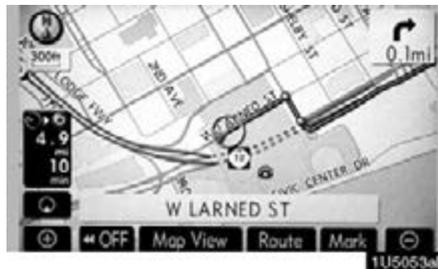
Details of POIs in some buildings may be displayed.

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

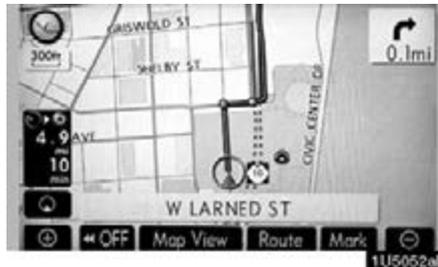
— Orientation of the map

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.

SECTION 2

DESTINATION SEARCH

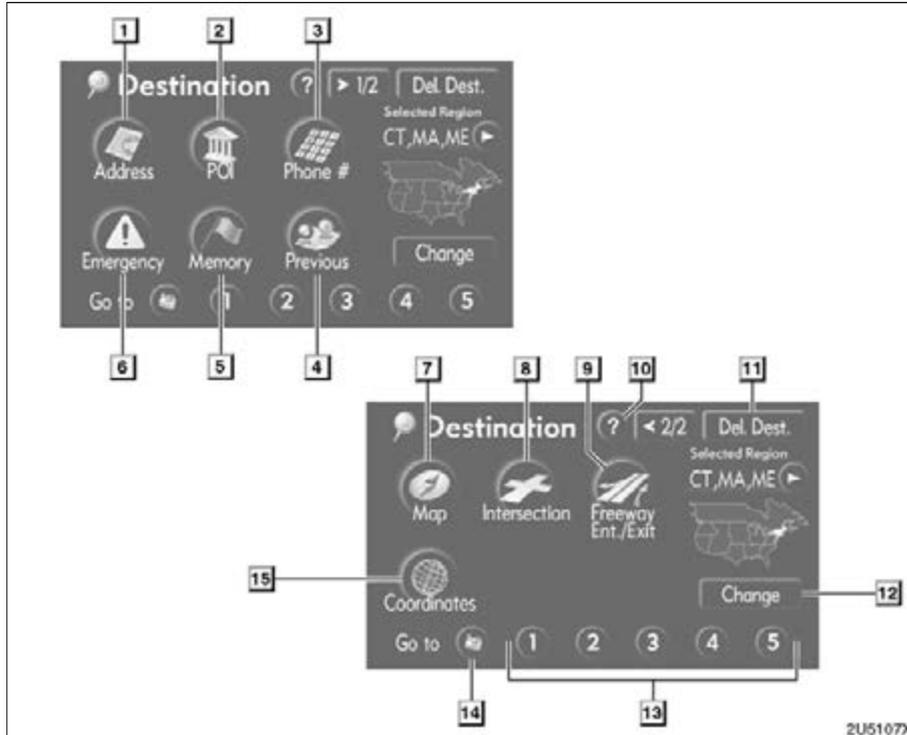
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*: Point of Interest

DESTINATION SEARCH

Quick reference (“Destination” screen)

The “Destination” screen allows you to search for a destination. To display the “Destination” screen, push the “DEST” button.



- 1 “Address”**
A house number and the street address can be input by using the input keys. 43
- 2 “POI”**
Select one of the many POIs (Points of Interest) that have already been stored in the system’s database. 47
- 3 “Phone #”**
A destination can be entered by the telephone number. 54
- 4 “Previous”**
A destination can be selected from any of the last 100 previously set destinations and from the previous starting point. 55

- 5 “Memory”**
The location can be selected from the registered “Memory points”. (To register memory points, see “ — Registering memory points” on page 93.) 55
- 6 “Emergency”**
One of the four categories of emergency service points that are already stored in the system’s database can be selected. 54
- 7 “Map”**
A destination can be selected simply by touching the location on the displayed map. 56

8 “Intersection”

The names of two intersecting streets can be entered. This is helpful if only the general vicinity, not the specific address, is known. 57

9 “Freeway Ent./Exit”

The name of a freeway (interstate) entrance or exit can be entered. 58

10 “?”

Function help for the “Destination” screen can be viewed on this screen. 27

11 “Del. Dest.”

Set destinations can be deleted. 59

12 “Change”

To change the selected region to search, touch this button. 40

13 Quick access touch-screen buttons

One of 5 preset destinations can be selected by touching the screen directly. If a quick access point has not been registered, a message will be displayed and will automatically switch to the setting screen. To use this function, it is necessary to set the “Quick Access” for each memory point. (To register a “Quick Access”, see “ — Editing memory points” on page 94.) 42

14 Home touch-screen button

A personal home address can be selected without entering the address each time. If home has not been registered, a message will be displayed and will automatically switch to the setting screen. To use this function, it is necessary to set “Home” for the memory point. (To register “Home”, see “ — Registering home” on page 100.) 42

15 “Coordinates”

A destination can be set by using latitude and longitude as coordinates. 59

Destination search —



Push the “DEST” button.



You can use one of 12 different methods to search your destination. (See pages 42 through 59.)

INFORMATION

When searching the destination, the response to the touch-screen button may be slow.

DESTINATION SEARCH

— Selecting the region to search

SELECTING THE REGION TO SEARCH ON THE DESTINATION SCREEN

1. Push the “DEST” button.



2. Touch “Change” on the “Destination” screen to display a map of the United States and Canada divided into 12 regions. (For map database information and updates, see “Map database information and updates” on page 204.)



3. Touch one of “US1” through “CAN” to select a region to search.
4. Touch “OK” and the “Destination” screen returns.

SELECTING THE REGION TO SEARCH ON THE INPUT SCREEN

Change the selected region in order to set a destination from a different region by using “Address”, “POI”, “Freeway Ent./Exit” or “Intersection”.



1. Touch the region to search button like “US8” on the input screen to display a map of the United States and Canada divided into 12 regions. (For map database information and updates, see “Map database information and updates” on page 204.)



2. Touch one of “US1” through “CAN” to select a region to search.
3. Touch “OK” and the previous screen returns.

DESTINATION SEARCH

U.S.A.	
Button	States included in the search region
"US1"	Idaho Oregon Washington
"US2"	California Nevada
"US3"	Arizona Colorado Montana New Mexico Utah Wyoming
"US4"	Iowa Kansas Minnesota Missouri North Dakota Nebraska South Dakota
"US5"	Oklahoma Texas
"US6"	Illinois Indiana Kentucky Michigan Ohio Wisconsin
"US7"	Arkansas Alabama Louisiana Mississippi Tennessee
"US8"	Connecticut Massachusetts Maine New Hampshire New Jersey New York Rhode Island Vermont

"US9"	Washington, D.C. Delaware Maryland New Jersey Pennsylvania Virginia West Virginia
"US10"	Florida Georgia North Carolina South Carolina
"HI"	Hawaii

Canada	
Button	Provinces and regions included in the search region
"CAN"	All provinces and regions in Canada included in this button.

DESTINATION SEARCH

— Destination search by Home

1. Push the “DEST” button.



2. Touch the home touch-screen button on the “Destination” screen.

The screen changes and displays the map location for home and the route preference. (See “Starting route guidance” on page 60.)

If home has not been registered, a message will be displayed and will automatically switch to the setting screen.

To use this function, it is necessary to set “Home” for the memory point. (To register “Home”, see page 12.)

INFORMATION

Guidance starts from the current vehicle position to your home if “Enter” is touched even while driving.

— Destination search by Quick access

1. Push the “DEST” button.



2. Touch any of the quick access touch-screen buttons on the “Destination” screen.

The screen changes and displays the map location of the quick access point and the route preference. (See “Starting route guidance” on page 60.)

If a quick access point has not been registered, a message will be displayed and will automatically switch to the setting screen.

To use this function, it is necessary to set “Quick Access” for each memory point. (To register “Quick Access”, see page 14.)

INFORMATION

Guidance starts from the current vehicle position to the quick access point if “Enter” is touched even while driving.

— Destination search by “Address”

There are 2 ways to input a destination by address.

1. Push the “DEST” button.
2. Touch “Address” on the “Destination” screen.



(a) Inputting a house number and a street name



1. Touch numbers directly on the screen to input a house number.

After inputting a house number, touch “OK” to display the screen for inputting a street name.

It is possible to input a street name first. Touch “Street” to display the screen for inputting a street name.



2. Input the street name and touch “List”.

DESTINATION SEARCH



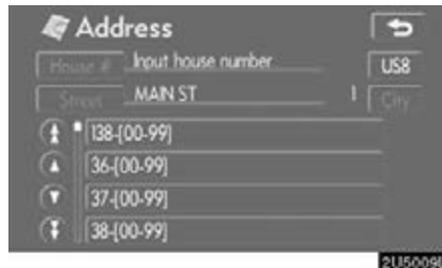
3. When the desired street name is found, touch the corresponding button.

The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 60.)

If the same address exists in more than one city, the current screen changes to the city list screen.



If inputting a street name first, the screen changes. The house number can then be input.



If the above screen appears, an address range on the screen can be selected.



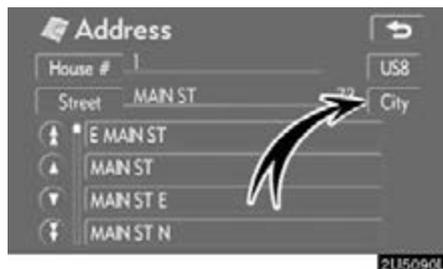
4. Select or enter the desired city.

"Input Name": To narrow down the listed items by inputting the city name.



If the same address exists in more than one city, the current screen changes to the city list screen.

(b) Selecting a city to search



Touch "City".



To search by city, the following three methods are possible.

1. Input the city name
2. Select from the nearest 5 cities
3. Select from the last 5 cities

INFORMATION

- To change the selected region, touch "Select Region".
- To cancel the city setting, touch "Any City".

INPUTTING THE CITY NAME

1. Touch "Input City Name".



2. Input a city name.



3. Touch the button of the desired city name from the displayed list.

"Map": To display the selected destination and the route preference. (See "Starting route guidance" on page 60.)

The current screen changes to the screen for inputting a house number or a street name. (See "(a) Inputting a house number and a street name" on page 43.)

DESTINATION SEARCH

SELECTING FROM THE NEAREST 5 CITIES

1. Touch “Nearest 5 Cities”.



2. Touch the button of the desired city name from the displayed list.

The current screen changes to the screen for inputting a house number or a street name. (See “(a) Inputting a house number and a street name” on page 43.)

SELECTING FROM THE LAST 5 CITIES



Touch the button of the desired city name.

If the navigation has never been used, no cities will be displayed on the screen.

The current screen changes to the screen for inputting a house number or a street name. (See “(a) Inputting a house number and a street name” on page 43.)

— Destination search by “POI”

There are two ways to search by POI (Points of Interest).

- (a) Search by name
- (b) Search by category

1. Push the “DEST” button.
2. Touch “POI” on the “Destination” screen.

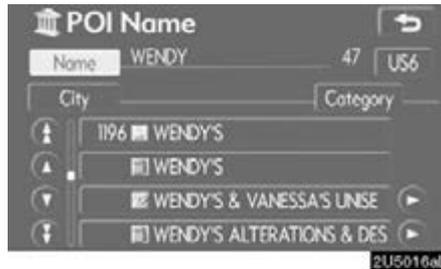


3. Touch the button for the desired method.

(a) Search by “Name”



1. Input the name of the Point of Interest.



2. Touch the button of the desired destination.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

When inputting the name of a specific Point of Interest, and there are two or more sites with the same name, the list screen is displayed.

DESTINATION SEARCH



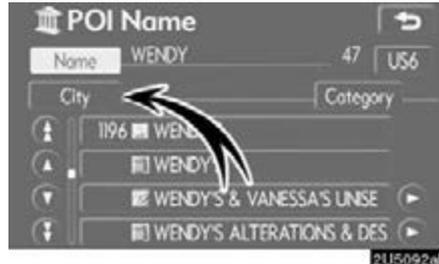
Touch the button of the desired destination.

If the same name exists in more than one city, a search can be performed more easily with “City” and “Category”. (See “Selecting a city to search” on page 48 and “Selecting from the categories” on page 50.)

INFORMATION

The desired Point of Interest can be displayed on the map screen. (See “Display POI icons” on page 78.)

● Selecting a city to search



Touch “City”.



To search by city, the following three methods are possible.

1. Input the city name
2. Select from the nearest 5 cities
3. Select from the last 5 cities

INFORMATION

- *To change the selected region, touch “Select Region”.*
- *To cancel the city setting, touch “Any City”.*

INPUTTING THE CITY NAME

1. Touch "Input City Name".



2. Input the city name.



3. Touch the button of the desired city name from the displayed list.

SELECTING FROM THE NEAREST 5 CITIES

1. Touch "Nearest 5 Cities".



2. Touch the button of the desired city name.

DESTINATION SEARCH

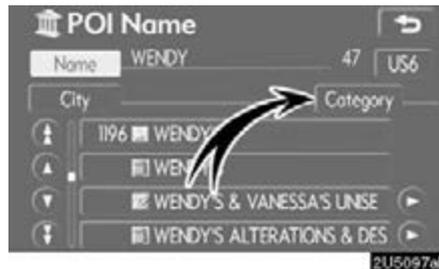
SELECTING FROM THE LAST 5 CITIES



Touch the button of the desired city name.

If the navigation has never been used, no cities will be displayed on the screen.

• Selecting from the categories

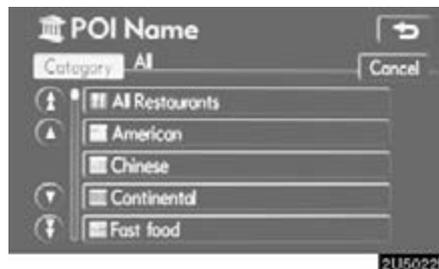


Touch "Category".



If the desired POI category is on the screen, touch the name to display a detailed list of the POI category.

If the desired POI category is not on the screen, touch "**List All Categories**" to list all POI categories.



When the desired category is touched, the POI name list screen is displayed.

(b) Search by “Category”

The destination can be set by selecting the search point and the POI category.



Set the search point by the following method:

1. Input the city center
2. Set the current position as the search point
3. Set the search point via the map screen
4. Set the search point from any destination

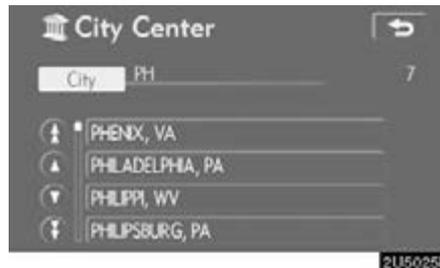
It is possible to display the names of POIs located within approximately 20 miles (32 km) from the selected search point.

INPUTTING THE CITY CENTER

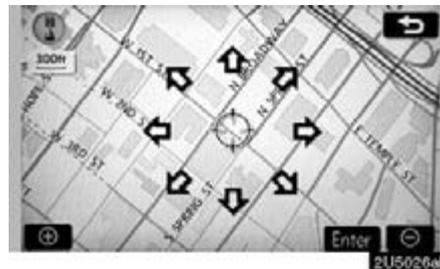
1. Touch “Input City Center”.



2. Input the city center name.



3. Touch the button of the desired city center name.



When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

4. Touch “Enter”.

The search point is set and the “POI Category” screen will be displayed.

DESTINATION SEARCH

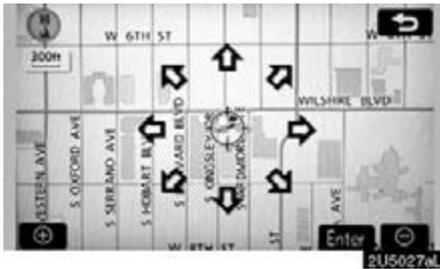
SETTING THE CURRENT POSITION AS THE SEARCH POINT

Touch “Current Position”.

The search point is set at the current position, and the “POI Category” screen will be displayed.

SETTING THE SEARCH POINT VIA THE MAP SCREEN

1. Touch “Map”.



When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

2. Touch “Enter”.

The search point is set and the “POI Category” screen will be displayed.

SETTING THE SEARCH POINT FROM DESTINATIONS

1. Touch the destination buttons at the bottom of the screen.



When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

2. Touch “Enter”.

The search point is set and the “POI Category” screen will be displayed.

- **To search POIs near the search point**

When the search point is set, the “POI Category” screen will be displayed.



Select the desired POI categories.

“**List**”: If the desired POI categories have already been selected, a list of POI will be displayed from among the selected categories.

The selected category icon appears on the top left of the screen.

If the desired POI category is not on the screen, touch “**List All Categories**” to list all POI categories.



Select the desired POI categories from the list and touch “OK”.

The selected category icon appears on the top left of the screen.



“**Select Category**”: To return to the POI category selection screen.

“**Show List**”: To display the list of POIs in the selected categories.



By touching the button of the desired item, the screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

The direction arrows of POIs are displayed only when the current position is set as the search point.

“**On Route**”: When the indicator is illuminated by touching this button, the list of the items searched along the route is displayed.

DESTINATION SEARCH

— Destination search by “Phone #”

1. Push the “DEST” button.
2. Touch “Phone #” on the “Destination” screen.



3. Input a telephone number.
4. After inputting a telephone number, touch “OK”.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

If there is more than one site having the same number, the following screen will be displayed.



INFORMATION

- *If there is no match for the telephone number inputted, a list of identical numbers with different area codes will be displayed.*
- *To set a memory point as a destination using the phone number, the number must be registered previously. (See page 99.)*

— Destination search by “Emergency”

1. Push the “DEST” button.
2. Touch “Emergency” on the “Destination” screen.

The display changes to a screen to select police stations, dealers, hospitals or fire stations. While driving, only nearby police stations, dealers, hospitals, or fire stations are shown. The current position is shown with an address, and the latitude and the longitude at the top of the screen.



3. Touch the desired emergency category.

The selected emergency category list is displayed.



4. Touch the button of the desired destination.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

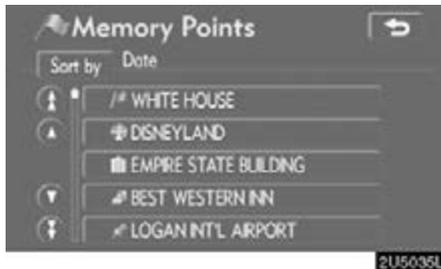
INFORMATION

The navigation system does not guide in areas where route guidance is unavailable. (See page 203.)

— Destination search by “Memory”

1. Push the “DEST” button.
2. Touch “Memory” on the “Destination” screen.

A list of registered memory points is displayed. (To register or edit memory points, see “My places” on page 92.)

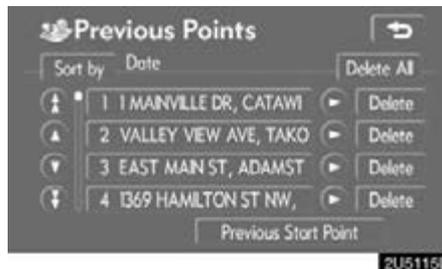


3. Touch the button of your desired memory point.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

— Destination search by “Previous”

1. Push the “DEST” button.
2. Touch “Previous” on the “Destination” screen.



The previous starting point and up to 100 previously set destinations are displayed on the screen.

3. Touch the button of the desired destination.

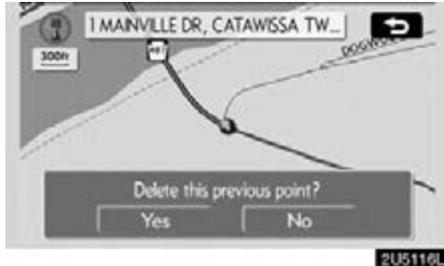
The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

DESTINATION SEARCH

- **Deleting previous points**

1. Touch “Delete” for the previous point button you want to delete.

“Delete All”: To delete all previous points in the system.



2. To delete the point, touch “Yes”. To cancel the deletion, touch “No”.

INFORMATION

The list of previous destinations can also be deleted by touching “Delete Previous Points” on the “My Places” screen when the vehicle is stopped. (See “ — Deleting previous points” on page 106.)

— Destination search by “Map”

1. Push the “DEST” button.
2. Touch “Map” on the second page of the “Destination” screen.



The screen changes and displays the map location that was previously displayed just before the destination input operation and the route preference. (See “Starting route guidance” on page 60.)

INFORMATION

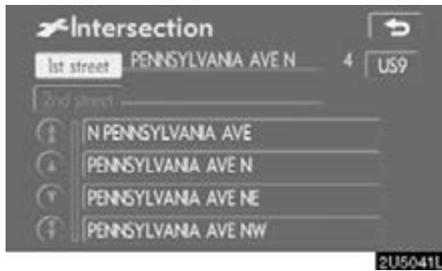
Guidance starts if “Enter” is touched even while driving. However, the cursor cannot be moved.

— Destination search by “Intersection”

1. Push the “DEST” button.
2. Touch “Intersection” on the second page of the “Destination” screen.

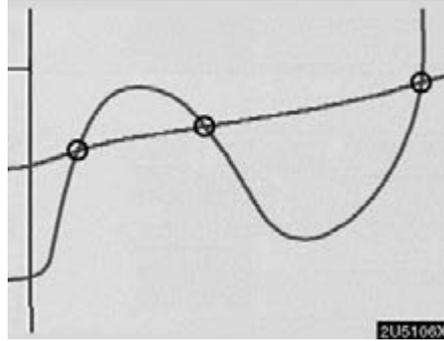


3. Input the name of the two intersecting streets which are located near the destination to be set.



4. Touch the button of the desired item.

After inputting the two intersecting streets, the screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)



If the same two streets cross at more than one intersection, the screen changes and displays the menu to select the city name where the streets intersect. Select the city, and the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

DESTINATION SEARCH

— Destination search by “Freeway Ent./Exit”

1. Push the “DEST” button.
2. To input a freeway entrance or exit, touch “Freeway Ent./Exit” on the second page of the “Destination” screen.



Be sure to use the complete name of the freeway or highway, including the hyphen, when entering the destination. Freeways and interstates use an “I” (I-405). US highways use the state designation before the number (CA-118).



3. Select the desired freeway by touching the button.



4. Either a freeway “Entrance” or “Exit” can be selected.



5. Touch the button of the desired entrance or exit name.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

“Input Name”: An applicable list is displayed by touching this button and inputting the name.

— Destination search by “Coordinates”

1. Push the “DEST” button.
2. Touch “Coordinates” on the second page of the “Destination” screen.



3. Input the latitude and the longitude.
4. When the input is finished, touch “OK”.

By touching the button of the desired point, the screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

— Deleting set destinations

A set destination can be deleted.

1. Push the “DEST” button.
2. Touch “Del. Dest.” on the “Destination” screen.

When more than one destination is set, a list will be displayed on the screen.



3. Touch the destination for deletion.
- “Delete All”: To delete all destinations on the list.



A message appears to confirm the request to delete.

4. To delete the destination(s), touch “Yes”.

If “Yes” is touched, the data cannot be recovered.

If “No” is touched, the previous screen will return.

DESTINATION SEARCH

5. If more than one destination is set, touch “OK” after deleting the destinations.

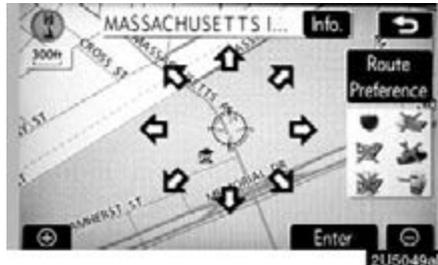
The system searches for the guidance route again, and displays the entire route.

INFORMATION

Set destinations can also be deleted by touching “Route”. (See “ — Deleting destinations” on page 73.)

Starting route guidance

After inputting the destination, the screen changes and displays the map location of the selected destination and the route preference.



1. When an arrow facing the desired point is touched, the map scrolls in that direction.

Releasing the finger from the arrow will stop the scrolling.

2. Touch “Enter”.

The system starts route search and displays recommended routes.

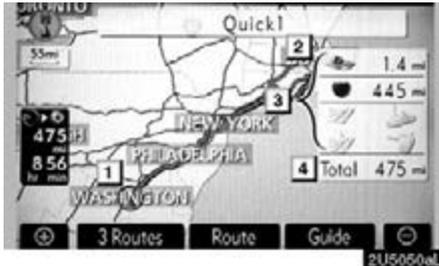
If there is already a set destination, “Add to 

“Add to 

“Replace 

“Route Preference””: To change the route preference. (See page 62.)

“Info.”: If this button is displayed on the top of the screen, touch it to view items such as name, address, and phone number.



- 1 Current position
- 2 Destination point
- 3 Type of the route and the distance
- 4 Distance of the entire route

3. To start guidance, touch "Guide".

"3 Routes": To select the desired route from three possible routes. (See page 62.)

"Route": To change the route. (See pages 72 and 74.)

INFORMATION

- *Guidance can be suspended or resumed. (See "Suspending and resuming guidance" on page 88.)*
- *If "Guide" is touched until a beep sounds, demo mode will start. Push the "MAP/VOICE" button to finish Demo mode.*
- *The route for returning may not be the same as that for going.*
- *The route guidance to the destination may not be the shortest route nor a route without traffic congestion.*
- *Route guidance may not be available if there is no road data for the specified location.*
- *When setting the destination on a map with a scale larger than 0.5 miles (800m), the map scale changes to 0.5 miles (800m) automatically. Set the destination again.*
- *If a destination is entered, the road nearest to the point you selected is set as the destination.*

CAUTION

Be sure to obey traffic regulations and keep road conditions in mind while driving. If a traffic sign on the road has been changed, the route guidance may provide incorrect information.

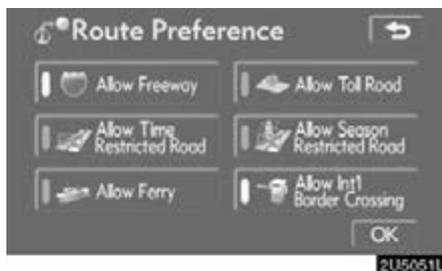
DESTINATION SEARCH

- To change the route before starting guidance

ROUTE PREFERENCE



1. You can change route preference by touching "Route Preference".



2. Select the desired route preference by touching the button.

When searching for a route, the system will avoid routes when the indicator is off.

3. After choosing the desired route preference, touch "OK".

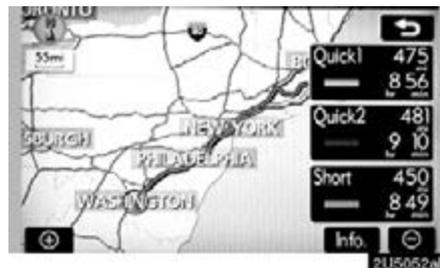
INFORMATION

- Even if the "Allow Freeway" indicator is dimmed, the route cannot avoid including a freeway in some cases.
- If the calculated route includes a trip by ferry, the route guidance shows a sea route. After you travel by ferry, the current vehicle position may be incorrect. Upon reception of GPS signals, it is automatically corrected.

3 ROUTES SELECTION



1. To select the desired route from three routes, touch "3 Routes".



2. Touch "Quick1", "Quick2" or "Short" to select the desired route.

"Quick1": Recommended route.

This route is indicated by an orange line.

"Quick2": Alternative route.

This route is indicated by a purple line.

"Short": A route by which you can reach the destination in the shortest distance.

This route is indicated by a green line.

"Info.": To display the following information about each of the 3 routes.

DESTINATION SEARCH

	Quick1	Quick2	Short
1	7h 59min	9h 36min	7h 58min
2	438miles	527miles	435miles
3	171miles	67miles	171miles
4	434miles	521miles	429miles
5			

215096at

- 1 Time necessary for the entire trip
- 2 Distance of the entire trip
- 3 Toll road
- 4 Freeway
- 5 Ferry

DESTINATION SEARCH

SECTION 3

ROUTE GUIDANCE

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*: Point of Interest

ROUTE GUIDANCE

Route guidance screen

During route guidance, various types of guidance screens can be displayed depending on conditions.

- **Screen layout**



- 1 Distance to the next turn and the arrow indicating turning direction
- 2 Current street name
- 3 Distance and travel/arrival time to the destination
- 4 Current position
- 5 Guidance route

INFORMATION

- *If the vehicle goes off the guidance route, the route is searched again.*
- *For some areas, the roads have not been completely digitized in our database. For this reason, the route guidance may select road that should not be traveled on.*
- *When you arrive at your destination, the destination name will be displayed on the top of the screen. Touching "OFF" clears the display.*

- **During freeway driving**

During freeway driving, the freeway exit information screen will be displayed.

This screen displays the distance to the next junction and exit, or POIs in the vicinity of the freeway exit.



- 1 Current position
- 2 Points of Interest that are close to a freeway exit
- 3 Exit number and junction name
- 4 Distance from the current position to the exit or junction
- 5 Current street name

: To display the selected map of the exit vicinity.

: To scroll for farther junctions or exits.

: To scroll for closer junctions or exits.

: To scroll for the closest three junctions or exits.

- **When approaching a freeway exit or junction**

When the vehicle approaches an exit or junction, the guidance screen for the freeway will be displayed.



- 1 Road/area name
- 2 Distance from the current position to the exit or junction
- 3 Current position

“OFF”: The guidance screen on freeway disappears and the map screen appears.

When touching  or pushing the “MAP/VOICE” button, the guidance screen on freeway reappears.

- **When approaching an intersection**

When the vehicle approaches an intersection, the intersection guidance screen will be displayed.



- 1 Next street name
- 2 Distance to the intersection
- 3 Current position

“OFF”: The intersection guidance screen disappears and the map screen appears.

When touching  or pushing the “MAP/VOICE” button, the intersection guidance screen reappears.

ROUTE GUIDANCE

- **Other screens**

TURN LIST SCREEN

On this screen, the list of turns on the guidance route can be viewed.

Touching  during guidance displays the turn list.



- 1 Next street name or destination name
- 2 Turn direction
- 3 Distance between turns
- 4 Current street name

ARROW SCREEN

On this screen, information about next turns on the guidance route can be viewed.

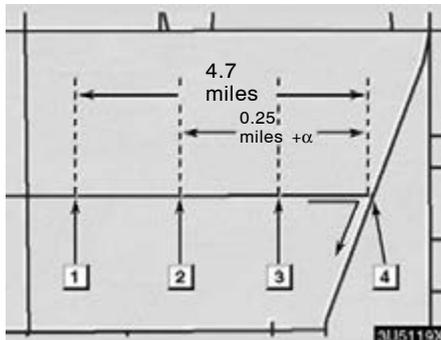
Touching  during guidance displays the arrow screen.



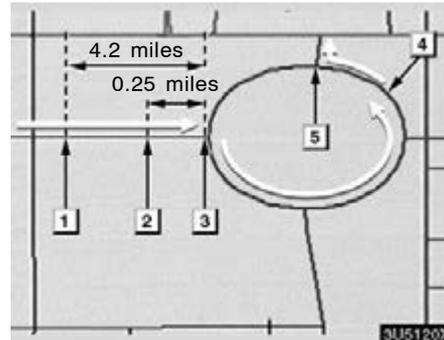
- 1 Exit number, street name containing number or next street name
- 2 Turn direction
- 3 Distance to the next turn
- 4 Current street name

Typical voice guidance prompts

The voice guidance provides various messages as you approach an intersection, or other point where you need to maneuver the vehicle.



- 1 "Proceed about 5 miles."
- 2 "In a quarter of a mile, right turn."
- 3 "Right turn."
- 4 (Beep sound only)

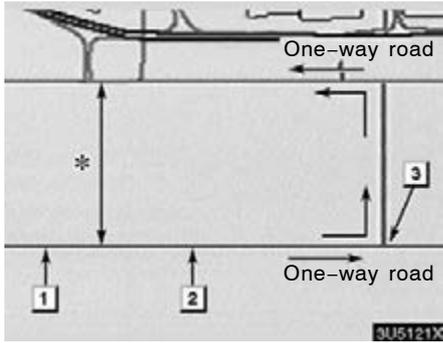


- 1 "Proceed about 4 miles to the traffic circle."
- 2 "In a quarter of a mile, traffic circle ahead, and then 3rd exit ahead."
- 3 "The 3rd exit ahead."
- 4 "The exit ahead."
- 5 (Beep sound only)

INFORMATION

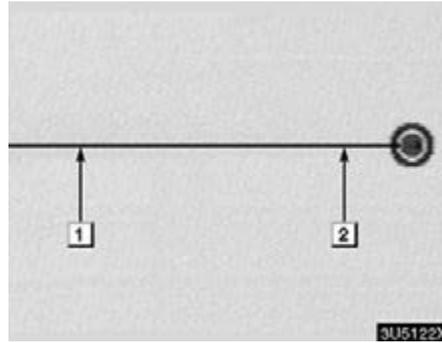
On freeways, interstates or other highways with higher speed limits, the voice guidance will be made at earlier points than on city streets in order to allow time to maneuver.

ROUTE GUIDANCE



*: The system indicates a U-turn if the distance between two one-way roads (of opposite directions) is less than 50 feet (15 m) in residential areas or 164 feet (50 m) in non-residential areas.

- 1  "In half of a mile, make a legal U-turn."
- 2  "Make a legal U-turn ahead."
- 3  (Beep sound only)



The system announces the approach to the final destination.

- 1  "Your destination is ahead."
- 2  "You have arrived at your destination. The route guidance is now finished."

INFORMATION

- *If the system cannot determine the current vehicle position correctly (in cases of poor GPS signal reception), the voice guidance may be made early or delayed.*
- *If you did not hear the voice guidance command, push the "MAP/VOICE" button to hear it again.*
- *To adjust the voice guidance volume, see "Volume" on page 89.*

Distance and time to destination



When the vehicle is on the guidance route, the distance and the estimated travel/arrival time to the destination are displayed. When the vehicle is not on the guidance route, the distance and the direction of the destination are displayed.

When driving on the guidance route and more than one destination is set, the distance and the estimated travel/arrival time from the current position to each destination are displayed.

1. Touch the button indicated by the arrow to display the following screen.



2. Touch the number button to display the desired destination.

The distance, the estimated travel time and the estimated arrival time from the current position to the selected destination are displayed.



Estimated travel time is displayed.



Estimated arrival time is displayed.



To switch to estimated arrival time.



To switch to estimated travel time.



Displayed while driving off the guidance route. The destination direction is indicated by an arrow.

INFORMATION

When the vehicle is on the guidance route, the distance measured along the route is displayed. Travel time and arrival time is calculated based on the set vehicle speed information. (See page 107.) However, when the vehicle is not on the guidance route, the distance is the linear distance between the current position and the destination.

ROUTE GUIDANCE

Setting and deleting destination — — Adding destinations

Adding destinations and searching again for the routes can be done.

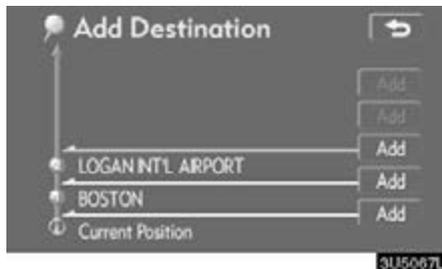


1. Touch “Route”.



2. Touch “Add”.

3. Input an additional destination in the same way as the destination search. (See “Destination search” on page 39.)



4. Touch the desired “Add” to determine the arrival order of the additional destination.

— Reordering destinations

When more than one destination is set, you can change the arrival order of the destinations.



1. Touch “Route”.



2. Touch “Reorder”.



3. Select the destination in the order of arrival by touching the destination button.

Reordered number of arrival is displayed on the right side of the screen.

Touching “Undo” will cancel each selected order number from the previously input number.

— Deleting destinations

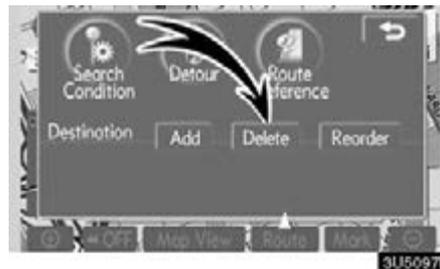
4. After selecting the destinations, touch “OK”.

The system searches for the guidance route again, and displays the entire route. Even if “OK” is not touched, the entire route is displayed automatically within a few seconds when the order is fixed.

A set destination can be deleted.

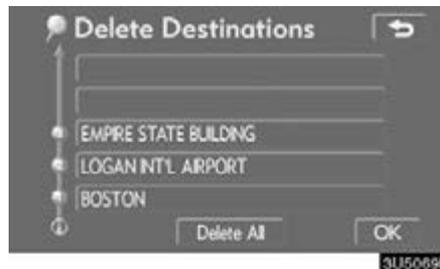


1. Touch “Route”.



2. Touch “Delete”.

When more than one destination is set, a list will be displayed on the screen.



3. Touch the destination for deletion.

“Delete All”: To delete all destinations on the list.

A message appears to confirm the request to delete.

ROUTE GUIDANCE

4. To delete the destination(s), touch “Yes”.

If “Yes” is touched, the data cannot be recovered.

If “No” is touched, the previous screen will return.

5. If more than one destination is set, touch “OK” after deleting the destinations.

The system searches for the guidance route again, and displays the entire route.

Setting route — — Search condition

You can designate the route conditions of the route to the destination.



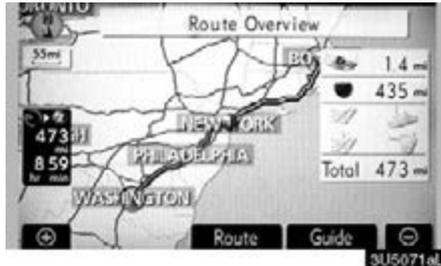
1. Touch “Route”.



2. Touch “Search Condition”.



3. Touch “Quick”, “Quick1”, “Quick2” or “Short” and touch “OK”.



The entire route from the starting point to the destination is displayed.

“**Guide**”: To start guidance.

“**Route**”: To change a route. (See pages 72 and 74.)

— Detour setting

While the route guidance is operating, you can change the route to detour around a section of the route where a delay is caused by road repairs, or an accident, etc.



1. Touch “Route”.



2. Touch “Detour”.

ROUTE GUIDANCE

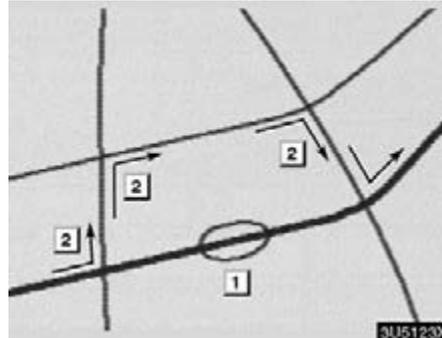


3. Select the button below to select the desired detour distance.

“1 mile (km)”, “3 miles (km)” or “5 miles (km)”: Touch one of these buttons to start the detour process. After detouring, the system returns to the original guidance route.

“Whole Route”: By touching this button, the system will calculate an entire new route to the destination.

“Around Traffic”: If you touch this button, the system will search for the route based on the traffic congestion information received from XM® NavTraffic. For details, see “XM® NavTraffic” on page 116.



This picture shows an example of how the system would guide around a delay caused by a traffic jam.

- 1 This position indicates the location of a traffic jam caused by road repairs or an accident.
- 2 This route indicates the detour suggested by the system.

INFORMATION

- *When your vehicle is on a freeway, the detour distance selections are 5, 15, and 25 miles (km).*
- *The system may not be able to calculate a detour route depending on the selected distance and surrounding road conditions.*

— Route preference

A number of choices are provided on the conditions which the system uses to determine the route to the destination.



1. Touch “Route”.



2. Touch “Route Preference” to change the conditions that determine the route to the destination.



3. Select the desired route preference by touching the button.

When searching for a route, the system will avoid routes when the indicator is off.

4. After choosing the desired route preference, touch “OK”.

— Starting route from adjacent road

You can start the route guidance from the adjacent road.

(ex. When route guidance is set on the freeway, but the vehicle is driven parallel along the freeway.)



1. Touch “Route”.



2. Touch “Start from Adjacent Road”.

When there is no adjacent road, this button will not be displayed.

Map view — — Display POI icons

Points of Interest such as gas stations and restaurants can be displayed on the map screen. You can also set their location as a destination and use them for route guidance.



1. Touch “Map View”.



2. Touch “Display POI Icon” to display a particular type of Point of Interest on the screen.



A screen with a limited choice of Points of Interest will be displayed. (To change the displayed POI, see page 110.)

- **Selecting POIs to be displayed**

Up to 5 categories of icons can be displayed on the screen.



Touch the desired Point of Interest category to display POI location symbols on the map screen.

By selecting the desired POI category and then touching “OK”, the selected POI icons are displayed on the map screen.

To turn off the Points of Interest icon on the map screen, touch “Delete”.

“Other POIs”: If the desired Point of Interest can not be found on the limited choice screen, touch this button.

“Local POI List”: When searching for the nearest Point of Interest, touch this button. Then choose one of the categories. The system will list the points within 20 miles (32 km). (See page 80.)

Touch “Other POIs” on the “Display POI icons” screen.

When a Point of Interest category is selected from either the limited list or the complete list, the screen will display symbols of those locations on the map screen.



Select the desired POI categories.

The selected category icon appears on the top left of the screen.

By selecting the desired POI category and then touching “OK”, the selected POI icons are displayed on the map screen.

If the desired POI category is not on the screen, touch “**List All Categories**” to list all POI categories.



Select the desired POI categories from the list.

The selected category icon appears on the top left of the screen.

By selecting the desired POI category and then touching “OK”, the selected POI icons are displayed on the map screen.

To return to the POI category selection screen, touch “**More**”.

ROUTE GUIDANCE

- **To display the local POI list**

Points of Interest that are within 20 miles (32 km) of the current position will be listed from among the selected categories.



1. Touch “Local POI List” on the “Display POI icons” screen.



2. Touch the button of the desired Point of Interest.

The selected Points of Interest are displayed on the map screen.

“On Route”: When the indicator is illuminated by touching this button, the list of the items searched along the route is displayed.

- **To set a POI as a destination**

You can select one of the Points of Interest icons on the map screen as a destination and use it for route guidance.



1. Directly touch the Point of Interest icon that you want to set as a destination.

The map will shift so that the icon is centered on the screen and overlaps with the cursor. At this time, the distance from the current position is displayed on the screen. The distance shown is measured as a straight line from the current vehicle position to the POI.

2. When the desired Point of Interest overlaps with the cursor, touch “Enter”.

The screen changes and displays the map location of the selected destination and route preference. (See “Starting route guidance” on page 60.)

— Route overview



1. Touch “Map View”.



2. Touch “Route Overview”.



The entire route from the current position to the destination is displayed.

“**Guide**”: To start guidance.

“**Route**”: To change the route. (See pages 72 and 74.)

“**Turn List**”: The following screen displays the list of the roads up to the destination.



You can scroll through the list of roads by touching or . However, not all road names in the route may appear on the list. If a road changes its name without requiring a turn (such as on a street that runs through two or more cities), the name change will not appear on the list. The street names will be displayed in order from the starting point, along with the distance to the next turn.

These marks indicate the direction in which you should turn at an intersection.

Touch “Map” on the “Turn List” screen.

The point which you choose is displayed on the map screen.



ROUTE GUIDANCE

— Route preview



1. Touch “Map View”.



2. Touch “Route Preview”.



-  : To indicate the next destination.
-  : To preview the route to the next destination.
-  : To preview the route to the next destination in fast-forward mode.
-  : To stop the preview.
-  : To review the route to the previous destination or starting point.
-  : To review the route to the previous destination or starting point in fast-forward mode.
-  : To indicate the previous destination or starting point.

— Route trace

It is possible to store the traveled route up to 124 miles (200 km) and retrace the route on the display.

INFORMATION
This feature is available on the map with more detailed map scale than 30 mile (50 km).



Touch "Map View".



“Record”: To start recording the route trace.

“Stop”: To stop recording the route trace. If you touch “Stop” to display the following screen.



Touching “Yes” stops recording and the route trace remains displayed on the screen.

Touching “No” stops recording and the route trace is erased.

ROUTE GUIDANCE

SECTION 4

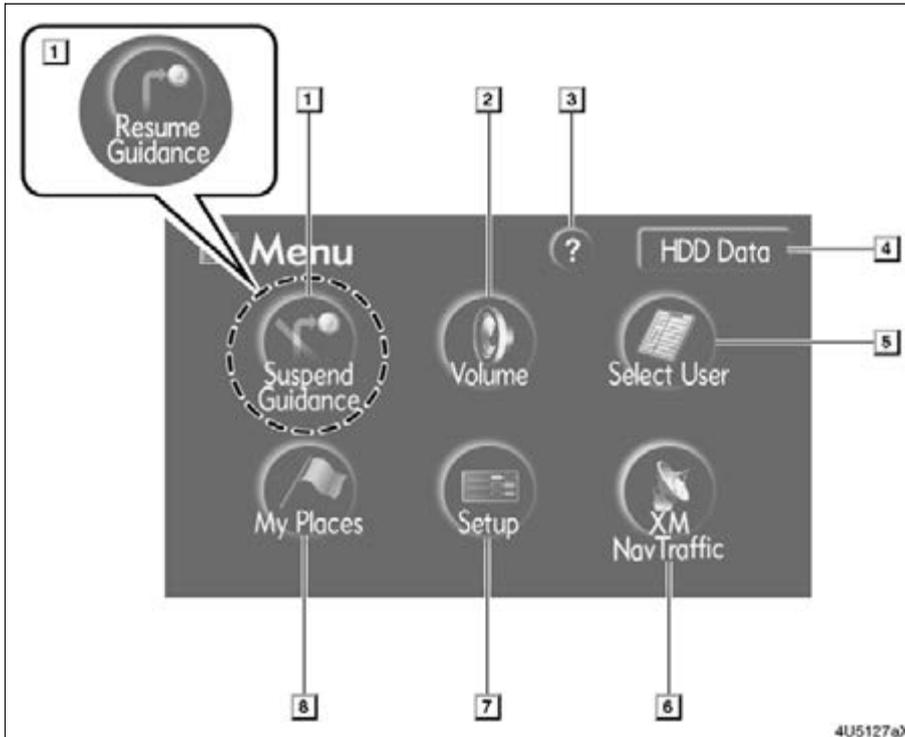
ADVANCED FUNCTIONS

Descriptions of functions for more effective use

- Quick reference (“Menu” screen) 86
- Quick reference (“Setup” screen) 87
- Suspending and resuming guidance 88
- Volume 89
- User selection 90
- **My places** 92
 - Registering memory points 93
 - Editing memory points 94
 - Deleting memory points 99
 - Registering home 100
 - Deleting home 101
 - Registering area to avoid 101
 - Editing area to avoid 102
 - Deleting area to avoid 105
 - Deleting previous points 106
- Setup 106
- XM® NavTraffic 116

Quick reference (“Menu” screen)

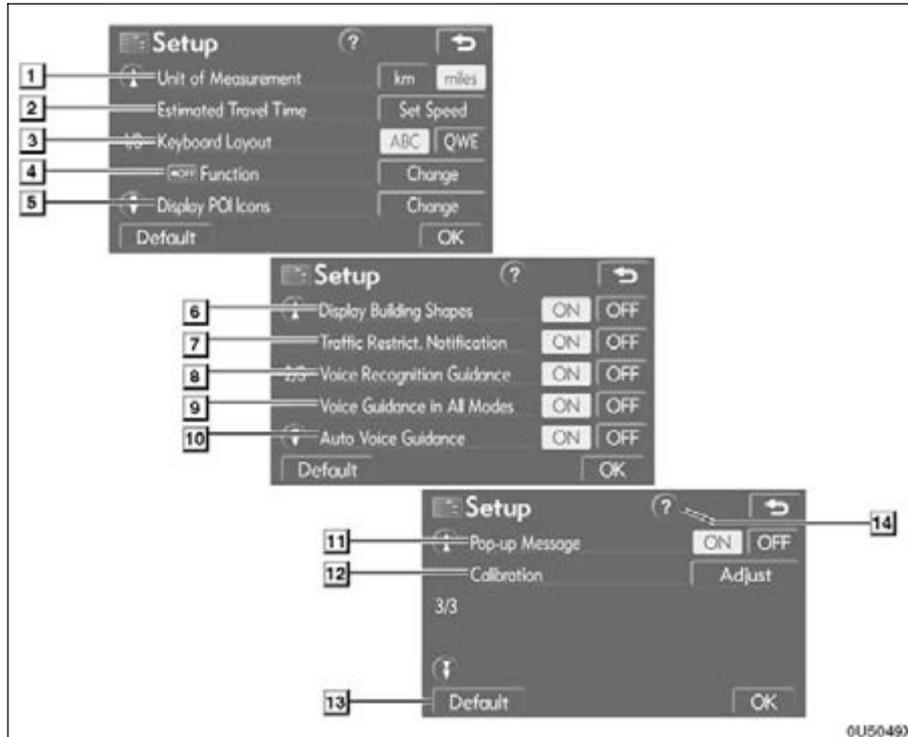
The “Menu” screen allows effective use of the navigation system. To display the “Menu” screen, push the “MENU” button.



<p>1 “Suspend Guidance” and “Resume Guidance” Suspends or resumes guidance. 88</p> <p>2 “Volume” Sets the volume for voice guidance. 89</p> <p>3 “?” Function help for the “Menu” screen can be viewed on this screen. 27</p> <p>4 “HDD Data” Displays information regarding the map data and CDDB version or covered area. 204</p>	<p>5 “Select User” Up to 3 different settings for different users can be memorized. 90</p> <p>6 “XM NavTraffic” Sets XM® NavTraffic information. 116</p> <p>7 “Setup” Enables various settings for the navigation system. 87, 106</p> <p>8 “My Places” Enables changes to “Memory points”, “Home” and “Areas to avoid”. Enables deletion of the previous point. 92</p>
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Quick reference (“Setup” screen)

The items shown on the “Setup” screen can be set. To display the “Setup” screen, push the “MENU” button and touch “Setup”.



- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1 “Unit of Measurement”
The distance units “km” or “miles” can be selected. 107</p> <p>2 “Estimated Travel Time”
The system to display the travel time and the arrival time to the destination on the route guidance screen can be set. 107</p> <p>3 “Keyboard Layout”
Key layout can be changed. 108</p> <p>4 “ Function”
The choice whether to display each touch-screen button and current street name on the map screen can be set. 109</p> | <p>5 “Display POI Icons”
A selection of 6 icons displayed on the “Display POI Icons” top screen is possible. 110</p> <p>6 “Display Building Shapes”
Selection of either “ON” or “OFF” to display the building shape on the map screen is possible. 111</p> <p>7 “Traffic Restrict. Notification”
Notification of seasonal restrictions can be selected. 111</p> <p>8 “Voice Recognition Guidance”
Voice recognition guidance can be set. 112</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- 9 “Voice Guidance in All Modes”
Voice guidance can be set in all modes. 112
- 10 “Auto Voice Guidance”
Automatic voice guidance can be set. 113
- 11 “Pop-up Message”
Selection of either “ON” or “OFF” to display the pop-up message is possible. 113
- 12 “Calibration”
Adjustment of the current vehicle position mark can be done manually. 114
- 13 “Default”
This touch-screen button initializes all of the settings. 106
- 14 “?”
Function help for the “Setup” screen can be viewed. 27

Suspending and resuming guidance

- To suspend guidance



1. Push the “MENU” button.



2. Touch “Suspend Guidance”.

INFORMATION

Without route guidance, “Suspend Guidance” cannot be used.



The screen will return to the current position map without route guidance.

● **To resume guidance**

1. Push the “MENU” button.



2. Touch “Resume Guidance”.



The screen will change to the current position map with route guidance.

Volume

The voice guidance volume can be adjusted or switched off.



1. Push the “MENU” button.



2. Touch “Volume”.



To adjust the volume, select the desired level by touching the appropriate number.

If voice guidance is not needed, touch “OFF” to disable the feature.

When selected the number or “OFF” will be highlighted.

3. Touch “OK” to confirm your selection.

ADVANCED FUNCTIONS

INFORMATION

During route guidance, the voice guidance continues even if the navigation screen is changed to other screens.

“Adaptive Volume Control”: By turning “Adaptive Volume Control” on, the volume is turned up automatically when the vehicle speed exceeds 50 mph (80 km/h).

To turn the “Adaptive Volume Control” system on, touch the button. The indicator will be highlighted.

User selection

The system can memorize the following settings for up to three users.

- Map direction
- Map scale
- Map configuration
- Guidance mode
- Setup
- Volume
- Language
- Route trace
- Travel time/arrival time
- Right screen of dual map
- Route preference
- Maintenance notification

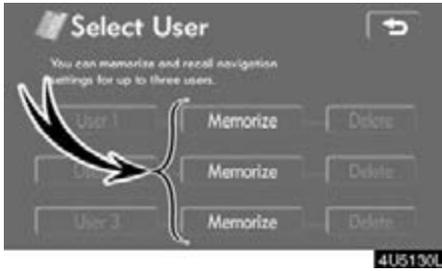


1. Push the “MENU” button.



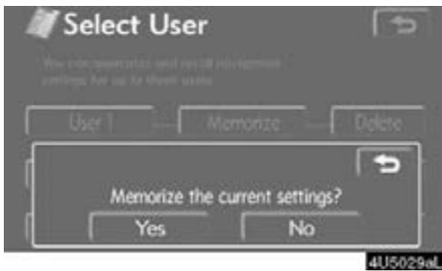
2. Touch “Select User”.

- To register



1. Touch “Memorize”.

The confirmation screen will be displayed.



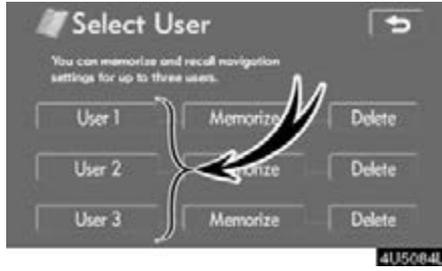
2. To register, touch “Yes”. To return to the previous screen, touch “No” or .

When a button that is already registered is touched, the following screen appears.



To replace, touch “Yes”. To cancel the replacement, touch “No” or .

- To change user



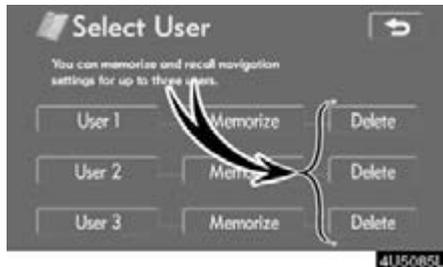
Touch “User number”.



The above message appears, then the map screen will be displayed.

ADVANCED FUNCTIONS

- To delete user



1. Touch "Delete".

The confirmation screen will be displayed.



2. To delete, touch "Yes". To return to the previous screen, touch "No" or



My places —

Points or areas on the map can be registered.

The registered points can be used on the "Destination" screen. (See " — Destination search by Home" on page 42, " — Destination search by Quick access" on page 42 and " — Destination search by Memory" on page 55.)

Registered areas are avoided at the time of route search.



1. Push the "MENU" button.



2. Touch "My Places".

— Registering memory points

1. Push the “MENU” button.
2. Touch “My Places” on the “Menu” screen.



On this screen, the following operations can be performed.

1. **Registers memory points**
(See “ — Registering memory points” on page 93.)
2. **Edits memory points**
(See “ — Editing memory points” on page 94.)
3. **Deletes memory points**
(See “ — Deleting memory points” on page 99.)
4. **Registers or deletes home**
(See “ — Registering home” on page 100 or “ — Deleting home” on page 101.)
5. **Registers areas to avoid**
(See “ — Registering area to avoid” on page 101.)
6. **Edits areas to avoid**
(See “ — Editing area to avoid” on page 102.)
7. **Deletes areas to avoid**
(See “ — Deleting area to avoid” on page 105.)
8. **Deletes previous points**
(See “ — Deleting previous points” on page 106.)
9. **Number of remaining memory points**
10. **Number of remaining areas to avoid**



3. Touch “Register”.



4. **Enter the location in the same way as for a destination search.** (See “Destination search” on page 39.)

After memory point registration is completed, the “Memory Point” screen will be displayed.

ADVANCED FUNCTIONS



5. Touch "OK".

To edit registered information, see " — Editing memory points" on page 94.

INFORMATION

Up to 106 memory points can be registered.

— Editing memory points

The icon, attribute, name, location and/or telephone number of a registered memory point can be edited.

1. Push the "MENU" button.
2. Touch "My Places" on the "Menu" screen.



3. Touch "Edit".



4. Touch the desired memory point button.



5. Touch the button to be edited.

“**Icon**” : To select icons to be displayed on the map. (See page 95.)

“**Quick Access**” : To set an attribute. Memory points with a set attribute can be used as a “Quick access” or “Home” button. (See page 96.)

“**Name**” : To edit memory point names. The names can be displayed on the map. (See page 97.)

“**Location**” : To edit location information. (See page 98.)

“**Phone #**” : To edit telephone numbers. (See page 99.)

6. Touch “OK”.

● **To change “Icon”**

1. Touch “Icon” on the “Memory Point” screen.



2. Touch the desired icon.

Turn the page by touching “**Page 1**”, “**Page 2**” or “**with Sound**”.

ADVANCED FUNCTIONS

SOUND ICONS

When the vehicle approaches the memory point, the selected sound will be heard.

1. Touch “with Sound” on the “Change Icon” screen.



2. Touch the desired sound icon.

The next screen appears when “Bell (with Direction)” is touched.



Touch either  or  to adjust the direction. Touch “Enter”.

The bell sounds only when the vehicle approaches this point in the direction that has been set.

- To change “Quick Access”

It is possible to change attributes of the quick access points. Memory points with a set attribute can be used as a “Quick Access” or “Home” touch-screen button. (See “ — Destination search by Home” on page 42 and “ — Destination search by Quick access” on page 42.)

1. Touch “Quick Access” on the “Memory Point” screen.



2. Touch the desired attribute.

It is possible to replace a registered attribute.

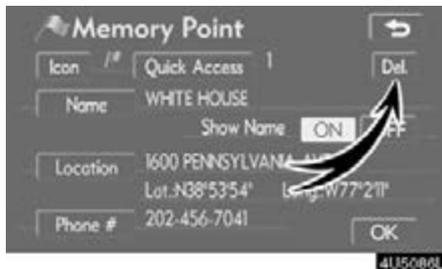


3. To replace the attribute, touch “Yes”. To return to the previous screen, touch “No” or .

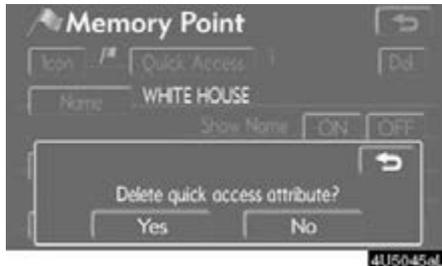
INFORMATION

One “Home” and five “Quick Access” can be set.

DELETING “Quick Access”



1. Touch “Del.”.



2. To delete an attribute, touch “Yes”.
To return to the previous screen, touch “No” or .

● To change “Name”

1. Touch “Name” on the “Memory Point” screen.



2. Enter the name using the alphanumeric keys.

Up to 24 letters can be entered.

3. Touch “OK”.

The previous screen will be displayed.

ADVANCED FUNCTIONS

DISPLAYING MEMORY POINT NAMES

The name of a memory point that may be displayed on the map can be set.



To show the name, touch "ON" on the "Memory Point" screen. To not show it, touch "OFF".

- To change "Location"

1. Touch "Location" on the "Memory Point" screen.



2. Touch the eight directional touch-screen button to move the cursor to the desired point on the map.

3. Touch "Enter".

The previous screen will be displayed.

- To change “Phone #” (telephone number)

1. Touch “Phone #” on the “Memory Point” screen.



2. Enter the number using number keys.

3. Touch “OK”.

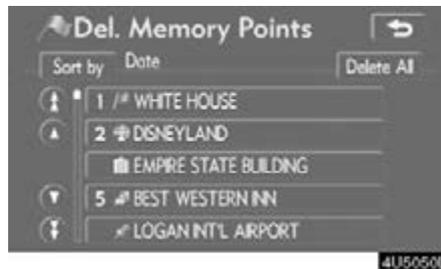
The previous screen will be displayed.

— Deleting memory points

1. Push the “MENU” button.
2. Touch “My Places” on the “Menu” screen.



3. Touch “Delete”.



4. Touch the button to be deleted.

“Delete All”: To delete all memory points in the system.

5. To delete the memory point, touch “Yes”. To cancel the deletion, touch “No”.

ADVANCED FUNCTIONS

— Registering home

If home has been registered, that information can be recalled by using the “Home” touch-screen button on the “Destination” screen. (See “ — Destination search by Home” on page 42.)

1. Push the “MENU” button.
2. Touch “My Places” on the “Menu” screen.



3. Touch “Register”.



4. Enter the location in the same way as for a destination search. (See “Destination search” on page 39.)

When registration of home is completed, the “Memory Point” screen will be displayed.



5. Touch “OK”.

To edit registered information, see “ — Editing memory points” on page 94.

— Deleting home

1. Push the “MENU” button.
2. Touch “My Places” on the “Menu” screen.



3. Touch “Delete”.
4. To delete home, touch “Yes”. To cancel the deletion, touch “No”.

— Registering area to avoid

Areas you want to avoid because of traffic jams, construction work or other reasons can be registered as areas to avoid.

1. Push the “MENU” button.
2. Touch “My Places” on the “Menu” screen.



3. Touch “Register”.



4. Enter the location in the same way as for a destination search, or display the map of the area to be avoided. (See “Destination search” on page 39.)



5. Touch the eight directional touch-screen button to move the cursor to the desired point on the map.
6. Touch “Enter”.

ADVANCED FUNCTIONS



7. Touch either  or  to change the size of the area to be avoided.

8. Touch “OK”.

INFORMATION

- If a destination is input in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to be avoided may be shown.
- Up to 10 locations can be registered as points/areas to avoid. If there are 10 locations already registered, the following message will be displayed: “Unable to register additional points. Perform operation again after deleting unnecessary points.”

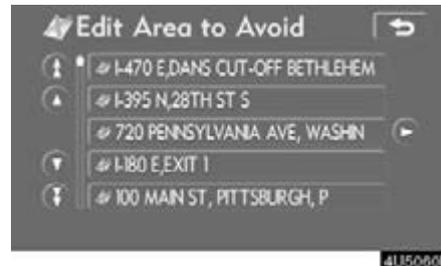
— Editing area to avoid

The name, location and/or area size of a registered area can be edited.

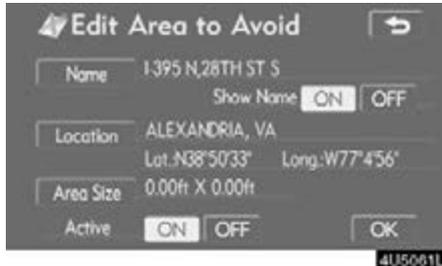
1. Push the “MENU” button.
2. Touch “My Places” on the “Menu” screen.



3. Touch “Edit”.



4. Touch the desired area button.



5. Touch the button to be edited.

“Name”: To edit the name of the area to avoid. The names can be displayed on the map. (See page 103.)

“Location”: To edit area location. (See page 104.)

“Area Size”: To edit area size. (See page 105.)

“Active”: To turn on or off the area to avoid feature. To turn on the feature touch **“ON”** on the “Edit Area to Avoid” screen. To turn off the feature touch **“OFF”** on the “Edit Area to Avoid” screen.

6. Touch “OK”.

● **To change “Name”**

1. Touch “Name” on the “Edit Area to Avoid” screen.



2. Enter the name using alphanumeric keys.

Up to 24 letters can be entered.

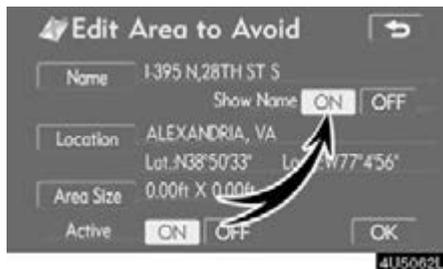
3. Touch “OK”.

The previous screen will be displayed.

ADVANCED FUNCTIONS

DISPLAYING NAMES OF AREAS TO BE AVOIDED

The name of an area to be avoided that may be displayed on the map can be set.



To show the name, touch “ON” on the “Edit Area to Avoid” screen. To not show it, touch “OFF”.

- To change “Location”

1. Touch “Location” on the “Edit Area to Avoid” screen.



2. Touch the eight directional touch-screen button to move the cursor  to the desired point on the map.

3. Touch “Enter”.

The previous screen will be displayed.

● To change “Area Size”

1. Touch “Area Size” on the “Edit Area to Avoid” screen.



2. Touch either  or  to change the size of the area to be avoided.

3. Touch “OK”.

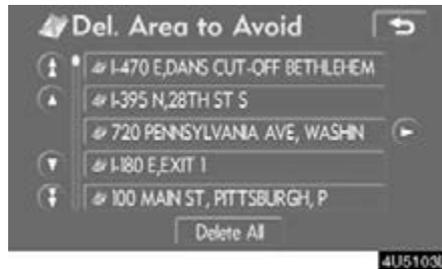
The previous screen will be displayed.

— Deleting area to avoid

1. Push the “MENU” button.
2. Touch “My Places” on the “Menu” screen.



3. Touch “Delete”.



4. Touch the button to be deleted.

“Delete All”: To delete all registered areas to avoid in the system.

5. To delete the area, touch “Yes”. To cancel the deletion, touch “No”.

ADVANCED FUNCTIONS

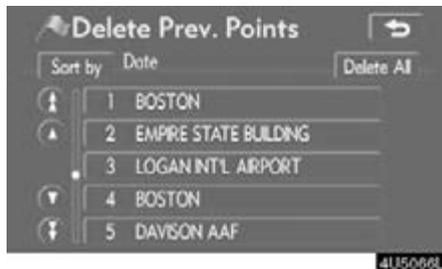
— Deleting previous points

The previous destination can be deleted.

1. Push the “MENU” button.
2. Touch “My Places” on the “Menu” screen.



3. Touch “Delete Previous Points”.



4. Touch the button you want to delete. “Delete All”: To delete all previous points in the system.



5. To delete the point, touch “Yes”. To cancel the deletion, touch “No”.

Setup

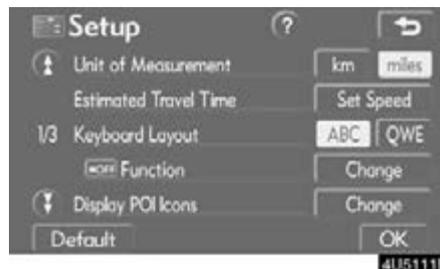
Setting the items shown on the “Setup” screen can be done. (See page 87.)



1. Push the “MENU” button.



2. Touch “Setup”.



3. Touch the items to be set.

4. Touch “OK”.

The previous screen will be displayed.

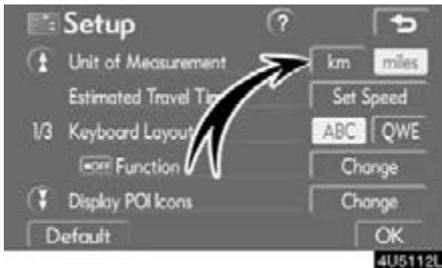
INFORMATION

To reset all setup items, touch “Default”.

● **Unit of Measurement**

Unit of measurement can be changed.

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.



3. Touch “km” or “miles” of “Unit of Measurement” to choose the distance unit.

The selected button is highlighted.

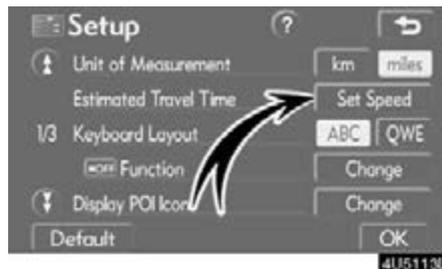
4. Touch “OK”.

INFORMATION
<i>This function is available only in English or Spanish. To switch language, see “Selecting a language” on page 199.</i>

● **Estimated travel time**

The speed that is used for the calculation of the estimated travel time and the estimated arrival time can be set.

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.



3. Touch “Set Speed” of the “Estimated Travel Time”.



4. Touch or to set the average vehicle speeds for “Residential”, “Main street”, and “Freeway”.

To set the default speeds, touch “Default”.

5. After setting of the desired speeds is completed, touch “OK”.

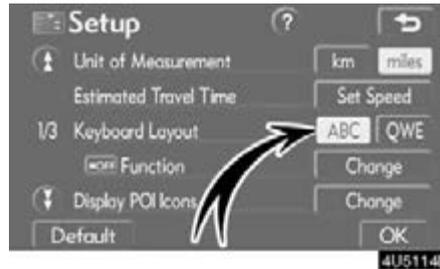
INFORMATION

- *The displayed time to the destination is the approximate driving time that is calculated based on the selected speeds and the actual position along the guidance route.*
- *The time shown on the screen may vary greatly depending on progress along the route, which may be affected by road conditions such as traffic jams, and construction work.*
- *It is possible to display up to 99 hours 59 minutes.*

- **Input key layout**

Key layout can be changed.

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.



3. Touch “ABC” or “QWE” of “Keyboard Layout” to choose the input key layout.

LAYOUT TYPE



▶ “ABC” type



▶ “QWE” type

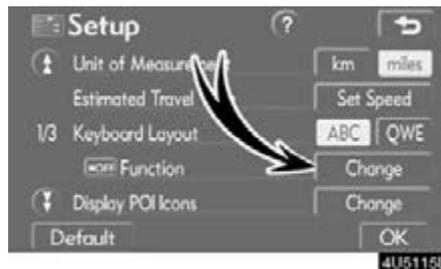
The selected button is highlighted.

4. Touch “OK”.

● Screen layout function (Function)

Each touch-screen button and current street name on the map screen can be displayed or hidden.

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.



3. Touch “Change” of “ Function”.



4. Touch the button to be turned off. The button becomes dimmed.

To set the default, touch “Default”.

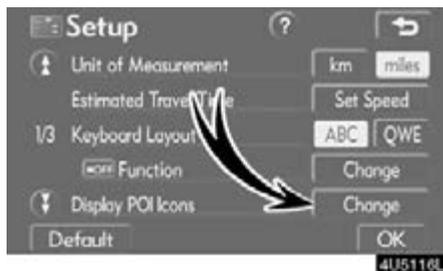
5. Touch “OK”.

ADVANCED FUNCTIONS

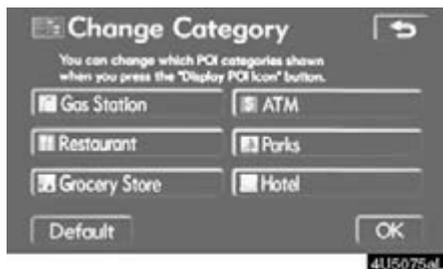
- **POI category change (Display POI Icons)**

Select from among the 6 icons displayed on the “Display POI Icons” top screen, so that setting of the icons to be displayed on the map screen can be done easily.

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.



3. Touch “Change” of “Display POI Icons”.



4. Touch the category button to be changed.



5. Touch the category button to be displayed on the “Display POI Icons” top screen.

6. Touch “OK”.

● **Display of building shape**

When the “Display Building Shapes” feature is turned on, the system will display the building shape on the map screen using a scale of 150 feet (50 m) to 300 feet (100 m).

To turn the “Display Building Shapes” on:

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.

Then touch ⓘ to display page 2 of the “Setup” screen.



3. Touch “ON” of “Display Building Shapes”.

The selected button is highlighted.

4. Touch “OK”.

● **Notifying traffic restriction**

When the “Traffic Restrict. Notification” feature is turned on, the system will search for a route to detour around traffic or seasonal restrictions.

To turn the “Traffic Restrict. Notification” on:

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.

Then touch ⓘ to display page 2 of the “Setup” screen.



3. Touch “ON” of “Traffic Restrict. Notification”.

The selected button is highlighted.

4. Touch “OK”.

ADVANCED FUNCTIONS

- **Voice recognition guidance**

When the “Voice Recognition Guidance” feature is turned on, the voice recognition guidance can be heard automatically.

To turn the “Voice Recognition Guidance” on:

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.

Then touch ⓘ to display page 2 of the “Setup” screen.



3. Touch “ON” of “Voice Recognition Guidance”.

The selected button is highlighted.

4. Touch “OK”.

- **Voice guidance in all modes**

When the “Voice Guidance in All Modes” feature is turned on, the voice guidance in all modes can be heard.

When the “Voice Guidance in All Modes” feature is turned off, voice guidance cannot be heard when using the audio system.

To turn the “Voice Guidance in All Modes” on:

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.

Then touch ⓘ to display page 2 of the “Setup” screen.



3. Touch “ON” of “Voice Guidance in All Modes”.

The selected button is highlighted.

4. Touch “OK”.

● **Auto voice guidance**

When the “Auto Voice Guidance” feature is turned on, the voice guidance can be heard automatically.

When the “Auto Voice Guidance” feature is turned off, the voice guidance can be heard only if the “MAP/VOICE” button is pushed.

To turn the “Auto Voice Guidance” mode on:

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.

Then touch ⓘ to display page 2 of the “Setup” screen.



3. Touch “ON” of “Auto Voice Guidance”.

The selected button is highlighted.

4. Touch “OK”.

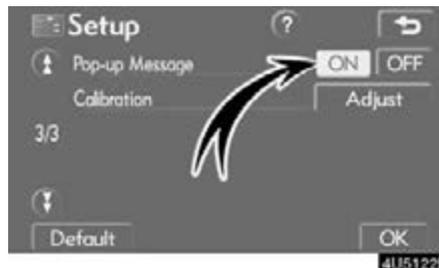
● **Pop-up message**

When the “Pop-up Message” is turned on, the pop-up message will be displayed.

To turn the “Pop-up Message” on:

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.

Then touch ⓘ twice to display page 3 of the “Setup” screen.



3. Touch “ON” of “Pop-up Message”.

The selected button is highlighted.

4. Touch “OK”.

ADVANCED FUNCTIONS

When the “Pop-up Message” is turned off, the following messages will not displayed.



This message appears when the system is in the POI mode and the map scale is over 0.5 miles (800 m).



The message appears when the map is switched to the dual map screen mode.

- **Current position/tire change calibration**

The current vehicle position mark can be adjusted manually. Miscalculation of the distance caused by tire replacement can also be adjusted.

1. Push the “MENU” button.
2. Touch “Setup” on the “Menu” screen.

Then touch  twice to display page 3 of the “Setup” screen.



3. Touch “Adjust” of “Calibration”.



4. Touch the desired button.

INFORMATION

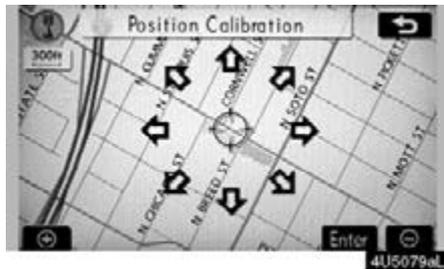
For additional information on the accuracy of a current vehicle position, see “Limitations of the navigation system” on page 202.

POSITION/DIRECTION CALIBRATION

When driving, the current vehicle position mark will be automatically corrected by GPS signals. If GPS reception is poor due to location, you can manually adjust the current vehicle position mark.

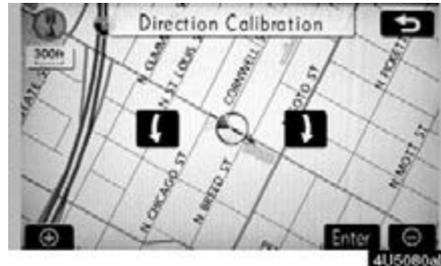


1. Touch "Position/Direction".



2. Touch the eight directional touch-screen button to move the cursor to the desired point on the map.

3. Touch "Enter".



4. Touch either [left arrow] or [right arrow] to adjust the direction of the current vehicle position mark.

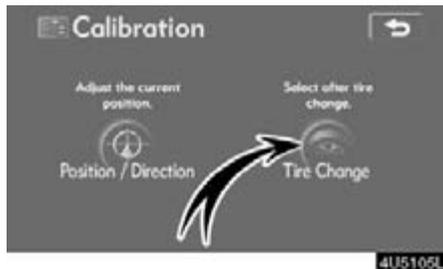
5. Touch "Enter".

The map screen will be displayed.

ADVANCED FUNCTIONS

TIRE CHANGE CALIBRATION

The tire change calibration function will be used when replacing the tires. This function will adjust the miscalculation caused by the circumference difference between the old and new tires. If this procedure is not performed when the tires are replaced, the current vehicle position mark may be incorrectly displayed.



To perform a distance calibration procedure, touch “Tire Change” on the “Calibration” screen.

The message appears and the quick distance calibration is automatically started. A few seconds later, a map screen will be displayed.

XM® NavTraffic (USA only)

The XM® NavTraffic service that allows the navigation system to display traffic information on the map is available if your satellite radio tuner can receive traffic information.

For details about the XM® NavTraffic service coverage area, refer to www.xmradio.com.

- How to activate the XM® NavTraffic service

To receive the XM® NavTraffic service, it is necessary to activate the service. To activate the service, an extra fee is required in addition to subscription fees for the XM® Satellite Radio. For details about service and activation, call XM® Listener Care at 1-877-515-3987.

Customers should have their radio ID ready; the radio ID can be found by selecting “channel 000” on the radio.

All fees and service are the responsibility of the XM® Satellite Radio and are subject to change.



1. Push the “MENU” button.



2. Touch “XM NavTraffic”.



On this screen, the following operations can be performed.

- 1 **Show XM® NavTraffic Information**
Traffic information is displayed on the map. (See page 118.)
- 2 **Auto Avoid Traffic**
If any heavy congestion or moderate traffic has been detected on the guidance route, it may be possible for you to select another route offered by the system. (See page 119.)
- 3 **Traffic Voice Guidance**
Traffic information is provided using voice guidance. (See page 120.)
- 4 **Show Free Flowing Traffic**
Freely flowing traffic is shown by the arrow on the map. (See page 120.)

INFORMATION

When “OFF” for “Show XM NavTraffic Information” is selected, “Auto Avoid Traffic”, “Traffic Voice Guidance” and “Show Free Flowing Traffic” will not operate.

ADVANCED FUNCTIONS

(a) Show XM® NavTraffic information

XM® NavTraffic information is displayed on the map.



► Map screen



► Freeway information screen

1 XM® NavTraffic icon

When any traffic information has been received, the XM® NavTraffic icon will appear on the map screen. Touching the XM® NavTraffic icon on the screen will start voice guidance for the traffic information. (See page 119.)

INFORMATION

When the XM® NavTraffic icon is touched, voice guidance for the traffic information will start even if "OFF" for "Traffic Voice Guidance" is selected.

2 XM® NavTraffic information arrow

When any XM® NavTraffic information has been received, the XM® NavTraffic information arrow will appear on the map screen. The color of the arrow changes depending on the traffic information received.

"Orange": Heavy congestion

"Yellow": Moderate traffic

"Green": Freely flowing traffic

3 XM® NavTraffic indicator

When any XM® NavTraffic information has been received, the XM® NavTraffic indicator will appear on the screen. The color of the indicator changes depending on the traffic information received.

“White”: Traffic information has been received.

“Yellow”: Traffic restriction information on the guidance route has been received (touch switch*).

“Orange”: Congestion information on the guidance route has been received (touch switch*).

*: Touching the XM® NavTraffic indicator will start voice guidance.



Touch “ON” of the “Show XM NavTraffic Information.”.

(b) Auto Avoid Traffic

The guidance route automatically changes to another route to avoid heavy congestion.



Touch “ON” of the “Auto Avoid Traffic”.



When congestion information about the guidance route has been received, a screen will appear to ask you whether to reroute to avoid the congestion.

If you wish to reroute, touch “Yes”. Another route to allow you to avoid the congestion will appear.

If you do not wish to reroute, touch “No”.

ADVANCED FUNCTIONS

(c) Traffic Voice Guidance

You can receive congestion information through voice guidance while being guided to your destination.



Touch “ON” of the “Traffic Voice Guidance”.

(d) Show Free Flowing Traffic

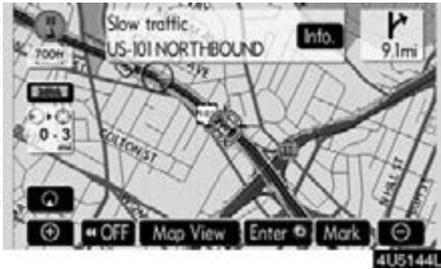
Freely flowing traffic is shown with the arrow.



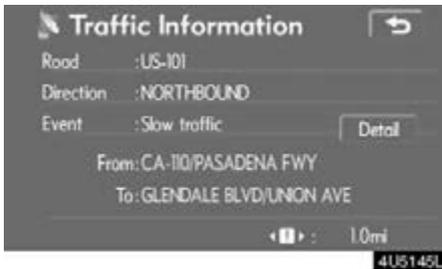
Touch “ON” of the “Show Free Flowing Traffic”.

(e) 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.



1. Touch “Info.” to display the “Traffic Information” screen.



2. Touch “Detail” to display detailed traffic event information.



ADVANCED FUNCTIONS

SECTION 5

OTHER FUNCTIONS

- **Maintenance information** 124
 - Maintenance information setting 124
 - Dealer setting 126
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OTHER FUNCTIONS

Maintenance information — — Maintenance information setting

When the navigation system is turned on, the “Information” screen displays when it is time to replace a part or certain components. (See page 22.)



1. Push the “INFO” button.



2. Touch “Maintenance”.



3. Touch the desired button.

For details of each touch–screen button, see “INFORMATION ITEMS” on page 125.

“**Delete All**”: To cancel all conditions which have been inputted.

“**Reset All**”: To reset the item which has satisfied a condition.

“**Set Dealer**”: To register or edit dealer information. (See “ — Dealer setting” on page 126.)

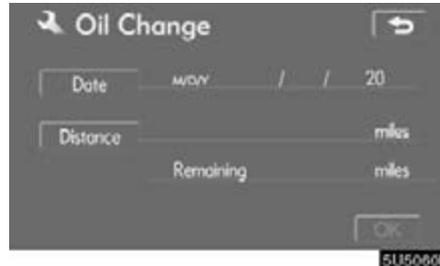
If “**ON**” is selected, the system gives maintenance information with the “Information” screen when the system is turned on. (See page 22.)

If “**OFF**” is selected, the “Information” screen is disabled.

When the vehicle needs to be serviced, the touch–screen button color will change to orange.

INFORMATION ITEMS

- “ENGINE OIL”: Replace engine oil
- “OIL FILTER”: Replace engine oil filter
- “ROTATION”: Rotate tires
- “TIRES”: Replace tires
- “BATTERY”: Replace battery
- “BRAKE PAD”: Replace brake linings
- “WIPERS”: Replace wiper blades
- “LLC”: Replace engine coolant
- “BRAKE OIL”: Replace brake fluid
- “ATF”: Replace ATF (Automatic Transmission Fluid)
- “SERVICE”: Scheduled maintenance
- “AIR FILTER”: Replace air filter
- “PERSONAL”: New information items can be created separately from provided ones.



4. Input the conditions.

Notice of “Date”: The next maintenance date can be input.

Notice of “Distance”: The driving distance until the next maintenance check can be input.

“Delete”: To cancel the date and distance conditions.

“Reset”: To reset the date and distance conditions.

5. Touch “OK”.

The screen then returns to the “Maintenance” screen.

INFORMATION
<ul style="list-style-type: none"> ● <i>For scheduled maintenance information, please refer to the “Warranty and Services Guide/Owner’s Manual Supplement/Scheduled Maintenance”.</i> ● <i>Depending on driving or road conditions, the actual date and distance may differ from the stored date and distance in the system.</i>

OTHER FUNCTIONS

— Dealer setting

It is possible to register a dealer in the system. With dealer information registered, route guidance to the dealer is available.

1. Push the “INFO” button.
2. Touch “Maintenance” on the “Information” screen.
3. Touch “Set Dealer” on the “Maintenance” screen.



4. If the dealer has not been registered, enter the location of the dealer in the same way as for a destination search. (See “Destination search” on page 39.)

When “Set Dealer” registration is finished, the “Edit Dealer” screen will be displayed.



5. Touch the button to be edited.

“**Dealer**”: To enter the name of a dealer. (See page 127.)

“**Contact**”: To enter the name of a dealer member. (See page 127.)

“**Location**”: To set a location. (See page 127.)

“**Phone #**”: To set a telephone number. (See page 128.)

“**Delete Dealer**”: To delete the dealer information displayed on the screen.

“**Enter**”: To set the displayed dealer as a destination. (See “Starting route guidance” on page 60.)

- To edit “Dealer” or “Contact”

1. Touch “Dealer” or “Contact” on the “Edit Dealer” screen.



2. Enter the name using the alphanumeric keys.

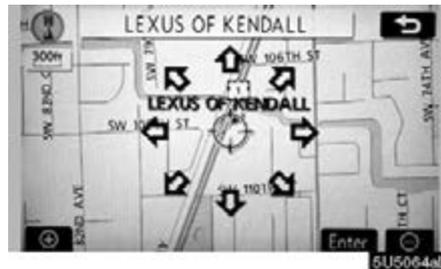
Up to 24 letters can be entered.

3. Touch “OK”.

The previous screen will be displayed.

- To edit “Location”

1. Touch “Location” on the “Edit Dealer” screen.



2. Touch the eight directional touch-screen button to move the cursor to the desired point on the map.

3. Touch “Enter”.

The previous screen will be displayed.

OTHER FUNCTIONS

- To edit “Phone #” (telephone number)

1. Touch “Phone #” on the “Edit Dealer” screen.



2. Enter the number using number keys.

3. Touch “OK”.

The previous screen will be displayed.

Calendar with memo —

It is possible to enter memos for particular dates on the calendar. The system informs you of the memo entry when the system is turned on. (See page 23.)

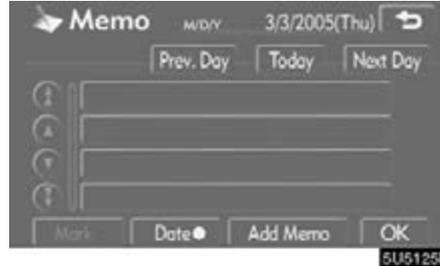
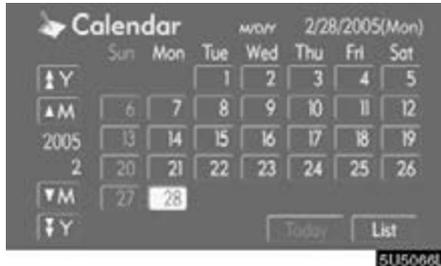
Memos can also be used for route guidance if the memo has been registered with location information.



1. Push the “INFO” button.



2. Touch “Calendar”.



On this screen, the current date is highlighted in yellow.

▲M or **▼M**: To change month.

▲Y or **▼Y**: To change year.

“Today”: To display the current month calendar (if another month will be displayed).

“List”: To display the list of registered memos. (See “ — Memo list” on page 131.)

Touching a date button on the “Calendar” screen displays the “Memo” screen.

Memos can be edited by touching the list button. (See “ — Editing a memo” on page 131.)

“Add Memo”: To add a memo. (See “ — Adding a memo” on page 130.)

“Mark ○”: To change the color of the mark displayed next to the date. To default the mark color, touch **“Delete”** on the “Mark color” screen.

“Date ○”: To change the color of the date. To default the date color, touch **“Delete”** on the “Date color” screen.

“Prev. Day”: To go to the “Memo” screen of the previous date.

“Today”: To go to the “Memo” screen for the current day.

“Next Day”: To go to the “Memo” screen of the next date.

OTHER FUNCTIONS

— Adding a memo

If a memo is added, the system informs of the memo entry when the system is started on the memo date. (See page 23.)

1. Push the “INFO” button.
2. Touch “Calendar” on the “Information” screen.
3. Touch the date you want to add a memo on the “Calendar” screen.



4. Touch “Add Memo”.

Up to 100 memos can be added.



5. Touch “Memo”.



6. Enter text using the keys.

Up to 24 letters can be entered.

After entering the text, touch “OK” at the bottom right of the screen.



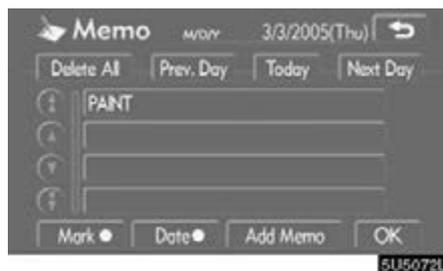
7. When registering information on the memo, touch “Location”.

A screen similar to the destination search screen appears. Search the same way as searching a destination. (See “Destination search” on page 39.)

— Editing a memo

The registered memo can be edited.

1. Push the “INFO” button.
2. Touch “Calendar” on the “Information” screen.
3. Touch the day you want to edit a memo on the “Calendar” screen.



4. Touch the memo to be edited.



5. Touch the item to be edited.

“**Memo**”: To edit a memo. (See “— Adding a memo” on page 130.)

“**Location**”: To change a registered location. (See “— Adding a memo” on page 130.)

“**Enter**”: To set the registered location as a destination. (See “Starting route guidance” on page 60.)

“**Delete**”: To delete the memo.

— Memo list

It is possible to display a memo list by setting a condition.

1. Push the “INFO” button.
2. Touch “Calendar” on the “Information” screen.
3. Touch “List” on the “Calendar” screen.



4. Touch the desired search condition to list the memos.

“**This Week**”: To display the list of memos for the current week.

“**This Month**”: To display the list of memos for the current month.

“**Future**”: To display a list of future memos.

“**Past**”: To display the list of past memos.

“**All**”: To display the list of all memos.

“**Period**”: To display the list of memos for a specified period. (See page 132.)

OTHER FUNCTIONS



5. To delete and/or edit the memo, touch the desired memo button.

“Delete All”: To delete all the displayed memos.

A message will be displayed.

6. To delete, touch “Yes”. To cancel the deletion, touch “No”.

● To display memos for a specified period of time

1. Touch “Period” on the “Memo Search” screen.



2. Enter the period using the numeral keys.

The period from January 1, 2005 through December 31, 2024 can be set for searching.

3. After setting the period, touch “OK”.

The “Memo List” screen will be displayed.

Hands-free system (for cellular phone)

Hands-free system allows you to make or receive a call without taking your hands off the steering wheel.

This system supports Bluetooth®. Bluetooth® is a wireless data system by which you can call without your cellular phone being connected with a cable or placed on a cradle.

If your cellular phone does not support Bluetooth®, this system cannot be used.

CAUTION

While driving, do not use a cellular phone or connect the Bluetooth® phone.

NOTICE

Do not leave your cellular phone in the vehicle. High temperature inside the vehicle may damage your phone.

INFORMATION

In the following conditions, the system may not function.

- *The cellular phone is turned off.*
- *The current position is outside the communication area.*
- *The cellular phone is not connected.*
- *The cellular phone has a low battery.*



By pushing the telephone switch above, you can receive a call or hang up without taking your hands off the steering wheel.



► Microphone

You can use the microphone above when talking on the phone.

The other party's voice outputs from the driver's speaker. When the received calls or received voice outputs, the audio from the audio system or voice guidance from the navigation system will be muted.

INFORMATION

- *Talk alternately with the other party on the phone. If you talk at the same time, the voice may not reach each other. (It is not a malfunction.)*
- *Keep the volume of receiving voice low so that an echo is not heard. When you talk on the phone, speak clearly towards the microphone.*
- *In the following situations, your voice may not reach the other party.*
 - *Driving on an unpaved road (road noise).*
 - *Driving at high speeds.*
 - *The window is open.*
 - *Turning the air-conditioning vents towards the microphone.*
 - *The sound of the air-conditioning fan is loud.*



1 Indicates the condition of Bluetooth® connection.

“Blue” indicates an excellent connection to Bluetooth®.

“Yellow” indicates a bad connection to Bluetooth®, resulting in possible deterioration of voice quality.

 : No connection to Bluetooth®.

2 Indicates the amount of battery charge left.



It is not displayed while the Bluetooth® is connecting or the phone book data is being transferred.

The amount left does not always correspond with the one of your cellular phone. This system doesn't have a charging function.

3 Indicates the receiving area.

“Rm” is displayed when receiving in Roaming area.

“Hm” is displayed when receiving in Home area.

4 Indicates the level of reception.



“No connection” indicates no phone is connected to the system.

“No service” indicates you are not in the service area.

The level of reception does not always correspond with the one on your cellular phone.

INFORMATION
<p><i>This system supports the following service.</i></p> <ul style="list-style-type: none"> ● <i>HFP (Hands Free Profile) Ver. 1.0</i> ● <i>OPP (Object Push Profile) Ver. 1.1</i> <p><i>If your cellular phone does not support HFP, you cannot enter the Bluetooth® phone, and take OPP service individually.</i></p> <p><i>For more about cellular phones information, refer to the cellular phone manufacturer’s users guide or go to www.lexus.com.</i></p>

An antenna for the Bluetooth® connection is built in the display. The indication of the Bluetooth® connection may turn yellow and the system may not function when you use the Bluetooth® phone in the following conditions and places.

- Your cellular phone is hiding behind the display (behind the seat or in the glove box and console box).
- Your cellular phone touches or is covered with metal materials.

Place the Bluetooth® phone so that the condition of the Bluetooth® connection indicates “Blue”.



Bluetooth is a trademark owned by Bluetooth SIG, Inc.

When you release possession of your vehicle:

A lot of personal data is registered when you use the Hands-free system. When you release possession of your vehicle, delete your data. (See “(d) Delete personal data” on page 196.)

If you make deletions, the former state will never come back again. Pay much attention when deleting the data.

You can delete the following data in the system.

- Phone book data
- Dialed numbers and received calls
- Speed dial
- Bluetooth® phone data
- Security code

OTHER FUNCTIONS

FCC ID: BABBT016A
IC ID: 2024B-BT016A
MADE IN JAPAN

This device complies with Part 15 of the FCC Rules and RSS-Gen of the IC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION: Radio Frequency Radiation Exposure

This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and legs).

Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

— Enter a Bluetooth® phone

To use the hands-free system, you need to enter your phone into the system. Once you have registered it, you can make a hands-free call.



1. Push the “INFO” button.



2. Touch “Phone”.

You can also push  on the steering wheel to display this screen when the vehicle is stopped.

● **Registering your phone**



If no phone has been registered, this screen will be displayed.

1. Touch “Yes” to register your phone.

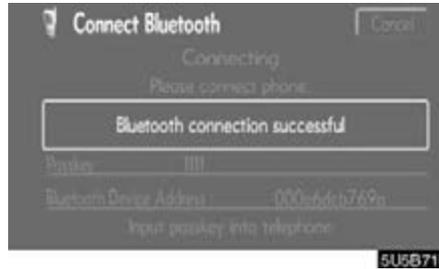
If you touch “No”, the “Phone” screen will be displayed. You can also register your phone by touching “Settings”. (See “Registering more than one phone” on page 138.)



2. When this screen is displayed, input the passkey displayed on the screen into the phone.

For assistance in inputting the passkey into your Bluetooth® phone, see the manual that comes with your Bluetooth® phone.

If you want to cancel the operation, touch “Cancel”.



3. When the connection is completed, this screen is displayed.

You do not need to register the phone if the phone has already been registered to your vehicle.



When these screens are displayed, follow the guidance on the screens to register your Bluetooth® phone.

OTHER FUNCTIONS

- **Registering more than one phone**

You can register up to 6 phones in the system.



1. Touch “Settings” to display the “Settings” screen.



2. Touch “Bluetooth*” to display the “Bluetooth* Manager” screen.



3. Touch “Add Phone” to add your new phone to the system.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.



If any registered phone is connected, this screen will be displayed.

4. Touch “Yes” to register your new phone.



5. When this screen is displayed, input the passkey displayed on the screen into the phone.

For assistance in inputting the passkey into your Bluetooth® phone, see the manual that comes with your Bluetooth® phone.

If you want to cancel the operation, touch “Cancel”.



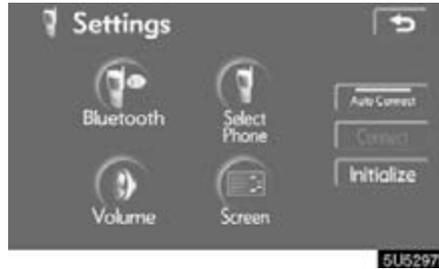
6. When the connection is completed, this screen is displayed.

You do not need to register the phone if the phone has already been registered to your vehicle.



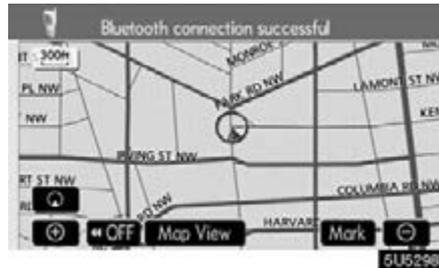
When these screens are displayed, follow the guidance on the screens to register your Bluetooth® phone.

• Connecting a Bluetooth® phone AUTOMATICALLY



When you register your phone, auto connection will be turned on. Always set it to this mode and leave the Bluetooth® phone in a location where connection can be established.

Each time you touch “Auto Connect”, auto connection will be switched on or off.



When the “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode, the selected Bluetooth® phone will be automatically connected and the connection result is displayed.

This screen appears when the Bluetooth® phone is first connected after the “ENGINE START STOP” switch is turned to ACCESSORY or IGNITION ON mode.

You can choose to display or not to display phone status by touching “ON” or “OFF” on the “Screen Settings” screen. (See “Display phone status” on page 182.)

OTHER FUNCTIONS

MANUALLY

When the auto connection failed or turned off, you have to connect Bluetooth® manually.



Touch “Connect” after having enabled the Bluetooth® connection on the phone.



When the connection is completed, this screen is displayed.

Now you can use the Bluetooth® phone.

- Reconnecting the Bluetooth® phone

If the Bluetooth® phone is disconnected with a poor reception from the Bluetooth® network when the “ENGINE START STOP” switch is in the ACCESSORY or IGNITION ON mode, the system automatically reconnects the Bluetooth® phone. In this case, the connection result is not displayed.

If the Bluetooth® phone is disconnected on purpose, such as when you turn your cellular phone off, this operation does not occur. Reconnect it by the following methods.

- Select the Bluetooth® phone again.
- Enter the Bluetooth® phone.

— Call on the Bluetooth® phone

After you register the Bluetooth® phone, you can call by using the hands-free system. You can call using the 7 methods described below.

- Dial (See page 141.)
- Phone book (See page 142.)
- Dialed numbers (See page 145.)
- Received calls (See page 146.)
- Speed dial (See page 147.)
- Voice recognition (See page 148.)
- POI call (See page 151.)

- **By dial**

You can call by inputting the telephone number.

This cannot be operated while driving.



1. **Touch the desired key to input the telephone number.**

Each time you touch ◀, an inputted digit is deleted.

When you touch “Redial”, the number you called last is inputted.

2. **Touch  or push  on the steering wheel.**

OTHER FUNCTIONS

- **By phone book**

You can call by phone book data which is transferred from your cellular phone.

The system has one phone book. You can register up to 1000 numbers.

This cannot be operated while driving.



Touch "Phone Book" to display the "Phone Book" screen.

TRANSFER PHONE BOOK DATA



If no phone number has been registered in the phone book, this screen will be displayed.

1. Touch "Yes" to transfer phone numbers in your Bluetooth® phone to the system.



2. Select the group you want to transfer the data to.



3. Transfer the phone book data to the system using the Bluetooth® phone.

This screen appears while transferring. To cancel it, touch **“Cancel”**. If the transferring is interrupted, the phone book data transferred until then can be memorized in the system.



4. When this screen is displayed, the transfer is completed.

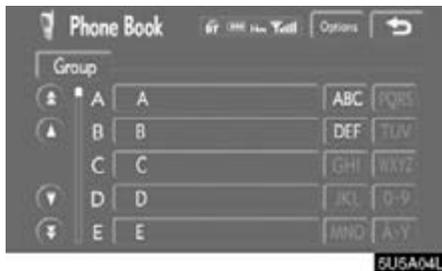
If you want to transfer another telephone number, touch **“Yes”**.

When these screens are displayed, try the transfer operation again.

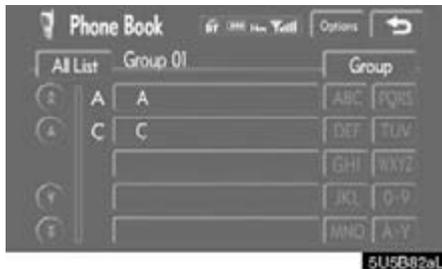
You can also transfer phone book data by touching **“Options”** on the “Phone Book” screen. (See “(c) Setting the phone book” on page 161.)

OTHER FUNCTIONS

CALL BY PHONE BOOK DATA



► Alphabetical order list



► Group list

If a phone number has been registered in the phone book, the alphabetical order list screen or group list screen will be displayed.

“**Group**”: You can select the data from the group list. Select a group.

“**All List**”: You can select the data from the alphabetical order list.

“**Options**”: Setting the phone book. (See “(c) Setting the phone book” on page 161.)

1. Select the desired name from the list.



2. Select the desired number.

“**Edit**”: Editing the data. (See “Editing the data” on page 167.)

“**Delete**”: Deleting the data. (See “Deleting the data” on page 169.)

“**Speed Dial**”: Registering the data in the speed dial. (See “(a) Registering the speed dial” on page 155.)

3. Touch  or push  on the steering wheel.

- **By dialed numbers**

You can call by dialed number. The system memorizes up to 5 dialed numbers. If it is more than 5, the oldest number is deleted.

This cannot be operated while driving.



1. Touch “Call History” to display the “Outgoing Calls” screen.



2. If the “Incoming Calls” screen is displayed, touch “Outgoing Calls”.

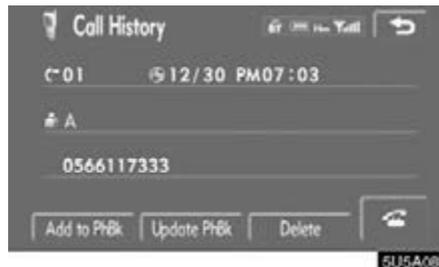


- When you call by phone book, the name (if registered) is displayed.
- When you call the same number continuously, only the newest number is registered.

“Incoming Calls”: Displaying the “Incoming Calls” screen.

“Delete All”: Deleting all outgoing calls history data. (See “(d) Deleting the call history data” on page 174.)

3. Select the desired number from the list.



“Add to Phbk”: Adding the data in the phone book. (See “Registering the phone book data” on page 163.)

“Update Phbk”: Updating the data registered in the phone book. (See “Editing the data” on page 167.)

“Delete”: Deleting the call history data. (See “(d) Deleting the call history data” on page 174.)

4. Touch or push on the steering wheel.

OTHER FUNCTIONS

- **By received calls**

You can call by received calls. When a call is received, the system memorizes up to 5 numbers. If it is more than 5, the oldest number is deleted.

This cannot be operated while driving.



1. Touch “Call History” to display the “Incoming Calls” screen.



2. If the “Outgoing Calls” screen is displayed, touch “Incoming Calls”.

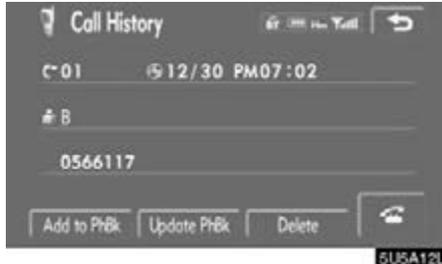


- When a telephone number registered in phone book is received, the name and the number are displayed.
- Received calls which you did not answer are also memorized in the system and “Abs.” is displayed on the left side of the number.
- Unnoticed telephone number such as a public telephone is not memorized in the system.

“Outgoing Calls”: Displaying the “Outgoing Calls” screen.

“Delete All”: Deleting all incoming calls history data. (See “(d) Deleting the call history data” on page 174.)

3. Select the desired number from the list.



“Add to PhBk”: Adding the data in the phone book. (See “Registering the phone book data” on page 163.)

“Update PhBk”: Updating the data registered in the phone book. (See “Editing the data” on page 167.)

“Delete”: Deleting the call history data. (See “(d) Deleting the call history data” on page 174.)

4. Touch or push on the steering wheel.

- An international phone call may not be made depending on the cellular phone which you have.

• **By speed dial**

You can call by registered telephone number which you selected from a phone book. (See “(a) Registering the speed dial” on page 155 for registering the speed dial.)



1. Touch **“Speed Dial”** to display the **“Speed Dial”** screen.



2. Touch the desired number to call.

You can change the page by touching **“Speed Dial 2”** or **“Speed Dial 3”**.

“Options”: Setting the speed dial and speed tone. (See “(a) Registering the speed dial” on page 155 and “(b) Registering the speed tone” on page 158.)

When you push the telephone switch while driving, the screen above appears. Touch the desired name to call. (The telephone number is not displayed.)

OTHER FUNCTIONS

- **By voice recognition**

You can call by giving a command. (For the operation and command of voice recognition, see “Speech command system” on page 188 and “Help screen” on page 191.)



- 1. Push the talk switch.**



- 2. Say a command.**

You can call by the following ways.

- Dialing by name (See page 148.)
- Dialing by number (See page 149.)
- Call back (See page 150.)
- Redial (See page 150.)
- Sending a tone (See page 151.)

DIALING BY NAME

You can call by giving a voice tag registered in the phone book. For setting the voice recognition, see “SETTING THE VOICE RECOGNITION” on page 166.

Example: Call AAA.



System: “Push the talk switch, and say the stored name. Otherwise say “go back”.”.

You: Push the talk switch.

You: “AAA.”

System: A beep sounds.

System: “AAA. Push the off-hook switch to dial. Otherwise push the talk switch and say “Dial”, “Next candidate”, or “Go back”.”.

You: Push the talk switch.

System: A beep sounds.

You: “Dial.”

System: “Dialing.”

Now you can call AAA.



“Next” is displayed when multiple entries are found for a searched name.

Up to 6 entries can be displayed including the first searched one.

Do the following to change the entry to the next one.

- Touch “Next”.
- Push the talk switch and say “Next Candidate” after a beep sounds.

Calling without the voice recognition

After the entry number is displayed, you can also call by pushing the telephone switch or touching “Dial”.

Cancelling the voice recognition

The voice recognition will be cancelled when you do the following.

- Keep on pushing the talk switch.
- Push  on the steering wheel.
- Touch “Cancel”. (Except for recognizing the command.)
- Say “Cancel”.

DIALING BY NUMBER

You can call by giving a desired number.



System: “Push the talk switch, and say the number. Otherwise say “Go back”.”.

You: Push the talk switch.

System: A beep sounds.

You: “812387.”

System: “812387. Push the off-hook switch to dial. Otherwise, push the talk switch and continue adding numbers or say “Dial”, “Delete”, or “Go back”.”.

You: Push the talk switch.

System: A beep sounds.

You: “Dial.”

System: “Dialing.”

Now you can call 812387.

OTHER FUNCTIONS

CALL BACK

You can call by received calls. Up to 5 numbers are memorized in the system.



System: "The most recent incoming call was 812387. Push the off-hook switch to dial. Otherwise, push the talk switch and say, "dial", "previous" or "go back"."

You: Push the talk switch.

System: A beep sounds.

You: "Previous"

System: "The previous call was 123456. Push the off-hook switch to dial. Otherwise, push the talk switch and say, "dial", "previous" or "go back"."

You: Push the talk switch.

System: A beep sounds.

You: "Dial".

System: "Dialing".

REDIAL

You can call by dialed numbers. Up to 5 numbers are memorized in the system.



System: "The most recent outgoing call was 812387. Push the off-hook switch to dial. Otherwise, push the talk switch and say, "dial", "previous" or "go back"."

You: Push the talk switch.

System: A beep sounds.

You: "Previous"

System: "The previous call was 123456. Push the off-hook switch to dial. Otherwise, push the talk switch and say, "dial", "previous" or "go back"."

You: Push the talk switch.

System: A beep sounds.

You: "Dial".

System: "Dialing".

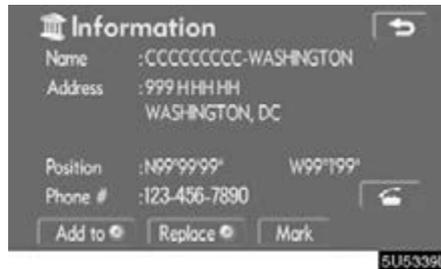
SENDING A TONE

You can send a tone by giving a desired number during a call.



You: Push the talk switch.
 System: "Say a string of single digits, pound, or star."
 You: "1234."
 System: "1234." "Push the talk switch, and say "Yes" to send. Otherwise say "No" or "go back"."
 You: Push the talk switch.
 System: A beep sounds.
 You: "Yes."
 System: "Sending."
 Now you can send the tone.

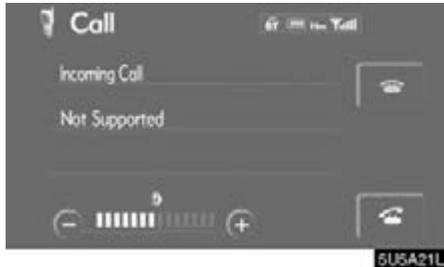
● **By POI call**



You can call by touching  when it is displayed on the screen from navigation system. (See page 30 for details.)

OTHER FUNCTIONS

— Receive on the Bluetooth® phone



When a call is received, this screen is displayed with a sound. Touch  or push  on the steering wheel to talk on the phone.

To hang up the phone:

Touch  or push  on the steering wheel again.

To refuse to receive the call:

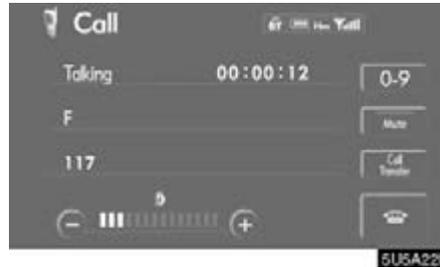
Touch  and hold it.

To adjust the volume of received call:

Touch “-” or “+” or use the volume switch of the steering wheel.

On the international phone call, the other party’s name may not be displayed correctly depending on the cellular phone which you have.

— Talk on the Bluetooth® phone



While you are talking on the phone, this screen is displayed. You can do the operation below on the screen.

To adjust the volume of the other party’s voice:

Touch “-” or “+” or use the volume switch of the steering wheel.

To hang up the phone:

Touch  or push  on the steering wheel.

To mute your voice:

Touch “Mute”.

To send a tone:

Touch “0-9”.

To transfer the call:

Touch “Call Transfer”.

You cannot change from Hands-free call to cellular phone call while driving.

When you change from cellular phone call to Hands-free call, the Hands-free screen will be displayed and you can operate it on the screen.

Transferring method and behavior are different depending on the cellular phone which you have.

For the operation of your Bluetooth® phone, refer to the cellular phone manufacturer’s users guide.

- Sending a tone



Touch the desired number to send a tone.

To hang up the phone:

Touch or push on the steering wheel.

This cannot be operated while driving.

- Sending a registered continuous tone



When you call by a phone book and if the continuous tone signal is registered in a phone book, this screen appears. (If not registered, “Send” and “Exit” are not displayed.)

Confirm the number displayed on the screen and touch “Send”. The number before marked sign will be sent.

When you touch “Exit”, this function will be finished and normal tone screen appears.

To hang up the phone:

Touch or push on the steering wheel.

The continuous tone signal is the marked sign (p or w) and the number following telephone number. (ex. 056133p0123w#1*)

You can do this operation when you want to operate an answering machine or use a telephone banking service for example. You can register the phone number and the code number in the phone book.

OTHER FUNCTIONS

- **Sending a tone by the speed tone**
You can send a tone by the speed tone. (For registering the speed tone, see “(b) Registering the speed tone” on page 158.)



1. Touch “Speed Tone”.



2. Touch the desired touch-screen button to send a tone.

— Registering and deleting phone numbers

You can register phone numbers in the phone book and speed dial. The registered phone number can be protected by setting the security.

- (a) Registering the speed dial (See page 155.)
- (b) Registering the speed tone (See page 158.)
- (c) Setting the phone book (See page 161.)
- (d) Deleting the call history data (See page 174.)
- (e) Setting the security (See page 175.)

(a) Registering the speed dial

You can register the desired telephone number from phone book. Up to 17 speed dial numbers can be registered.

The 6th entry is the speed dial for redialing.



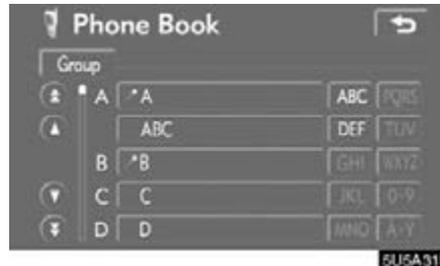
1. Touch "Speed Dial".



2. Touch "Options".



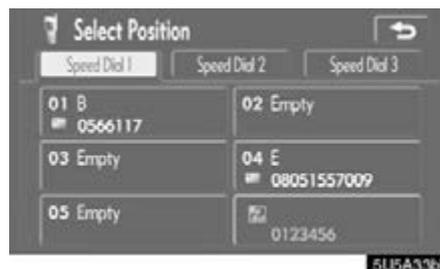
3. Touch "Save" of "Speed Dial".



4. Select the data you want to register.



5. Touch the desired telephone number.



6. Touch the touch-screen button you want to register in.

The latest dialed number is registered in the 6th item (speed redial).

OTHER FUNCTIONS



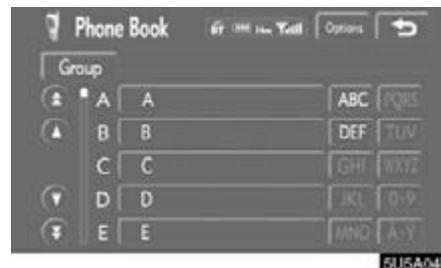
If you select a touch-screen button you registered before, this screen is displayed.

7. Touch “Yes” if you want to replace it.

You can also register data to the speed dial.



1. Touch “Phone Book”.



2. Select the desired name from the list.



3. Touch “Speed Dial”.



4. Touch the touch-screen button you want to register in.

The latest dialed number is registered in the 6th item (speed redial).



If you select a touch-screen button you registered before, this screen is displayed.

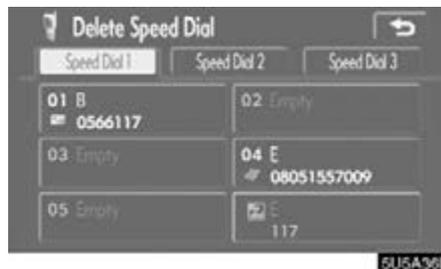
5. Touch "Yes" if you want to replace it.

● Deleting the speed dial individually
You can delete "01" – "17" of the speed dial individually.

If you delete them all at once, all of 17 numbers are deleted.



1. Touch "Delete" of "Speed Dial".



2. Touch the touch-screen button you want to delete.



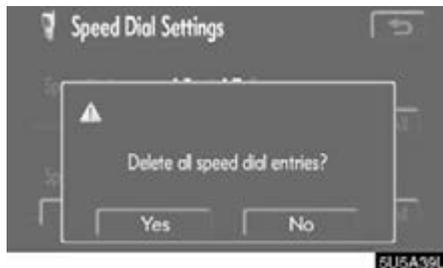
3. Touch "Yes".

OTHER FUNCTIONS

- **Deleting all of the speed dial**



1. Touch “Delete All” of “Speed Dial”.



2. Touch “Yes”.

- (b) **Registering the speed tone**

You can register the desired tone number. Up to 6 speed tone numbers can be registered.



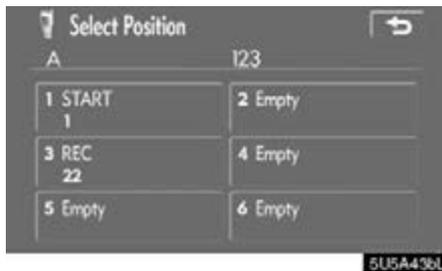
1. Touch “Create” of “Speed Tone”.



2. Use the software keyboard to input the name and touch “OK”.



3. Input the number and touch “OK”.



4. Touch the desired touch-screen button you want to register in.



If you select a touch-screen button you register before, this screen is displayed.

5. Touch “Yes” if you want to replace it.

- **Editing the speed tone**
You can edit the speed tone.



1. Touch “Edit” of “Speed Tone”.



2. Touch the touch-screen button you want to edit.

OTHER FUNCTIONS



3. Use the software keyboard to input the name and touch “OK”.



4. Input the number and touch “OK”.

- **Deleting the speed tone individually**
You can delete “1” to “6” of the speed tone.

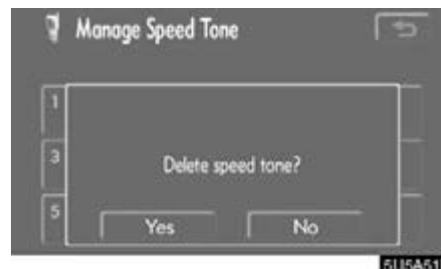
If you delete them all at once, all of 6 numbers are deleted.



1. Touch “Delete” of “Speed Tone”.



2. Touch the touch-screen button you want to delete.



3. Touch “Yes”.

● **Deleting all the speed tone**



6U5A62L

1. Touch “Delete All” of “Speed Tone”.



6U5A63L

2. Touch “Yes”.

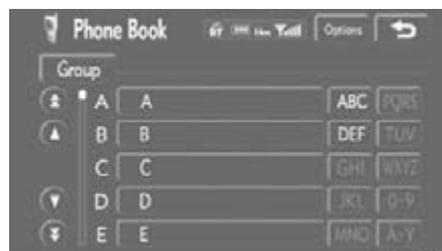
(c) **Setting the phone book**

You can register phone numbers in the phone book.



6U5D88L

1. Touch “Phone Book”.



6U5D89L

2. Touch “Options”.



6U5A65L

You can do the detail settings of phone book.

OTHER FUNCTIONS

- **Transferring a telephone number**

You can transfer the telephone numbers in your Bluetooth® phone to the system. Up to 1000 person's data (up to 2 numbers a person) can be registered in the phone book.

Transfer it while the engine is running.



1. Touch “Transfer phonebook” to display the “Select Group” screen.



2. Select the group you want to transfer the data to.



If you select the group you registered before, this screen will be displayed.

3. Touch “Replace” or “Add”.



4. Transfer the phone book data to the system using the Bluetooth® phone.

This screen appears while transferring. To cancel it, touch “Cancel”. If the transferring is interrupted, the phone book data transferred until then can be memorized in the system.



5. When this screen is displayed, the transfer is completed.

If you want to transfer another telephone number, touch “Yes”.



When these screens are displayed, try the transfer operation again.

- Registering the phone book data
You can register the phone book data.



1. Touch "Add Contact" of "Phone Book".



2. Touch the desired touch-screen button to edit the phone book.



3. When you complete the edit, touch "OK".

OTHER FUNCTIONS

You can register the call history data in the phone book.

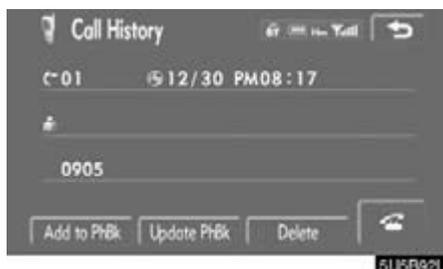


1. Touch "Call History".



The "Incoming Calls" or "Outgoing Calls" screen will be displayed.

2. Select the desired number from the list.



3. Touch "Add to Phbk"



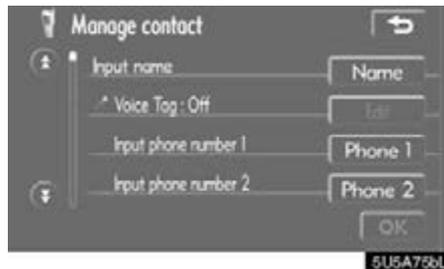
4. Touch the desired touch-screen button to edit the phone book.



5. When you complete the edit, touch "OK".

EDITING THE NAME

When you have not input the name, the number is displayed on the list.



1. Touch "Name".



2. Use the software keyboard to input the name and touch "OK".

EDITING THE PHONE NUMBER

You can register a phone number in "Phone 1" and "Phone 2" separately. Up to 2 numbers a person can be registered.



1. Touch "Phone 1" or "Phone 2".



2. Input the number and touch "OK".



3. Select the desired icon.

OTHER FUNCTIONS

SELECTING THE GROUP

You can set a group for a contact (for example: “Family”, “Friends”, “Office”...). It will then be easier for you to find this contact when needed, by using the group display.

You can select “No group” or “Group 01” to “Group 19”.

“No group” is displayed if you have not set the group.



1. Touch “Group”.



2. Select the desired group.

SETTING THE VOICE RECOGNITION

You can set the voice recognition. Up to 20 numbers can be registered for the voice recognition.



1. Touch “Edit”.



2. Select the phone number and touch “REC” to record a voicetag.



3. Say a name to register and touch “OK”.



4. Touch **“PLAY”** to play the voicetag. If you want to delete it, touch **“Delete”**.



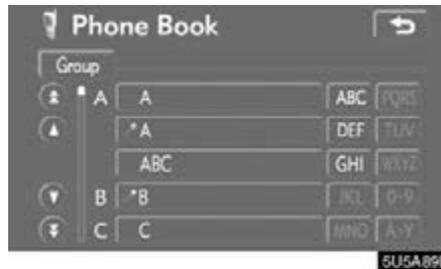
Touch **“Yes”** to delete the registered voicetag.

● **Editing the data**

You can edit the registered data.



1. Touch **“Edit”** of **“Phone Book”**.



2. Select the data you want to edit.



3. Touch the desired touch-screen button.

Edit the data in the same way as for registering the data. (see “Registering the phone book data” on page 163.)

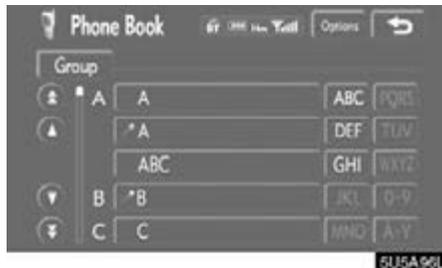
4. When you edit the data, touch **“OK”**.

OTHER FUNCTIONS

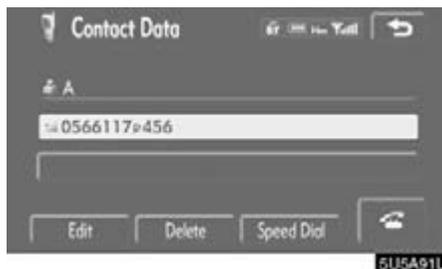
You can also edit the data in the following way.



1. Touch "Phone Book".



2. Select the desired data.



3. Touch "Edit".

You can update the registered data using the call history data.

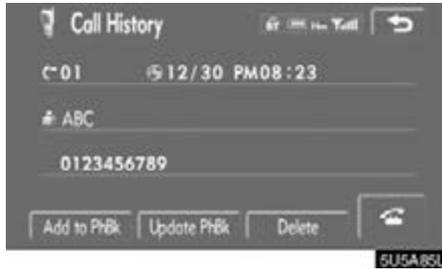


1. Touch "Call History".

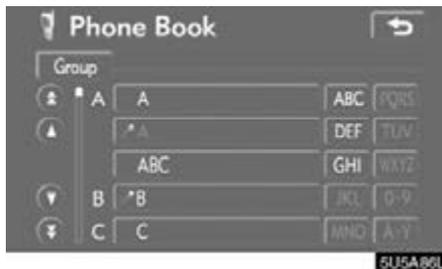


The "Incoming Calls" or "Outgoing Calls" screen will be displayed.

2. Select the desired number from the list.



3. Touch "Update PhBk".



4. Select the data you want to update data to.



5. Confirm the update data on the screen and touch "OK".

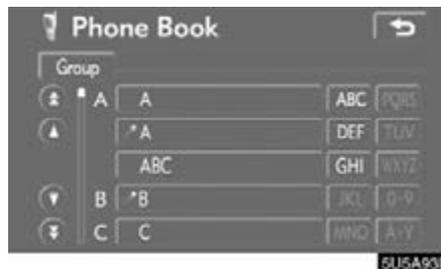
● **Deleting the data**

You can delete the data.

When you release possession of your vehicle, delete all your data on the system.



1. Touch "Delete" of "Phone Book".



2. Touch the desired touch-screen button.



3. Touch "Yes".

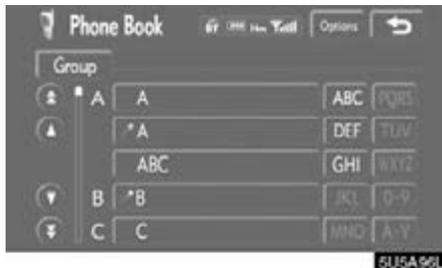
OTHER FUNCTIONS

You can also delete it in the following way.



4. Touch "Yes".

1. Touch "Phone Book".



2. Select the desired data.



3. Touch "Delete".

● **Deleting all the phone data**



6USA99L

1. Touch “Delete All” of “Phone Book”.



6USB00L

2. Select the deleting method.

“**Group**”: Deleting all the phone data in group.

“**Contacts**”: Deleting all the phone data.

DELETING GROUP

1. When you select “Group”, the “Select Group” screen will be displayed.



6USB01L

2. Select the desired group.



6USB02L

3. Touch “Yes” to delete all the phone data in the selected group.

DELETING CONTACTS

1. When you select “Contacts”, this screen will be displayed.



6USB97L

2. Touch “Yes” to delete all the phone data in the phone book.

OTHER FUNCTIONS

- **Registering a group name**

You can register 20 groups. “No Group”, “Group 01” – “Group 19” are registered by default.

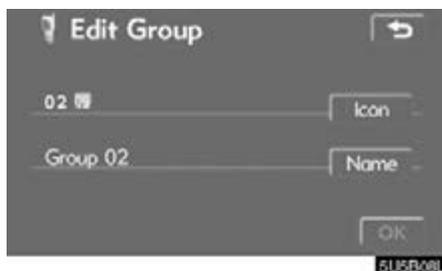
You can change “Group 01” – “Group 19” into desired names.



1. Touch “Set Group” of “Group Name”.



2. Select the group you want to register.



3. When you complete all the edit, touch “OK”.

SELECTING A GROUP ICON

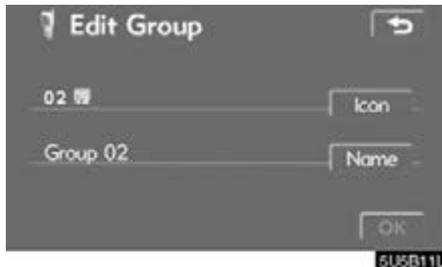


1. Touch “Icon”.



2. Select the desired icon.

EDITING A GROUP NAME



1. Touch "Name".



2. Use the software keyboard to input the name and touch "OK".

● **Deleting a group name**

You can delete the group names individually or all at once. If you delete a group name, that group will return to the default setting (excluding "No group").



1. Touch "Delete" of "Group Name".



2. Select the group you want to delete the name of.



3. Touch "Yes".

OTHER FUNCTIONS

- Deleting all the group name



1. Touch “Delete All” of “Group Name”.



2. Touch “Yes”.

- (d) Deleting the call history data

You can delete the call history data individually or all at once.

When you release possession of your vehicle, delete all the data on the system.

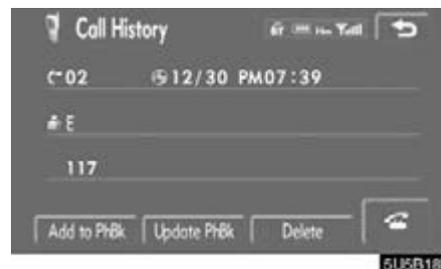
INDIVIDUALLY



1. Touch “Call History”.



2. Select the desired number to delete.



3. Touch “Delete” on the “Call History” screen.



4. Touch “Yes”.

ALL AT ONCE



1. Touch “Delete All” on the “Outgoing Calls” or “Incoming Calls” screen.



2. Touch “Yes”.

(e) Setting the security

When you set the security, you can prevent people from using some functions of the Hands-free system. It is useful when you leave your car with the hotel or you don't want others to see the data you registered.

When you set or unlock the security, you have to input the security code. Be sure to change the default code when you use the security for the first time.

OTHER FUNCTIONS

- **Changing the security passcode**

The security passcode is 4 digits and the default is "0000".

Change a new passcode that is hard for other people to know.

When you change the security passcode, don't forget the passcode. The dealers cannot unlock the security when you forget it.

If you forget the security passcode, initialize all hands-free settings. When you initialize it, not only the phone book data but also all hands-free settings will be deleted. (See "(e) Initializing all hands-free settings" on page 188.)



1. Touch "Lock phonebook".



2. Touch "Change".



3. Input the security passcode and touch "OK".

Each time you touch ◀, an input digit is deleted.



4. Input new passcode and touch "OK".



5. Input new passcode again and touch "OK".

- **Phone Book Lock**

When you set the phone book lock, you can have the following functions locked.

- Display of the phone book screen and transferring, registering, editing, deleting the phone book data.
- Display of speed dial screen, registering, deleting the speed dial and speed dialing.
- Display of the other party's name for calls being received or made.
- Display of dialed numbers screen and received calls screen, deleting dialed numbers and received numbers.
- Display of phone information screen.
- Changing the security code.

When you set this function, the speed dial screen is not displayed while driving.



1. Touch "ON" to lock the phone book. Touch "OFF" to unlock the phone book.



2. Input the security passcode and touch "OK".

OTHER FUNCTIONS

— Changing the setting of the Bluetooth® phone

- **Initializing the security settings**
You can initialize the settings.



1. Touch “Default”.



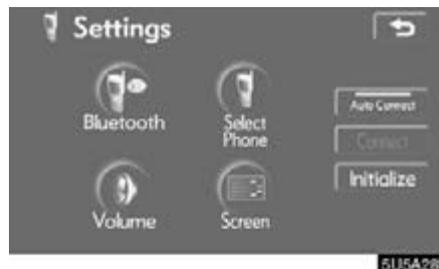
2. Input the security passcode and touch “OK”.



3. Touch “Yes”.



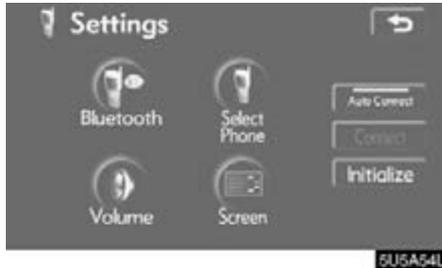
Touch “Settings” to display the “Settings” screen.



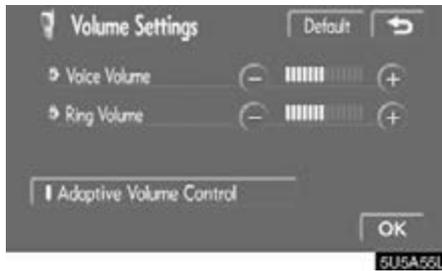
You can change the settings of the phone.

- (a) Setting the volume (See page 179.)
- (b) Setting the screen (See page 180.)
- (c) Selecting a Bluetooth® phone (See page 183.)
- (d) Changing the Bluetooth® settings (See page 185.)
- (e) Initializing all hands-free settings (See page 188.)

(a) Setting the volume



1. Touch "Volume" to display the "Volume Settings" screen.



2. Touch "-" or "+" to adjust the "Voice Volume" or "Ring Volume".

"Voice Volume": Adjusting the other party's voice.

"Ring Volume": Adjusting the ring volume.

3. Touch "OK".

- Automatic volume settings for high speed

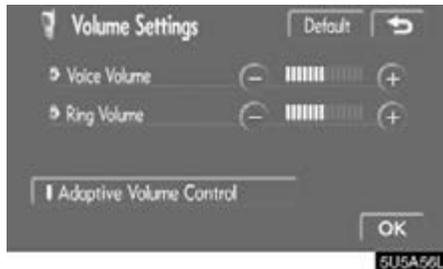
You can set the volume one step up when the speed is over 50 mph (80 km/h). (When it is under 43 mph (70 km/h), previous volume is back.)

Each time you touch "Adaptive Volume Control", you can switch on or off.

OTHER FUNCTIONS

- **Initializing the settings**

You can initialize the settings.



1. Touch “Default”.



2. Touch “Yes”.

(b) **Setting the screen**



1. Touch “Screen” to display the “Screen Settings” screen.



2. Do the detail settings of the screen and touch “OK”.

- Incoming call display mode

You can select the method of the receiving call display.



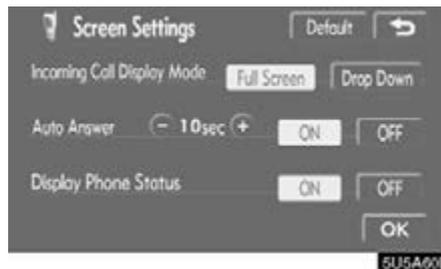
Touch “Full Screen” or “Drop Down”.

“Full Screen”: When a call is received, the Hands-free screen is displayed and you can operate it on the screen.

“Drop Down”: The message is displayed on the upper side of the screen. You can only operate the steering switch.

- Auto answer

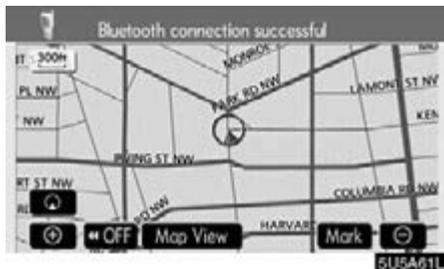
When a call is received, the display automatically changes to the talking screen and you can start to talk on the phone (without touching any button) after the preset time.



Touch “ON” of “Auto Answer” and “-” or “+” to adjust the waiting time of auto answer within 1 – 60 seconds.

OTHER FUNCTIONS

- Display phone status



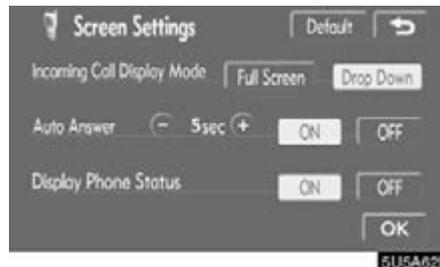
When the “ENGINE START STOP” switch is in the ACCESSORY or IGNITION ON mode and the Bluetooth® is automatically connected, the connection check is displayed.



Touch “ON” or “OFF” of “Display Phone Status”.

- Initializing the settings

You can initialize the settings.



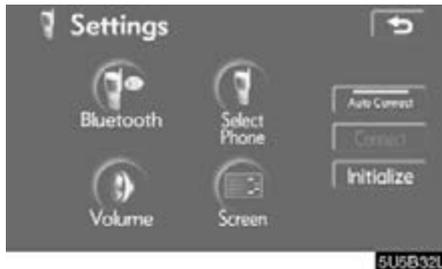
1. Touch “Default”.



2. Touch “Yes”.

(c) Selecting a Bluetooth® phone

In case you register more than one Bluetooth® phone, you need to choose a favorite one.



1. Touch “Select Phone” to display the “Select Phone” screen.

You can select the Bluetooth® phone from a maximum of 6 numbers.

“Empty” is displayed when you have not registered a Bluetooth® phone yet.

Bluetooth® mark is displayed when you choose the phone.



Although you can register up to 6 Bluetooth® phones in the system, only one Bluetooth® phone can function at a time.

2. Select the phone to connect.

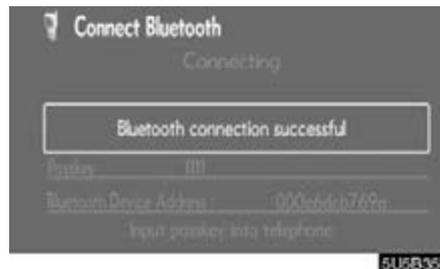


3. Touch “OK”.



When another Bluetooth® phone is connected, this screen is displayed.

4. Touch “Yes” to connect the selected phone.



When the result message is displayed, you can use the Bluetooth® phone.

OTHER FUNCTIONS

- **Displaying Bluetooth® information**
You can see or set the information of the Bluetooth® phone on the system.

“**Device Name**”: The name of Bluetooth® phone which is displayed on the screen. You can change it into a desired name.

“**Bluetooth* Device Address**”: The address peculiar to the system. You cannot change it.



1. Select the desired phone and touch “Information”.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.



2. Touch “Change”.



3. When you complete the setting, touch .

CHANGING A “DEVICE NAME”

You can change a “Device Name”. If you change a “Device Name”, the name registered in your cellular phone is not changed.



1. Touch “Change”.



2. Use the software keyboard to input the “Device Name” and touch “OK”.

(d) Changing the Bluetooth® settings

You can change the display and settings of Bluetooth® information on the system.

The information displays the following items.

“Device Name”: The name in the Bluetooth® network. You can change it.

“Passkey”: The password when you register your cellular phone in the system. You can change it into the figure of 4–8 digits.

“Bluetooth* Device Address”: The address peculiar to the system. You can not change it. If you have registered two Bluetooth® phones with the same “Device Name” or “Passkey” and you cannot distinguish one from the other, refer to it.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

OTHER FUNCTIONS

When you change the “Device Name” or “Passkey”, do the followings.



1. Touch “Bluetooth*”.



2. Touch “Change” of “Device Name” or “Passkey”.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.



3. Use the software keyboard to input the “Device Name” and touch “OK”.

You can input up to 20 characters.



4. Input a “Passkey” with 4 – 8 digits and touch “OK”.

When you touch ◀, the input number is deleted.



5. When you complete the setting, touch .

- **Initializing the Bluetooth® settings**
You can initialize the settings.



1. Touch “Default”.



2. Touch “Yes”.

- **Deleting a Bluetooth® phone**



1. Touch “Delete” of “Bluetooth* phone”.



2. Select the telephone you want to delete.

“Information”: Display the information of the phone to be deleted.

3. Touch “OK”.



4. Touch “Yes”.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

OTHER FUNCTIONS

(e) Initializing all hands-free settings

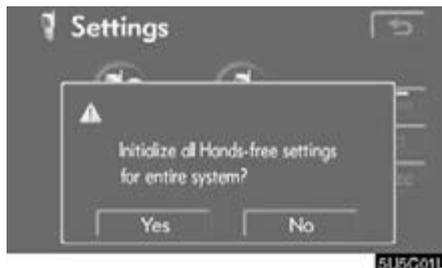
You can initialize all the hands-free settings. The following data in the system can be initialized.

- Phone book
- Outgoing and incoming history
- Speed dial
- Registered cellular phone data
- Security code

Once the initialization has been completed, the data cannot be restored to its original state.



1. Touch "Initialize".



2. Touch "Yes".

Speech command system

The speech command system enables you to operate the navigation system, audio system and air conditioning system by giving a command.



1. Push the talk switch.

A beep sounds and on screen message is displayed with an indicator at the top left.



2. Give a command while an indicator is shown in the display.

If you want to check the command list, touch “Help” to display the help screen. (See “Help screen” on page 191.) When you touch “Cancel”, the previous screen returns.

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

If no command is given, a beep sounds and the indicator disappears 6 seconds later.

If the system does not recognize your speech, the system will respond with this message (“System does not recognize this command, please rephrase your command.”). Start the operation from the beginning.

► **Microphone**

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

OTHER FUNCTIONS

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

1. Push the talk switch.
2. Say **“Home”**.

You can also say the street name or address.* (ex. say **“Woodridge Avenue”**.)

*: “Hawaii” or Hawaii area is not covered by the voice recognition.

If your home is not registered, you will hear **“Home is not registered”**.



3. If the system recognized the command, the recognition result **“Home”** is displayed on the top of the screen with the screen message. (Displayed message and the touch–screen buttons on the screen depend on the situation.)

Touch or say **“Cancel”**, and the system will be canceled. Touch or say **“Help”**, and displays the **“Help”** screen.



4. Touch **“Enter”** or say **“Enter destination”**, and the system starts searching for a route to your home. (If the destination is already registered, **“Add to Ⓞ”** or **“Replace Ⓞ”** is displayed on the screen.)

Touch or say **“Cancel”**, and the search will be canceled.

When you search the destination by **“POI Name”**, this screen is displayed.



Touch **“Enter”** or say **“Enter destination”**.

When you touch **“Show List”**, you can search another spot in its category.

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.*

Help screen

This system has a function which displays the voice recognition help screen. You can see the command list and operating guide on it.

(a) Command list

1. If the "Operating Guide" screen is displayed, touch "Command List" on the upper side of the screen.



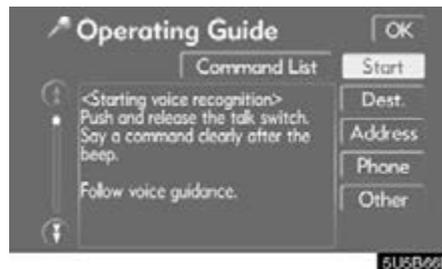
2. Select the desired category by touching the buttons on the right side of the "Command List" screen.

3. You can scroll through the list of the command list by touching  or .

Touch "OK" after you check it.

(b) Operating guide

1. If the "Command List" screen is displayed, touch "Operating Guide" on the upper side of the screen.



2. Select the desired category by touching the buttons on the right side of the "Operating Guide" screen.

3. You can scroll through the list of the operating guide by touching  or .

Touch "OK" after you check it.

OTHER FUNCTIONS

Screen adjustment

The brightness or contrast of the screen can be adjusted depending on the brightness of your surroundings. You can also turn the display off.



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 any button such as “INFO”, etc. The selected screen appears.

INFORMATION

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

1. To display the “Display” screen, push the “DISP” button.



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”.



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

You can adjust the color and the tone while the DVD video, DVD audio 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 turns off when “Screen Off” is touched. To turn the screen back on, push any button such as “INFO”, etc. The selected screen appears.

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

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

When the instrument panel light control switch is set to MAX “Day Mode” is not displayed.

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

INFORMATION

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

OTHER FUNCTIONS

Screen setting



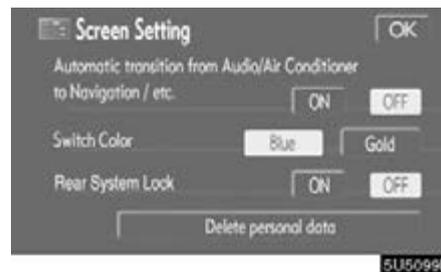
1. Push the "INFO" button to display the "Information" screen.



2. Touch "Screen Setting".

(a) Automatic transition

You can select a function that enables automatic return to the navigation screen from the audio/air conditioner screen.



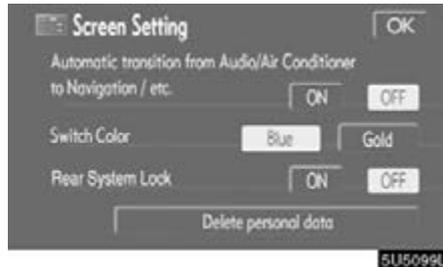
Select "ON" or "OFF" and then touch "OK".

"ON": The navigation screen automatically returns from the audio/air conditioner screen 20 seconds after the end of audio/air conditioner screen operation.

"OFF": The audio/air conditioner screen remains on.

(b) Switch color

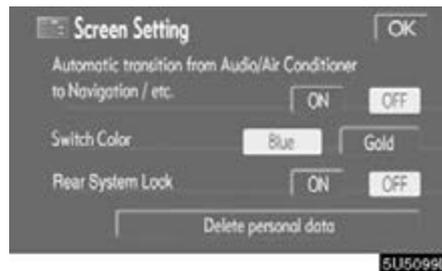
You can select the color of the touch-screen buttons.



Select “Blue” or “Gold” and then touch “OK”.

(c) Rear system lock (with rear seat entertainment system)

If the vehicle is equipped with the rear seat entertainment system, the rear seat entertainment system can be locked to prevent rear passengers from operating the entertainment system.



Select “ON” or “OFF” and then touch “OK”.

“ON”: The rear passengers cannot operate the rear seat entertainment system. Only front passengers can operate the system.

“OFF”: Both the front and rear passengers can operate the rear seat entertainment system.

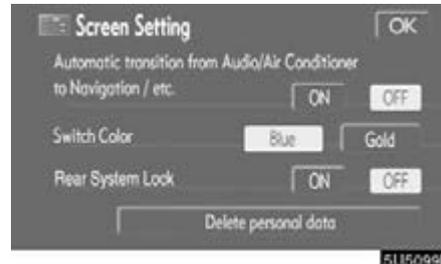
OTHER FUNCTIONS

(d) Delete personal data

The following personal data can be deleted or returned to their default settings:

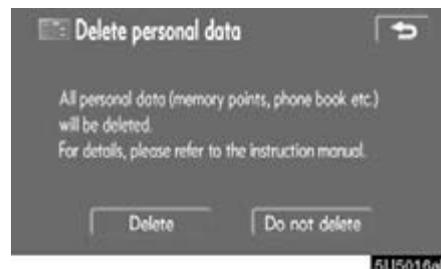
- **Maintenance conditions**
- **Maintenance information “off” setting**
- **Memory points**
- **Areas to avoid**
- **Previous points**
- **Route trace**
- **User selection settings**
- **Phone book data**
- **Dialed numbers and received calls**
- **Speed dial**
- **Bluetooth® phone data**
- **Security code**
- **Tracks recorded in the hard disc drive**

This function is available only when the vehicle is not moving.



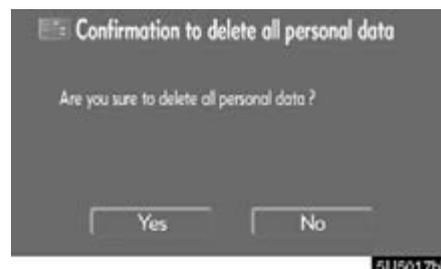
1. Touch “Delete personal data”.

The “Delete personal data” screen appears.



2. Touch “Delete”.

The “Confirmation to delete all personal data” screen appears.



3. Touch “Yes”.

Beep setting

You can set a beep sound off.



1. Push the "INFO" button.



2. Touch "Beep Off".

"Beep Off" is highlighted.

To switch the beep sound on, touch "Beep Off" again.

Clock adjustment

The clock can be corrected manually or by using signals from the GPS. Daylight Saving Time setting or your desired time setting is available.



1. Push the "INFO" button.



2. Touch "Adjust Clock".

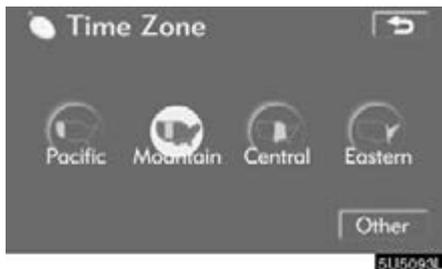
OTHER FUNCTIONS

- To adjust a clock automatically



Before you use the auto adjust function, select the time zone (see “Time Zone” described below). Touch “ON” of “Auto Adjust”. The time is automatically adjusted by the GPS clock.

“**Time Zone**”: You can select the time zone. When you touch this touch-screen button, the display will be change to the time zone selection screen. The initial setting is “Eastern”.



Touch the touch-screen button of your desired area. The time zone for the area is set and the previous screen returns.

“**Other**”: You can adjust the time zone manually with ▲, ▼.



- To adjust a clock manually



Touch “OFF” of “Auto Adjust”.

You can adjust the clock manually with “H”, “M” and “:00”.

“**H**”: To set the hour.

“**M**”: To set the minute.

“**:00**”: To adjust the time to the nearest hour, touch this touch-screen button.

- To set daylight saving time



“**Daylight Saving Time**”: You can set or cancel the daylight saving time. To set the daylight saving time touch “**ON**”, to cancel it touch “**OFF**”.

Selecting a language

The language of the touch-screen buttons, pop-up messages and the voice guidance can be changed.



1. Push the “INFO” button.



2. Touch “Language”.

OTHER FUNCTIONS



3. Touch “English”, “Français” or “Español” to select a language.

If a screen other than for the navigation system is displayed, the current screen would change to the “CAUTION” screen by pushing the “MAP/VOICE”, “DEST” or “MENU” button.

4. Touch “OK”.

The language is changed and the screen returns to the map display.

SECTION 6

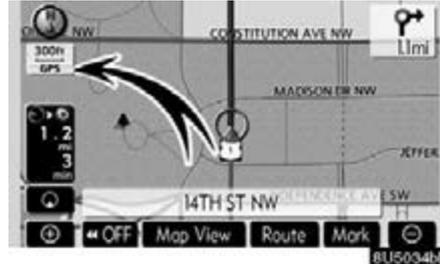
APPENDIX

- [Limitations of the navigation system](#) 202
- [Map database information and updates](#) 204

Limitations of the navigation system

This navigation system calculates the current vehicle position using satellite signals, various vehicle signals, map data, etc. However, the accurate position may not be shown depending on the satellite condition, road configuration, vehicle condition or other circumstances.

The Global Positioning System (GPS) developed and operated by the U.S. Department of Defense provides an accurate current vehicle position, normally using 4 or more satellites, and in some cases 3 satellites. The GPS system has a certain level of inaccuracy. While the navigation system will compensate for this most of the time, occasional positioning errors of up to 300 feet (100 m) can and should be expected. Generally, position errors will be corrected within a few seconds.



When your vehicle is receiving signals from the satellites, the “GPS” mark appears at the top left of the screen.

The GPS signal may be physically obstructed, leading to inaccurate vehicle position on the map display. Tunnels, tall buildings, trucks, or even the placement of objects on the instrument panel may obstruct the GPS signals.

The GPS satellites may not send signals due to repairs or improvements being made to them.

Even when the navigation system is receiving clear GPS signals, the vehicle position may not be shown accurately or inappropriate route guidance may occur in some cases.

NOTICE

The installation of window tinting may obstruct the GPS signals. Most window tinting contains some metallic content that will interfere with GPS signal reception of the antenna in the instrument panel. We advise against the use of window tinting on vehicles equipped with navigation systems.

(a) Accurate current vehicle position may not be shown in the following cases:

- When driving on a small angled Y-shaped road.
- When driving on a winding road.
- When driving on a slippery road such as in sand, gravel, snow, etc.
- When driving on a long straight road.
- When freeway and surface streets run in parallel.
- After moving by ferry or vehicle carrier.
- When a long route is searched during high speed driving.
- When driving without setting the current position calibration correctly.
- After repeating a change of direction by going forward and backward, or turning on a turntable in the parking lot.
- When leaving a covered parking lot or parking garage.
- When a roof carrier is installed.
- When driving with tire chains installed.
- When the tires are worn.
- After replacing a tire or tires.
- When using tires that are smaller or larger than the factory specifications.
- When the tire pressure in any of the four tires is not correct.

(b) Inappropriate route guidance may occur in the following cases:

- When turning at an intersection off the designated route guidance.
- If you set more than one destination but skip any of them, auto reroute will display a route returning to the destination on the previous route.
- When turning at an intersection for which there is no route guidance.
- When passing through an intersection for which there is no route guidance.
- During auto reroute, the route guidance may not be available for the next turn to the right or left.
- It may take a long time to operate auto reroute during high speed driving. In auto reroute, a detour route may be shown.
- After auto reroute, the route may not be changed.
- An unnecessary U-turn may be shown or announced.
- A location may have multiple names and the system will announce one or more.
- Some routes may not be searched.
- If the route to your destination includes gravel, unpaved roads or alleys, the route guidance may not be shown.
- Your destination point might be shown on the opposite side of the street.
- When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time or season or other reasons.
- The road and map data stored in your navigation system may not be complete or may not be the latest version.

INFORMATION

If your vehicle cannot receive GPS signals, you can correct the current position manually. For information on setting the current position calibration, see page 114.

After replacing a tire, implement the operation described in the “TIRE CHANGE CALIBRATION”. (See page 116.)

This navigation system uses tire turning data and is designed to work with factory-specified tires for your vehicle. Installing tires that are larger or smaller than the originally equipped diameter may cause inaccurate display of the vehicle’s position. The tire pressure also affects the diameter of the tires so please make sure the tire pressure of all four tires is correct.

Map database information and updates

This system uses the maps of DENSO.

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There are two types of areas available for route guidance. In one type of area, primarily around metropolitan centers, detailed route guidance is available for the entire area. In the other type of area, all roads are displayed on the map but route guidance is limited. The navigation route might lack precision because the data (no right turns, one-way traffic, etc.) is not complete. It is still possible to reach the destination by following the arrow direction and distance as shown on the bottom left of the screen. The arrow points in the direction of the destination. The distance shown is as measured in a straight line from the current vehicle position to the destination area.

In order to provide you with as accurate map information as possible, we are always gathering information such as on road repairs and carrying out on-site investigations. However, the names of roads, streets, facilities, and their locations frequently change. In some places, construction on roads may be in progress. For that reason, information on some areas in this system might be different from the actual location.

The map database is normally updated once a year. Contact your Lexus dealer for information about the availability and pricing of an update.

- To confirm the map data and CDDB versions and map coverage area



1. Push the "MENU" button.



2. Touch "HDD Data".



The map data version number and CDDB version number can be checked using this screen.

To display the map coverage area, touch "Covered Area". Confirm the covered area on the screen.

"CDDB Update" (with DVD changer) will be used when updating the CDDB version.

"Map Data Update" will be used when updating the map data version.

For details about CDDB and map data updates, contact your Lexus dealer.

Contact your Lexus dealer to find out if there is a more recent update available.

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Introduction

Thank you for your purchase of the Navigation System. Please read this manual carefully to ensure proper use. Keep this manual in your vehicle at all times.

The Navigation System is one of the most technologically advanced vehicle accessories ever developed. The system receives satellite signals from the Global Positioning System (GPS) operated by the U.S. Department of Defense. Using these signals and other vehicle sensors, the system indicates your present position and assists in locating a desired destination.

The navigation system is designed to select efficient routes from your present starting location to your destination. The system is also designed to direct you to a destination that is unfamiliar to you in an efficient manner. The system uses DENSO maps. The calculated routes may not be the shortest nor the least traffic congested. Your own personal local knowledge or "short cut" may at times be faster than the calculated routes.

The navigation system's database includes about 75 Point of Interest categories to allow you to easily select destinations such as restaurants and banks. If a destination is not in the database, you can enter the street address or a major intersection close to it and the system will guide you there.

The system will provide both a visual map and audio instructions. The audio instructions will announce the distance remaining and the direction to turn in approaching an intersection. These voice instructions will help you keep your eyes on the road and are timed to provide enough time to allow you to maneuver, change lanes or slow down.

Please be aware that all current vehicle navigation systems have certain limitations that may affect their ability to perform properly. The accuracy of the vehicle's position depends on the satellite condition, road configuration, vehicle condition or other circumstances. For more information on the limitations of the system, refer to pages 202 through 203.

TOYOTA MOTOR CORPORATION

Important information about this manual

For safety reasons, this manual indicates items requiring particular attention with the following marks.

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This is a warning against anything which may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

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INFORMATION
<i>This provides additional information.</i>

Safety Instruction



To use this system in the safest possible manner, follow all the safety tips shown below.

This system is intended to assist in reaching the destination and, if used properly, can do so. The driver is solely responsible for the safe operation of your vehicle and the safety of your passengers.

Do not use any feature of this system to the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, learn how to use it and become thoroughly familiar with it. Read the entire Navigation System Owner's Manual to make sure you understand the system. Do not allow other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable touch-screen buttons are dimmed. Only when the vehicle is not moving, can the destination be set and route be selected.



CAUTION

- **For safety, the driver should not operate the navigation system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.**
- **While driving, be sure to obey the traffic regulations and maintain awareness of the road conditions. If a traffic sign on the road has been changed, route guidance may provide incorrect information such as the direction of a one way street.**

While driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do not totally rely on voice guidance. Use it just for reference. If the system cannot determine the current vehicle position correctly, there is a possibility of incorrect, late, or non-voice guidance.

The data in the system may occasionally be incomplete. Road conditions, including driving restrictions (no left turns, street closures, etc.) frequently change. Therefore, before following any instruction from the system, look to see whether the instruction can be done safely and legally.

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If unsure about the safety of an area, do not drive into it. **Under no circumstances is this system a substitute for the driver's personal judgement.**

Use this system only in locations where it is legal to do so. Some states/provinces may have laws prohibiting the use of video and navigation screens next to the driver.

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Quick
Guide

1 Basic Functions

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*: Point of Interest

4 Advanced Functions

⟨Descriptions of functions for more effective use⟩

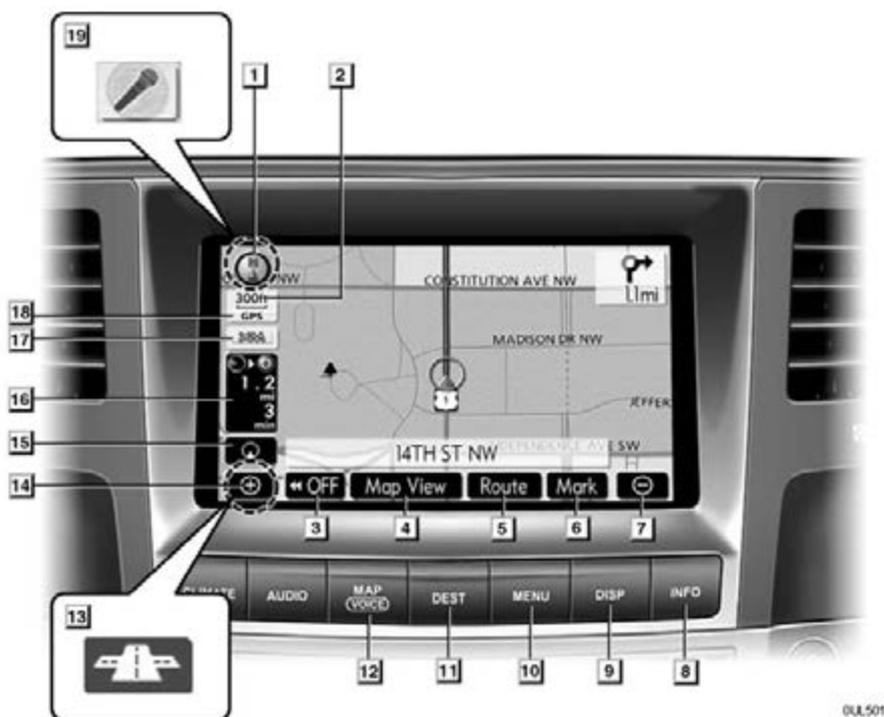
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Quick guide — — Overview buttons and guidance screen



No.	Name	Function	Page
1	North-up or heading-up symbol	This symbol indicates a map view with north-up or heading-up. Touching this symbol changes the map orientation.	36
2	Scale indicator	This figure indicates the map scale.	34
3	“◀◀OFF”	Touch this button to obtain a broader view. Some of the buttons on the screen are not displayed. They are displayed again by touching “ON▶▶” .	109
4	“Map View”	Touch this button to browse information about guidance route, to set the Points of Interest to be displayed on the screen, or to record the route.	78, 81, 82, 83
5	“Route”	Touch this button to change the route.	72, 74

No.	Name	Function	Page
6	“Mark”	Touch this button to register the current position or the cursor position as a memory point.	29
7	Zoom out button	Touch this button to reduce the map scale.	34
8	“INFO” button	Push this button to display the “Information” screen.	124, 128, 136, 194, 197, 199
9	“DISP” button	Push this button to display the “Display” screen.	192
10	“MENU” button	Push this button to display the “Menu” screen.	86, 88, 89, 90, 92, 106, 117, 213
11	“DEST” button	Push this button to display the “Destination” screen.	12, 14, 16, 17, 38, 39
12	“MAP/VOICE” button	Push this button to repeat a voice guidance, cancel one touch scroll, start guidance, and display the current position.	28, 70
13	Foot print map button	Touch this button to display the foot print map and the building information.	35
14	Zoom in button	Touch this button to magnify the map scale.	34
15	Screen configuration button	Touch this button to change the screen mode.	32
16	Distance and time to destination	Displays the distance, the estimated travel time to the destination, and the estimated arrival time at the destination.	71
17	XM® NavTraffic mark	This mark is displayed when XM® NavTraffic information is received.	116
18	“GPS” mark (Global Positioning System)	Whenever the vehicle is receiving signals from the GPS, this mark is displayed.	202
19	Speech command system indicator	The microphone is shown by pulling the talk switch. The speech command system can be operated while this indicator is shown.	188

— Registering home



1 Push the “DEST” button.



2 Touch .

If home has not been registered, you can register it by touching .



3 There are 11 different methods to search your home.

See “Destination search” on page 39.



4 Touch “Enter”.

The “Memory Point” screen is displayed.



5 Touch "OK".

Registration of home is complete.

You can also register home by pushing the "MENU" button. (See " — Registering home" on page 100.)

You can change the icon, quick access, name, location and phone number. (See " — Editing memory points" on page 94.)

— Registering preset memory point (Quick access)



1 Push the “DEST” button.



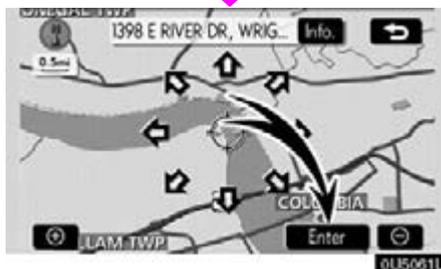
2 Touch one of the quick access buttons.

You can set a memory point to one of the quick access buttons which has not been set.



3 There are 12 different methods to search a preset memory point.

See “Destination search” on page 39.



4 Touch “Enter”.

The “Memory Point” screen is displayed.



5 Touch “OK”.

Registration of the preset memory point is complete.

You can also register preset destinations by pushing the “MENU” button. (See “ — Registering memory points” on page 93.)

You can change the icon, quick access, name, location and phone number. (See “ — Editing memory points” on page 94.)

The registered points can be used on the “Destination” screen. (See “ — Destination search by Quick access” on page 42.)

— Operation flow: guiding the route

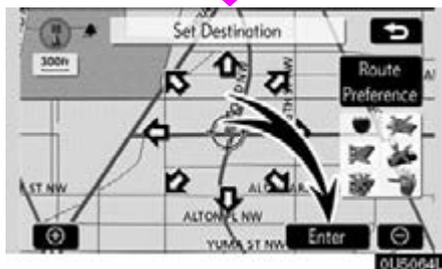


1 Push the “DEST” button.



2 There are 12 different methods to search destinations.

See “Destination search” on page 39.



3 Touch “Enter”.

The navigation system performs a search for the route.



4 Touch “Guide”, and start driving.

Routes other than the one recommended can also be selected. (See “Starting route guidance” on page 60.)

5 Guidance to the destination is given via voice and on the guidance screen.

— Setting home as the destination



1 Push the “DEST” button.



2 Touch .

The  can be used if your home has been registered. (To register “Home”, see “— Registering home” on page 12.)



3 Touch “Enter”.

The navigation system performs a search for the route.



4 Touch “Guide”, and start driving.

Routes other than the one recommended can also be selected. (See “Starting route guidance” on page 60.)

5 Guidance to the destination is given via voice and on the guidance screen.

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*: Point(s) of Interest

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