

SECTION I

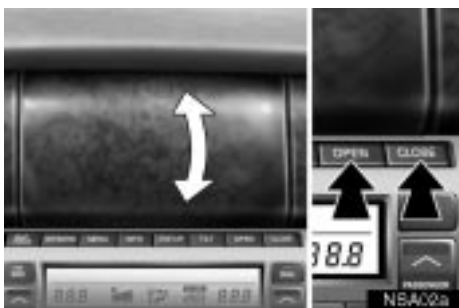
BASIC FUNCTIONS

I

Descriptions of basic operations in frequent use

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Your navigation system



Push the “OPEN” or “CLOSE” button to open or close the door and turn the system on or off. Pushing the “MAP/VOICE”, “DESTINATION”, “MENU” or “INFO” button can also open the door and turn the system on.

While you are using the navigation system, turning the ignition switch to the “LOCK” position will turn off the system and close the door automatically. After this, if you turn the ignition switch back to the “ACC” or “ON” position, the door will be automatically opened and the system will turn on the previous mode you used.

If the navigation door is stopped in the middle of the door opening (closing) operation, push the “CLOSE (OPEN)” button once and then push the “OPEN (CLOSE)” button again.

Your navigation system works when the ignition switch is in the “ACC” or “ON” position.

CAUTION

Take care not to jam your hand while opening/closing the navigation door. Otherwise you could be injured.

NOTICE

Do not obstruct the navigation door while it is opening/closing. It could damage your navigation system.



When the display is hard to be read due to the lights from your surroundings, the display can be tilted. It is recommended to tilt the display in position **3** when the retractable hardtop is opened. If the display is in position **1**, each push of the “TILT” button will tilt the display to position **2**, **3** and then back to **1** in this order.

The display will automatically resume the previous position you used when the ignition switch is turned to “ACC” or “ON” position.

CAUTION

Take care not to jam your hand while tilting the display. Otherwise, you could be injured.

Your navigation system



NOTICE

Do not obstruct the display while it is tilting. It could damage your navigation system.

Inputting Letters and Numbers

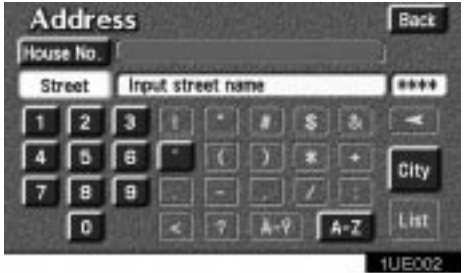
The navigation system operates by switches on the screen and on the automatic air conditioning control panel. When you touch a switch, a beep sounds. When using the switches on the touch screen, please use only light pressure with your finger to protect the screen from damage. Do not use objects other than your finger to touch the screen.



To type in an address etc., directly touch alphabet keys on the screen. If you touch a wrong letter, delete it using the  switch. Touching the  switch erases one letter.

Touching the “**List**” switch will change the screen to a display of the database items that match the name or address that you have entered on the screen. The number of matching items is shown to the right side of the screen. If the matching item is more than 9,999, the system displays “*:*:*” on the screen.

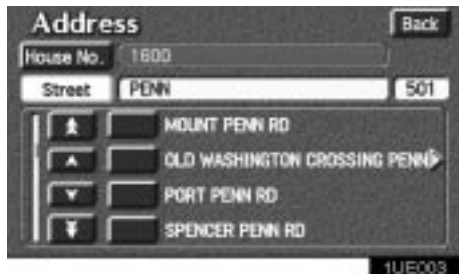
To input numerals, touch the “**0-9**” switch and the display will change the screen to number input display.



Touching the “**A-Z**” switch changes the screen back to the previous name input display.

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Inputting Letters and Numbers



When a list is displayed, you can scroll or page through the list by using the appropriate switch.



To shift to the next or previous page.



To scroll up or down one item at a time.



This expresses a displayed screen position.



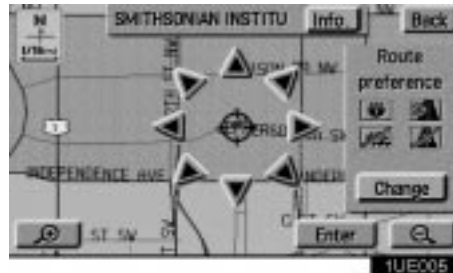
If ► appears on the right of the item name, the complete name is too long for the display. Touch ►, and the name will scroll to the end of the name.

Touching ◀ will scroll the name to the beginning of the name.

How to Move the Cursor




1. Touch the **“Adjust”** switch to move the cursor .



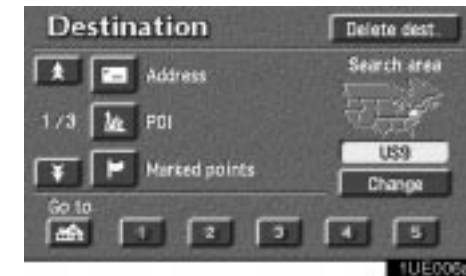
► **Position locating screen on the map**

2. When you touch an arrow facing your desired point, the map scrolls in that direction. When you release your finger, scrolling stops.

3. If you touch the **“Enter”** switch, the position of cursor  is set.

Destination Input

Push the **“DESTINATION”** button and the Destination screen appears.

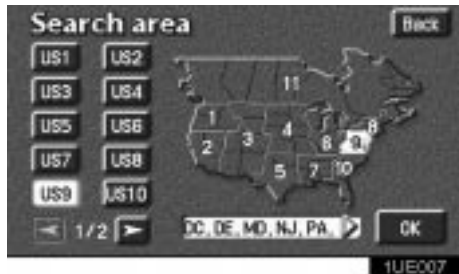


The Destination screen allows you to select the area to search for your destination.

Touch the “Change” switch on the Destination screen to display a map of the United States and Canada divided into 11 areas.



Destination Input



Touch one of the “US1” through “CAN” switches to select the search area. Touch the “OK” switch and the Destination screen returns.

Once you choose the area to search, you can use one of 11 different methods to enter your destination.

USA	
Switch	States included in the search area
US1	Idaho Oregon Washington
US2	California Nevada
US3	Arizona Colorado Montana New Mexico Utah Wyoming
US4	Iowa Kansas Minnesota Missouri Nebraska North Dakota South Dakota
US5	Oklahoma Texas

US6	Illinois Indiana Kentucky Michigan Ohio Wisconsin
US7	Alabama Arkansas Louisiana Mississippi Tennessee
US8	Connecticut Maine Massachusetts New Hampshire New Jersey New York Rhode Island Vermont
US9	Delaware Maryland New Jersey Pennsylvania Virginia West Virginia
US10	Florida Georgia North Carolina South Carolina

Destination Input

Canada	
Switch	States and regions included in the search area
CAN	Alberta British Columbia Manitoba New Brunswick Newfoundland and Labrador Nova Scotia Ontario Prince Edward Island Québec Saskatchewan

You can find your destination using various methods. See page 8 through 26 for the detailed steps.

1. By Home (🏠 **switch on the Destination screen**): You can select your own home without entering the address each time. In this case, it is necessary to register your home beforehand. See page 8 for the detailed steps.

2. By Preset destination (1 — 5 **switches on the destination screen**): You can select one of 5 preset destinations directly. In this case, it is necessary to register the destinations beforehand. See page 9 for the detailed steps.

3. By Address: You can input the house number and the street address by using the input keys. See page 10 for the detailed steps.

4. By Point of Interest: You can select one of the many points of interest that have been already stored in the system's database. There are more than 50 categories to choose from including restaurants, banks and automotive places. See page 13 for the detailed steps.

5. By Marked point: You can register your own favorite destinations as a "Marked Point". The system allows you to store up to 100 marked points. See page 19 for the detailed steps.

6. By Previous destination: You can select a destination from any of the last 20 previously set destinations. See page 20 for the detailed steps.

7. By Emergency: You can select one of the three points of emergency service points that have been already stored in the system's database. See page 21 for the detailed steps.

8. By Intersection: You can enter the names of two intersecting streets. This is helpful if you do not know the specific street address of your destination but know the general vicinity. See page 22 for the detailed steps.

9. By Freeway Entrance/Exit: You can enter the name of the freeway (interstate) entrance or exit. See page 23 for the detailed steps.

10. By Previous starting point: You can enter a point where the system has started to guide last time. See page 25 for the detailed steps.

Destination Input

11. By Map Selection: You can select a destination simply by touching the location on the displayed map. See page 26 for the detailed steps.

INFORMATION

- *When inputting the destination, the response to the switch may be slow.*
- *“Point of interest” are mainly registered in “Detailed map coverage areas”. The registration is made based on the NavTech “Standard POI Inclusion List”.*
- *If there is no point registered, switches such as “Marked point”, “Previous destination” or “Previous starting point” are dimmed and not available.*
- *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 or 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, you should use the map on a scale of one half mile or smaller.*
- *To select an “Address”, “Point of interest”, “Freeway Entrance/Exit” or “Intersection” in a different area, a search area’s change is necessary.*




CAUTION

While you are driving, be sure to follow traffic regulations and keep the road condition in mind. If a traffic sign on the road has been changed, the route guidance may provide wrong information.

Destination Input by Home



Touch the  switch on the Destination input screen.

The screen changes and displays the map location of your home. (See “Entering Destination” on page 26.)

The system starts the guidance from your current position to your home immediately after you touch the  switch.

For the steps to register your home, see “Registering your home” on page 41.

Destination Input by Preset Destination

Touch any of  —  (preset destination) switches on the destination input screen.

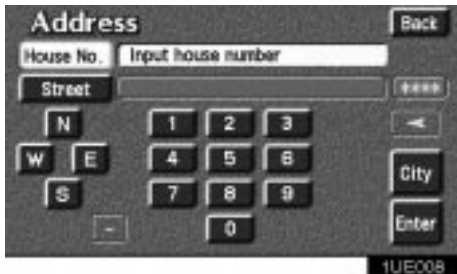
The screen changes and displays the map location of the preset destination.

The system starts the guidance from your current position to the preset destination immediately after you touch the preset destination switch.

For the steps to register the preset destination, see “Registering preset destination” on page 43.



Destination Input by Address

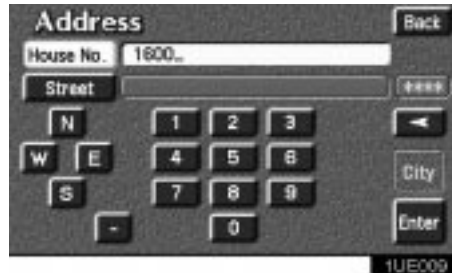


There are 2 ways to input a destination by address.

(a) Inputting a house number and a street name

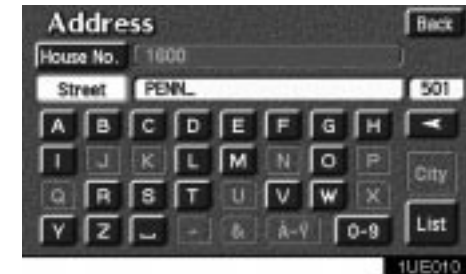
Touch the **“Address”** switch on the Destination screen. The Address screen appears, and then you can input a house number.

Touch letters directly on the screen to input a house number.



After inputting a house number, touch the **“Enter”** switch to display the screen which you can input a street name.

It is possible to input a street name first. Touch the **“Street”** switch to display the screen which you can input a street name.

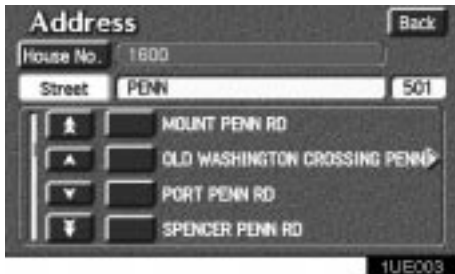



After each letter is input, the system searches the database for street names that match. Alphabet keys are dimmed if the database does not have a match for the next letter in the remaining list of matching street names.

When you input numerals, touch the **“0-9”** switch to display the screen for numeral input.

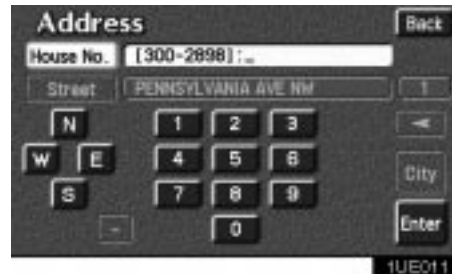
Based on your input, the number of matching sites appears at the top right of the screen. After the number decreases to some extent, touch the **“List”** switch to display the street selection list. If the number of matches decreases to 4 or less, the screen changes automatically to the selection list.

Destination Input by Address

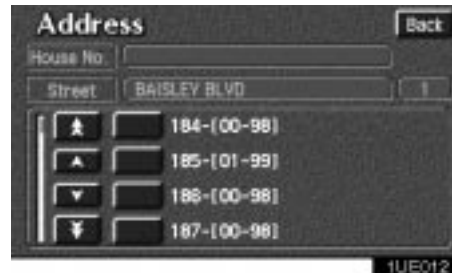


When you find your desired street name, touch  of the item. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 26.)

If the same address exists in more than one city, the current screen changes to the screen to select the city. Select or enter your desired city.



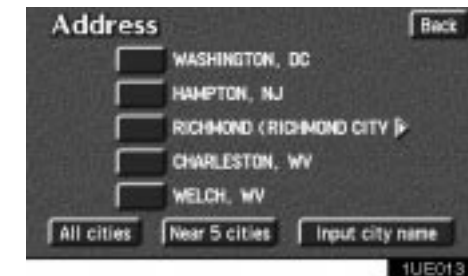
If you input a street name first, the screen changes. You can then input the house number.



If the above screen appears, you can select an address range on that screen.


(b) Selecting a city to search

The screen for selecting last 5 cities appears if you touch the “City” switch on the Address screen on page 10.



Last 5 cities are displayed on the screen.

If you have not used the navigation yet, any city is not displayed on the screen.

Touch the  of the desired city name. The current screen changes to the screen which is for inputting a street name.

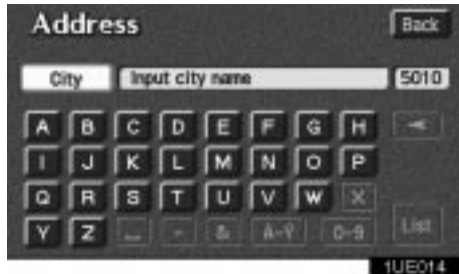
All cities: All cities are selected.

Near 5 cities: Near 5 cities are displayed. Selecting a city in the list changes to the display to input a street name.

Input city name: The screen for inputting the city name appears.

Destination Input by Address

The screen for inputting a city name appears if you touch the **“Input city name”** switch on the Address screen.



Input the city name.

After the number decreases to some extent, touch the **“List”** switch to display the city selection list. If the number of matches decreases to 4 or less, the screen changes automatically to the selection list.

Touch the  of the desired city name.

The current screen changes to the screen which is for inputting a street name. After inputting a street name, the screen may change to the screen which is for inputting a house number. Input a house number. Then touch the **“Enter”** switch to display the map screen.

The screen changes and displays the map location of the selected destination and the route preference. (See **“(a) Entering destination”** on page 26.)

Destination Input by POI

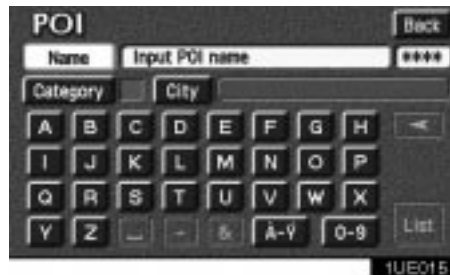
There are 3 ways to select a point of interest location.

- (a) Input the name directly
- (b) Selecting a city to search
- (c) Selecting from the categories

It will not take a long time for you to find your destination if you use a combination of the searching ways of (a), (b) and (c).

(a) Input the name directly

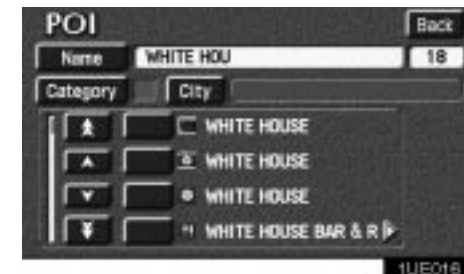
Touch the “POI” switch on the Destination screen.




The POI screen appears, and then you can input the name of the point of interest.

Touch letters directly on the screen to input a name. When you input numerals, touch the “0-9” switch to display the screen for numeral input.

If the number of sites becomes 4 or less, or if you touch the “List” switch at the bottom right of the screen, the screen changes and displays a list of sites.



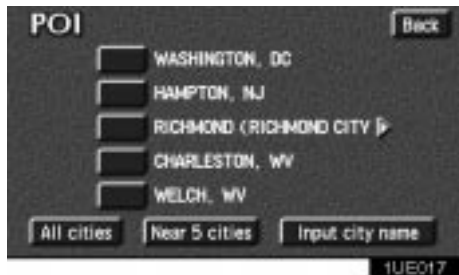
Touch the  of your desired destination. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 26.)

If the same name exists in more than one city, you can search it more easily with the “City” and “Category” switch. (See (b) Selecting a city to search and (c) Selecting from the categories.)

Destination Input by POI

(b) Selecting a city to search

Touch the “City” switch on the POI screen.



Last 5 cities are displayed on the screen.

If you have not used the navigation yet, any city is not displayed on the screen.

Touch the [icon] of the desired city name. The current screen changes to the screen which is for inputting a name of POI.

All cities: All cities are selected.

Near 5 cities: Near 5 cities are displayed. Selecting a city in the list changes to the display to input the name of the POI.

Input city name: The screen for inputting the city name appears.



Input the city name.

If the number of sites becomes 4 or less, or if you touch the “List” switch on the screen, the screen changes and displays the selection list.

Touch the [icon] of the desired city name.

After entering the city name, input the name of the POI.

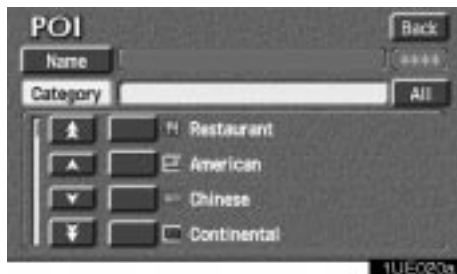
(c) Selecting from the categories

Touch the “Category” switch on the POI screen.

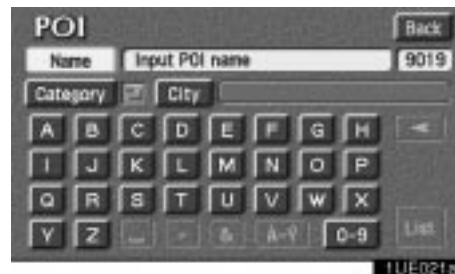


The categories are shown on the screen. When you touch the icon switch of your desired category, more detailed categories are shown.

Destination Input by POI

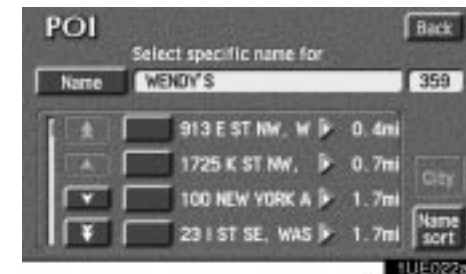


When you touch the **Category** of your desired category, the screen changes and displays the menu to input a name.



Once you have selected a category, you can touch letters directly on the screen if you input a name. When you input numerals, touch the "0-9" switch to display the screen for numeral input.

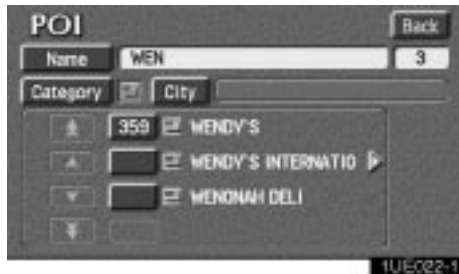
If the number of sites becomes 4 or less, or if you touch the "List" switch at the bottom right of the screen, the screen changes and displays a list of sites.




If you input the name of the specific point of interest and if the number of sites with the same name is more than 2, the "Name sort" switch will be shown.

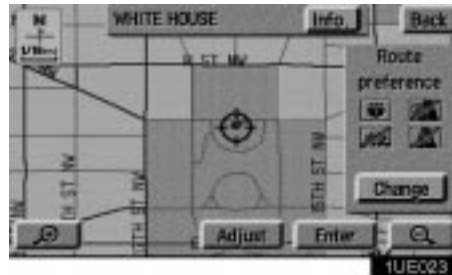
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Destination Input by POI



Touch the **“Name sort”** switch on the screen. A listing of all the items is displayed in alphabetical order.

When you touch the  of your desired item, the screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 26.)



Touch the **“Info.”** switch on the screen to display the selected destination name, address and telephone number.

INFORMATION

The desired point of interest can be displayed on the Map screen. (For details, see page 48.)

POI (Points of Interest) icons



AUTOMOBILE CLUB



AUTO SERVICE & MAINTENANCE



GAS STATION



LEXUS DEALERSHIPS
(all search areas)



PARKING GARAGE/HOUSE



PARKING LOT



TOYOTA DEALERSHIPS
(all search areas)

Destination Input by POI



ATM



HOSPITAL



MARINA



BANK



LIBRARY



MUSEUM



CITY HALL



POLICE STATION



PARK/RECREATION
(all search areas)



CIVIC/COMMUNITY CENTER



SCHOOL



PERFORMING ARTS



CONVENTION/EXHIBITION
CENTER



AMUSEMENT PARK
(all search areas)



SKI RESORT



COURT HOUSE



CASINO



SPORTS COMPLEX



HIGHER EDUCATION



GOLF COURSE



TOURIST ATTRACTION
(all search areas)

I

Destination Input by POI



WINERY



JAPANESE



BUS STATION



RESTAURANT



MEXICAN



COMMUTER RAIL STATION



AMERICAN



SEAFOOD



FERRY TERMINAL



CHINESE



OTHER



HISTORICAL MONUMENTS



CONTINENTAL



GROCERY STORE



HOTEL



FRENCH



SHOPPING



PARK AND RIDE



ITALIAN



AIRPORT (all search areas)



RENTAL CAR AGENCY

Destination Input by POI



REST AREA



TOURIST INFORMATION



TRAIN STATION



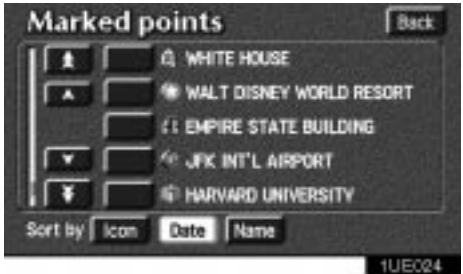
BUSINESS FACILITY




CITY PLACE CENTER/NAMED

Destination Input by Marked Points

Touching the “Marked points” switch on the Destination screen displays your list of registered marked points. See page 70 on registering and editing marked points.



When you touch the  of your desired item, the screen changes and displays the map location of the selected destination and the route preference. (See “Entering Destination” on page 26.)

There are 3 ways to list the marked point by touching switches on bottom of the screen.

Sort by Icon: Touch this switch to list the marked points by the registered icon. There are 46 icons and 3 sound icons. (For details, see page 70.)

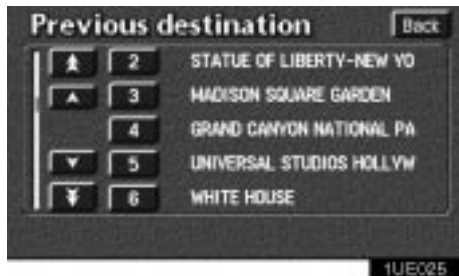
Sort by Date: Touch this switch to list the marked points in order of registered date.

Sort by Name: Touch this switch to list the marked points in alphabetical order.



Destination Input by Previous Destination

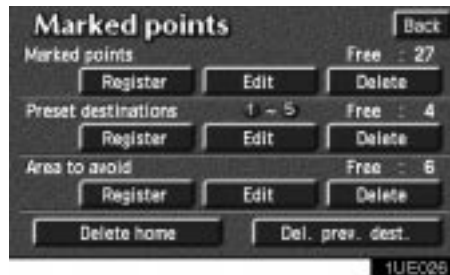
Touch the **“Previous dest.”** switch on the Destination screen.



The screen lists to 20 previously set destinations.

Select your desired destination. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 26.)

You can delete the list of previous destinations while you stop your car, if you no longer need them.



Push the **“MENU”** button to display the Menu screen and touch the **“Marked points”** switch. Touch the **“Del.prev.dest.”** switch.

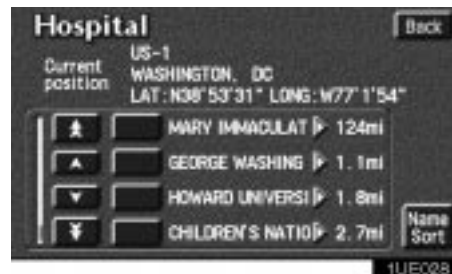
When you touch the switch on each previous destination or **“Delete all”** switch, a message appears to confirm your request. If you are sure, touch the **“Yes”** switch. If not, touch the **“No”** switch.

Destination Input by Emergency

By touching the “Emergency” switch on the Destination screen, the display changes to a screen to select dealers, hospitals or police stations. During driving, only nearby police stations, hospitals or dealers are shown. The current position is shown with an address, the latitude and the longitude at the top of the screen.




When you touch your desired emergency category, the selected emergency category list is displayed.



The distance from your current position up to the destination is displayed on the right of the name.

You can see the names of the emergency destinations in alphabetical order by touching the “**Name Sort**” switch on the screen.

Touch the  of your desired item. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 26.)

Touch the “**Info.**” switch on the screen to display the selected emergency destination name, address and telephone number.

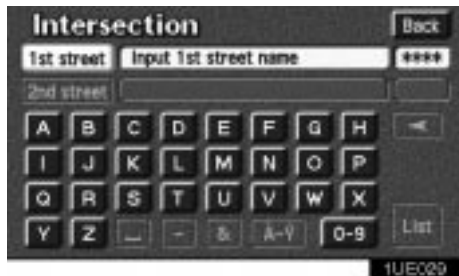
INFORMATION

The navigation system does not guide in areas where route guidance is unavailable. (See page 57.)

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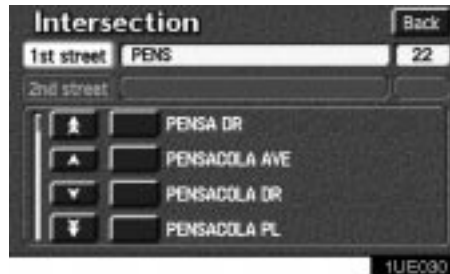
Destination Input by Intersection


Touch the “Intersection” switch on the Destination screen.

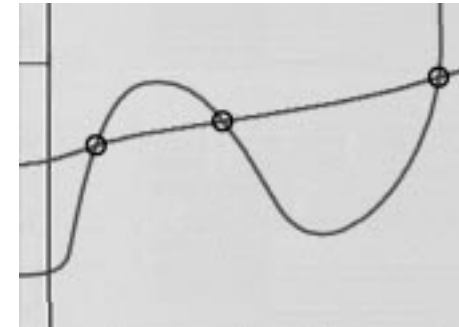


Input the name of the two intersecting streets which are located near the destination to be set.

When you touch the “List” switch or the number of sites becomes 4 or less, the list of matching street names appears.



Touch the  of your 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 “(a) Entering Destination” on page 26.)



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 “(a) Entering Destination” on page 26.)

Destination Input by Freeway Entrance or Exit


To input a freeway entrance or exit, touch the “FWY Ent./Exit” switch on the Destination screen.



Be sure to use the complete name of the freeway, 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).

As the number of matching freeways decreases, you can touch the “List” switch to display the list. When the number of sites becomes 4 or less, the list screen appears automatically.




Select the desired freeway by touching the .



You can then select either a freeway “Entrance” or “Exit”.



Touch the  of the desired entrance or exit name. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 26.)



Destination Input by Freeway Entrance or Exit

There are 2 ways to list the freeway entrance or exit.

Dist. sort: Touch this switch to list the entrances or exits in order of distance from your current location.



Name sort: Touch this switch to list the entrances or exits in alphabetical order.

Destination Input by Previous Starting Point

Touch the **“Previous starting point”** switch on the Destination screen.

The screen changes and displays the map location of the previous starting point and the route preference. (See **“(a) Entering Destination”** on page 26.)

If you have not used the navigation yet, the **“Previous starting point”** switch is dimmed.

I

Destination Input by Map

Touch the **“Map”** switch on the Destination screen.

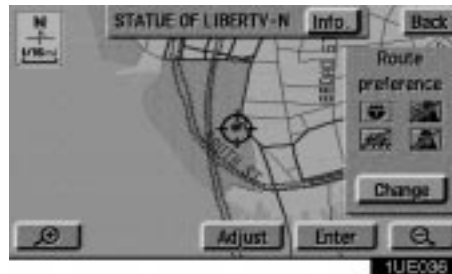



The screen changes and displays the map location that is previously displayed just before the destination input operation and the route preference. (See “(a) Entering Destination” on page 26.)

Setting and Deleting Destination

(a) Entering destination

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



You can move and set the cursor  at a desired point. (For the method of how to move the cursor, see page 5.)

When you touch the **“Enter”** switch, the system starts searching for a route to your destination using the conditions entered.

Route preference

Touch the **“Change”** switch to change the conditions which are to determine the route to your destination.

You are given a number of choices on the conditions which the system uses to determine the route to your destination.



Touch the **“Detour”** switch of **“Freeway”** to search for a route other than freeways as much as possible. (In some cases, the route cannot avoid running on a freeway.)

Touch the **“Detour”** switch of **“Toll road”** to search for a route other than toll roads as much as possible.

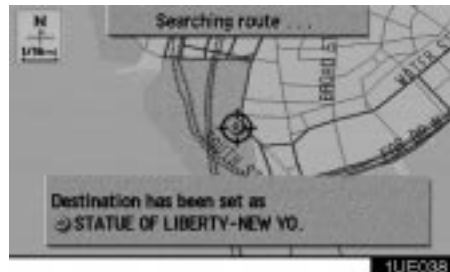
Touch the **“Detour”** switch of **“Ferry”** to search for a route without using a ferry as much as possible.

Setting and Deleting Destination

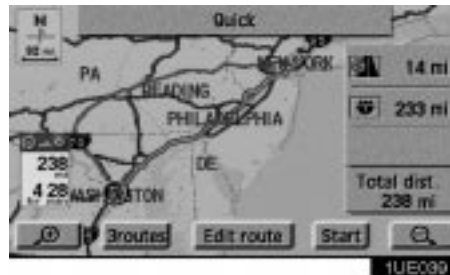
Touch the **“Detour”** switch of **“Restricted road”** to search for a route other than restricted road.

Touching the **“Allow”** switch on each item allows to use it.

The switches you select are highlighted in green. After choosing conditions, touch the **“OK”** switch.



The system starts searching for a route to your destination.



If you want to see the other routes and make a comparison, touch the **“3 routes”** switch. Three types of the routes are displayed on the screen.

Quick: A route on which you can reach the destination in the shortest time
This route is shown as a orange line.

Short: A route on which you can reach the destination in the shortest distance
This route is shown as purple line.

Alternative: Other route
This route is shown as a green line.

Touch the switch to select the route.

If you want to add a destination, see the following “(b) Adding destination”.

After selecting one, you can start the route guidance by touching the **“Start”** switch or starting to move your vehicle.

If you want to change the search condition, touch the **“Edit. route”** switch. The screen changes and displays the Edit route screen. (For details, see page 34.)

When you keep touching the **“Start”** switch until you hear a beep, Demo mode will start.

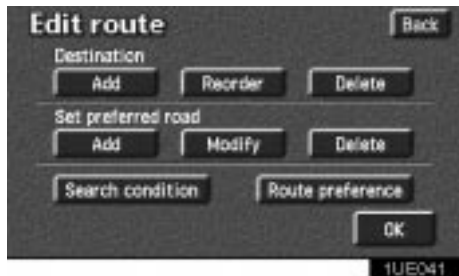
Setting and Deleting Destination

(b) Adding destinations

1. Push the “MENU” button to display the Menu screen.

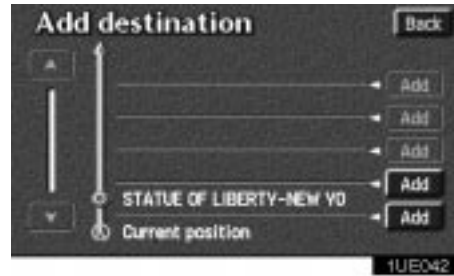


2. Touch the “Edit route” switch.



3. Touch the “Add” switch of Destination.

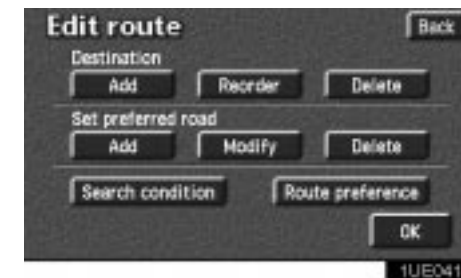
4. Input an additional destination in the same way as the destination input. (See page 26.)



5. The Add destination screen appears. Touch the “Add” switch that you want to add a destination.

(c) Reordering destinations

1. Push the “MENU” button to display the Menu screen and touch the “Edit route” switch.



2. Touch the “Reorder” switch of Destination.

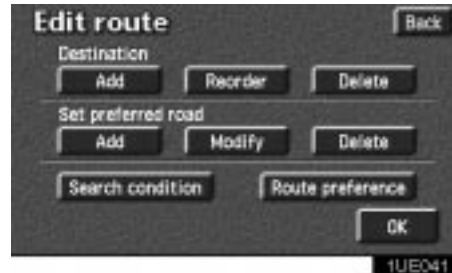
Setting and Deleting Destination



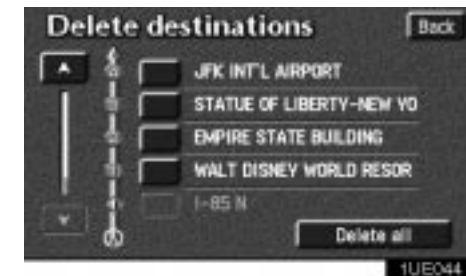
3. Select the destinations in the order of arrival by touching the ☐ switch.

After you finished selecting the destinations, touch the **“OK”** switch. The previous screen returns.

(d) Deleting destination



1. Touch the **“Delete”** switch of Destination.



2. Touch the ☐ switch of destination where you want to delete. Touch the **“Delete all”** switch if you want to delete all destinations.

3. The message appears to confirm your request to delete. To delete the point(s), touch the **“Yes”** switch.

If you touch the **“Yes”** switch, the data cannot be recovered.

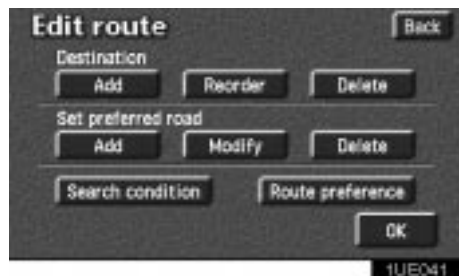
If you touch the **“No”** switch. The previous screen will return.

Setting and Deleting Preferred Road

(a) Adding a preferred road




Touch the “Edit route” switch on the Menu screen.



Touch the “Add” switch of Set preferred road. The following screen appears.



Move the cursor  to your desired location and touch the “Preferred road” switch.

Messages appear to confirm your request on the screen. Touch the “Enter” switch to register the road.

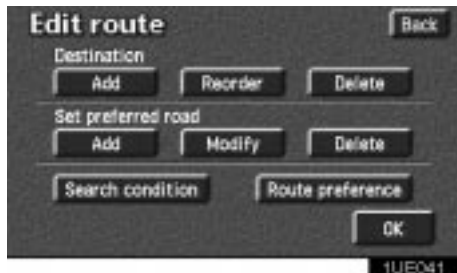
Touch the “Next” switch when you change the road.



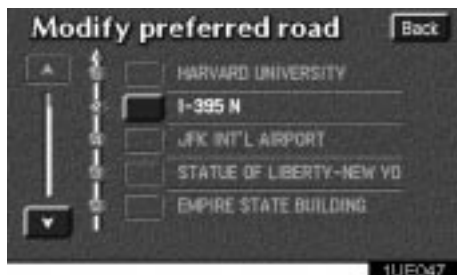
The Add preferred road screen appears. Touch the “Add” switch where you want to add a preferred road.


Setting and Deleting Preferred Road

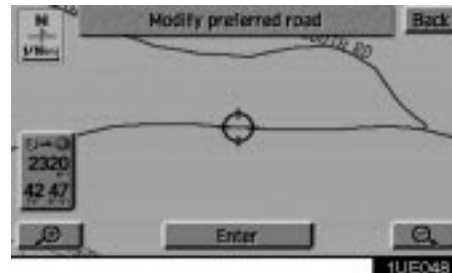
(b) Modifying a preferred road



Touch the **“Modify”** switch of Set preferred road. The modify preferred road screen appears.



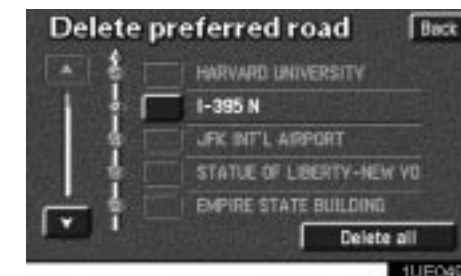
Select the preferred road which you want to modify and touch the  switch.



Do the same procedure as adding a preferred road (see page 30).

(c) Deleting a preferred road

1. Touch the **“Delete”** switch of Set preferred road. The Delete preferred road screen appears.



2. Select the preferred road which you want to delete. Touch the **“Delete all”** switch if you want to delete all preferred road.

3. Messages appear to confirm your request to delete the preferred road. To delete the point(s) touch the **“Yes”** switch.

If you touch the **“Yes”** switch, the data cannot be recovered.

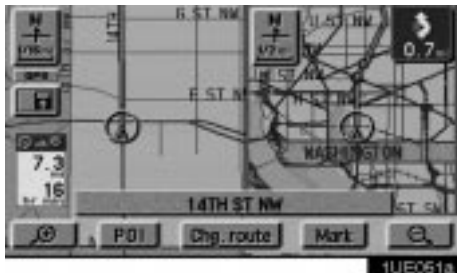
If you want to try again or cancel deletion, touch the **“No”** switch. The previous screen will return.

Route Guidance Screen

The route guidance system displays two different screen modes.



Single map: Map is shown in a screen.



Dual map: Two different maps are shown in a screen.



Split screen: Map and guidance screen are shown in a screen mode. (For detail about Guidance screen, see page 49.)

The two route guidance screens have a number of indicators and switches with which you should be familiar.



Map/guidance:
To change the screen mode.



Upon reception of signals from the GPS (Global Positioning System), this mark appears. (For details, see page 54.)



These switches magnify or reduce the map scale. (For details, see page 51.)



Touch this switch, and icons of points of interest are shown on the screen. (For details, see page 47.)



Touch this switch for one-touch registration of the marked point. (For details, see page 75.)

Route Guidance Screen

INFORMATION

- The distance to your destination appears on the left of the screen.
- The time to your destination can also be displayed. (For the setting steps, see page 86.)



The Change route screen appears and the following settings are available.



Search condition: To change the condition for Reroute.

Detour: To change the condition for Detour. (For details, see page 46.)

Del. next dest.: To delete and skip the next destination.

INFORMATION

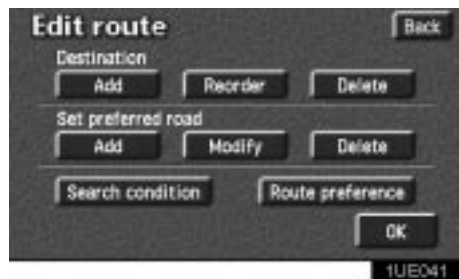
If the calculated route includes a trip by ferry, the route guidance shows a sea route. After you travel by ferry, the current vehicle position may be incorrect. Upon reception of GPS signals, it is automatically corrected.

I

Route Guidance Screen

Search condition

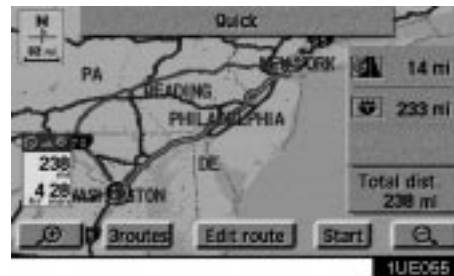
Push the “MENU” button to display the Menu screen and touch the “Edit route” switch.



Touch the “Search condition” switch. The search condition screen appears.



Touch the “Quick” or “Short” switch and touch the “OK” switch.



Route overview



Touch the “Route overview” switch on the Menu screen.



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

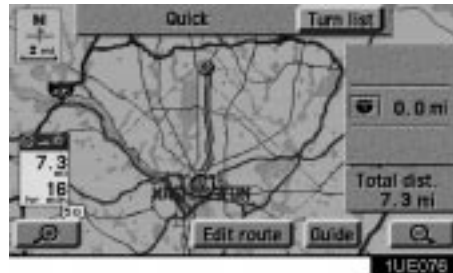
Route Guidance Screen

Turn list

You can change from the Map screen to a Turn list screen that displays the list of the roads up to your destination. This list can be used for a route guidance.





1. Push the “MENU” button to display the Menu screen and touch the “Route overview” switch.



2. The screen will change to the Entire route map screen where you can touch the “Turn list” switch.



You can scroll through the list of roads by touching  or  switch. 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 name closest to the starting point will be displayed with a mileage to the next turn.



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

Route Guidance Screen

Touch the “Map” switch of your desired point. The point which you choose is displayed on the Map screen.

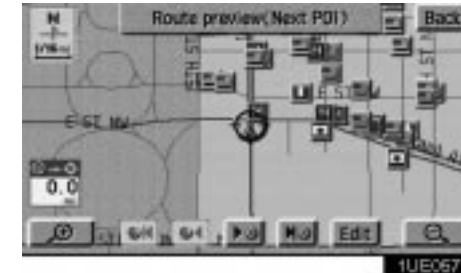


INFORMATION

- *The current vehicle position mark appears at the bottom of the screen next to the name of the street you are driving on. The mark does not move.*
- *If you leave the guidance route, the name of the street you are on is not shown on the list next to the current vehicle position mark.*
- *If the road type you are on changes between a highway, a main street or a residential street (at an interchange or fork), it will appear on the turn list.*
- *If a long route has been selected, it may take a long time to display the turn list.*
- *Push the “MAP/VOICE” button to return to the map display with a route guidance.*

Route Preview

Touch the “Route preview” switch on the Menu screen. The route preview screen appears.



To indicate the next destination or selected POI



To preview the route to the next destination or selected POI



To preview the route to the next destination in fast-forward mode



To stop the preview



To review the route to the current position

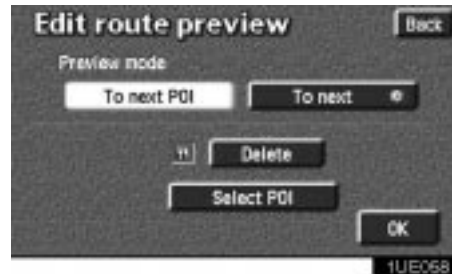
Route Preview



To review the route to the current position in fast-forward mode




To indicate the current position



Touch the “Edit” switch, the Edit route preview screen appears.

To next POI: Preview the Next POI

To next : Preview the Next destination

Delete: To delete the POI icon.

Select POI: To select the POI icon.

Touch the “OK” switch after the selection.

Current Position Display



The current vehicle position mark appears in the center of the map screen. You can return to this map screen showing your current position at any time from any screen by pushing the “MAP/VOICE” button.

During driving, the current vehicle position mark is fixed in the center of the screen and the map moves.

If you move the map with a “one-touch” scroll (see page 52 for details), the current vehicle position mark continues to track your current location.

Current Position Display

INFORMATION

When you use the “one-touch” scroll feature, 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.

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

INFORMATION

After the 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.

If you must correct the current position manually, follow the steps on page 80.

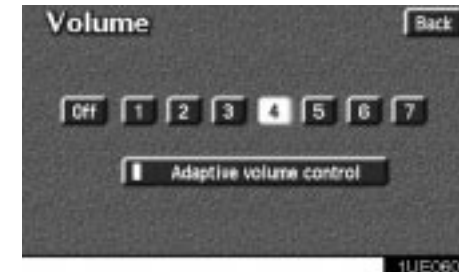
Voice Guidance

Voice guidance is offered automatically during route guidance. Use voice guidance just for your reference.

You can adjust the volume of the voice or turn off voice guidance.



Push the “MENU” button to display the Menu screen. Then touch the “Volume” switch on the Menu screen.

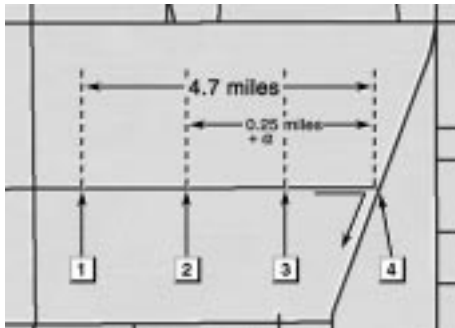


Touch any number to select the desired volume. Touching the “Off” switch turns the voice route guidance off. If you turn the “Adaptive volume control” on, the volume is turned up automatically when the vehicle speed exceeds 80 km/h (50 mph).

INFORMATION

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

Typical Voice Guidance Prompts

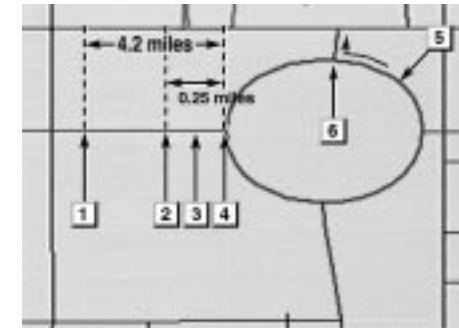


The voice guidance provides various messages as you approach an intersection, or other point where you need to maneuver the vehicle.

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

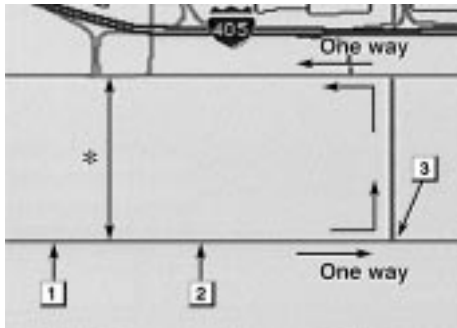
INFORMATION

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.



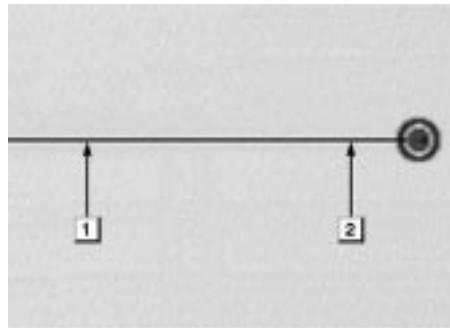
- 1 "Proceed about 4 miles to the traffic circle."
- 2 "In a quarter of a mile, traffic circle ahead, and then 3rd exit."
- 3 "The 3rd exit ahead."
- 4 (Beep sound only)
- 5 "The exit ahead."
- 6 (Beep sound only)

Typical Voice Guidance Prompts



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

Registering Your Home

If you register your home address beforehand, you can easily set the route back to your home.



1. Push the “MENU” button to display the Menu screen and touch the “Marked points” switch.



2. Touch the “Reg. home” switch of Marked points screen for registering your home.

If your home is registered, the “Delete home” switch will be shown.



You may register the location of your home by some different methods: current position, address, map location, etc. Touch the screen to select your desired method from the menu.

Input your home in the same way as the destination input. (See page 26.)

Registering Your Home

Deleting your home



1. Push the **“MENU”** button to display the Menu screen and touch the **“Marked points”** switch.



2. Touch the **“Delete home”** switch of **“Marked points”** screen.



The screen changes and displays the map location of home and a message. If you are sure that you want to delete the point, touch the **“Yes”** switch. If not, touch the **“No”** switch.

Registering Preset Destinations

You can register up to 5 preset destinations

1. Push the “MENU” button to display the Menu screen and touch the “Marked points” switch.



2. Touch the “Register” switch of Preset destinations ①~⑤.



3. Touch the “①~⑤” switch that you want to register the preset destination.

If you have already registered the preset destination, you can overwrite on the present registered destination.



4. Input the preset destination in the same way as the destination input. (See page 26.)

Registering Preset Destinations

Editing preset destinations

1. Push the “MENU” button to display the Menu screen and touch the “Marked points” switch.



2. Touch the “Edit” switch of Preset destinations ①~⑤.



3. Select the preset destination that you want to edit and touch the  switch.

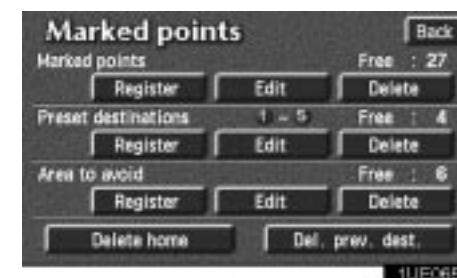


You can change the name, location and phone number of the preset destination.

Touch the “Change” switch. (See page 72.)

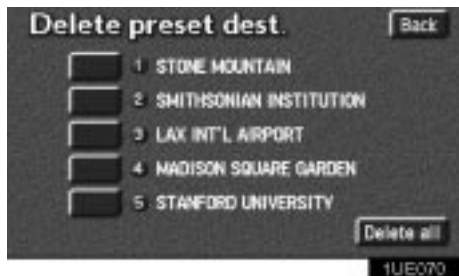
Deleting the preset destinations


1. Push the “MENU” button to display the Menu screen and touch the “Marked points” switch.



2. Touch the “Delete” switch of Preset destinations ①~⑤.

Registering Preset Destinations



3. Select the preset destination that you want to delete and touch the  switch.

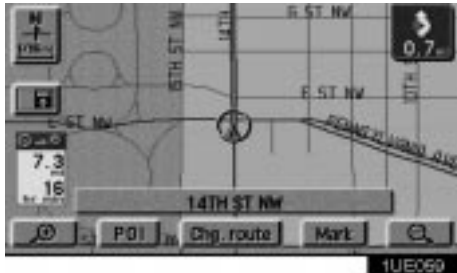
If you want to delete all the preset destinations, touch the "Delete all" switch.

Messages appear depending on the type of deletion. If you want to delete, touch the **"Yes"** switch. To cancel the deletion, touch the **"No"** switch.

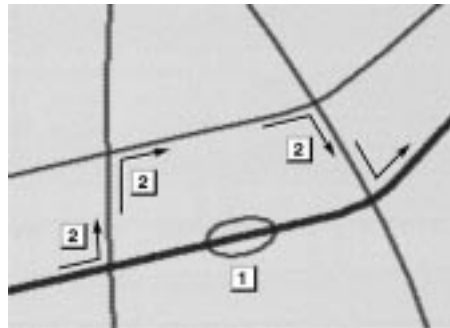


Detour Setting

When you are driving 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, an accident, etc.



Touch the “Chg. route” switch if you encounter a reason to divert from the selected route.



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

- 1 This part indicates the location where traffic jam is occurring due to road repairs or an accident.
- 2 Detour route suggested by the system



When you touch the “Chg. route” switch, the screen changes to a change route screen that allows you to select the distance you want to detour. Touch one of the numeral keys to start the detour process. After detouring, the system returns to the original guidance route.

Whole route: If you touch this switch, the system will calculate an entire new route to the destination.

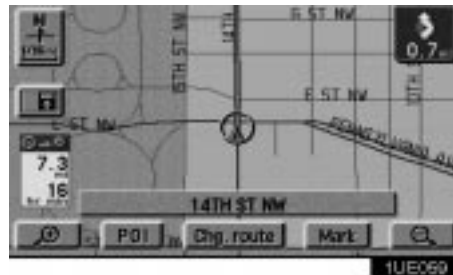
Detour Setting

INFORMATION

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

Displaying POI

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.



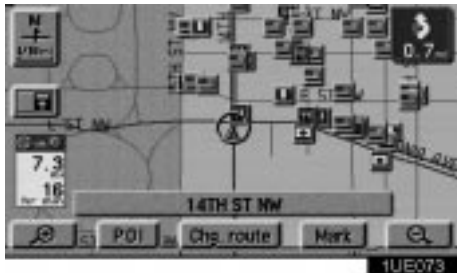
To display a particular type of point of interest on the screen, touch the “POI” switch on the Map screen.



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Displaying POI

A window with a limited choice of points of interest will be displayed. When you touch your desired type of point of interest, icons will appear on the Map screen indicating where the POI addresses are located.



More: If you cannot find your desired point of interest on the limited choice screen, touch this switch. The screen then displays the complete POI listing screen. You can display up to 5 categories of icons on the screen.



When you select a point of interest type from either the limited list or the complete list, the screen will display icons at those locations on the Map screen.

Touching the **“Delete”** switch will delete the last selected icon.

Local POI list: If you want to search the nearest point of interest, touch this switch. Then choose one of the categories. The system will list the points within 20 miles (32 km).


You can sort the local POI list by three different ways as follows.

Icon: In the order of the POI icons

Dist.: In the order of distance from your current location.

Name: In the alphabetical order

By turning the **“Route”** switch on, you can search the POI on the route when in the route guidance mode.

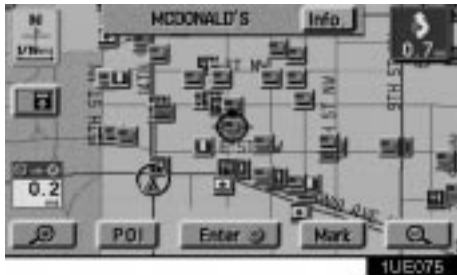
Touch the  of your desired point of interest. Points of interest which you chose are displayed on the Map screen.

To turn off the icons of the points of interest on the Map screen, touch the “POI off” switch.

Displaying POI

Setting 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 a route guidance.



Directly touch the icon of the point of interest that you want to set as a destination.

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

The name of the point of interest and the “Info.” switch on the screen are displayed at the top of the screen. When you touch the “Info.” switch on the screen, the information such as the name and address, etc. are displayed.

When your desired point of interest overlaps with the cursor, touch the “Enter” switch. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 26.)

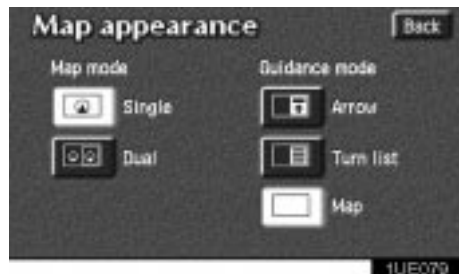
Map Appearance

You can select the single screen map or the dual screen map and you can change the half of the screen to the Guidance screen by touching the Map/Guidance switch while the Map screen is displayed. You can choose one of two types of guidance screen.



1. Push the “MENU” button to display the Menu screen and touch the “Map appearance” switch.

Map Appearance



2. The screen will change to the Map appearance screen and you can select the Map mode and Guidance mode.

Map mode



To display single map screen



To display dual map screen

Guidance mode



To display arrow screen

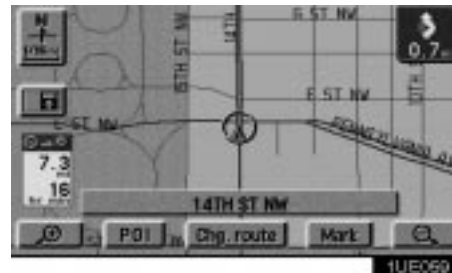


To display turn list screen



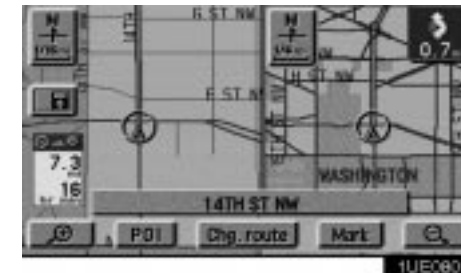
To display map screen

Single map



This screen shows the single map.

Dual map



The screen shows the Dual map. The map on the left side is the main map. You can change the scale of the right side map by touching it. The screen turns into the edit mode. You can also select to show POI icons on the right side map.

Map Appearance

Arrow screen



This screen shows the current road name and the distance to the next corner.





Turn list screen



The screen shows the Turn list. You cannot scroll through the list of roads.

Map Scale





Touch  switch or  switch 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 runs from 1/32nd of a mile to 128 miles. Touch  switch or  switch until the scale bar changes normally. If you continue to hold your finger on the switch, the scale bar changes smoothly.

You can change the scale of the map display by touching the scale bar directly. It is not available during driving.

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

Map Scale


INFORMATION

When the map scale is at the maximum range of 128 miles,  will disappear. When the map scale is at the minimum range of 1/32nd mile,  will disappear.

Screen Scrolling



If you wish to look at a different point on the map other than your current vehicle position, you can bring the desired point to the center of the screen by using the scroll feature.

Touch any point on the screen, and that point moves to the center of the screen and is shown by the cursor mark. You can then set this place as a destination. Touch the “**Enter** ” switch on the screen.

If a destination is already registered, you can add a destination.

If you continue to hold your finger on the screen, the map will continue scrolling in that direction until you lift your finger.

If you touch switches like “**Mark**”, “**POI**”, etc., the screen does not scroll and the respective function operates.

After scrolling the screen, the map remains centered at the selected location until you activate another function. The current vehicle position mark will continue to move along your actual route and may move off the screen. When you push the “**MAP/VOICE**” button, the current vehicle position mark returns to the center of the screen and the map moves as you proceed on your route.

INFORMATION

If you enter a destination using the screen scrolling function, the road nearest to the point you touched is set as the destination.

Orientation of the Map



You can change the orientation of the map from North-up to Heading-up by touching the direction symbol at the top left of the screen.



North-up symbol

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



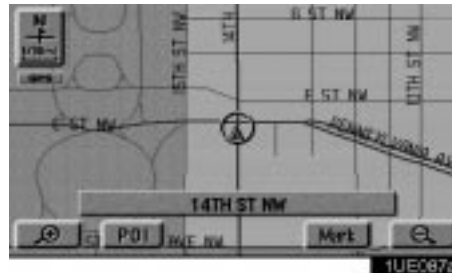
Heading-up symbol

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

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 using 3 to 4 satellites. The GPS system has a certain level of inaccuracy built in for security reasons. While the navigation system will compensate for this most of the time, occasional positioning errors up to 300 feet 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 installation of window tinting may also obstruct the GPS signals. Most window tinting contains some metallic content that will interfere with the GPS signal reception. We recommend not to use the window tinting on vehicles equipped with navigation systems.

The GPS satellites may not send signals due to repairs or improvements being made to them.

Even when the navigation system is receiving good GPS signals, the vehicle position may not be shown accurately or inappropriate route guidance may occur in some cases.

Limitations of the Navigation System

(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 spiral 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 directions 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 the 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.

INFORMATION

If your vehicle cannot receive GPS signals, you can correct the current position manually. For the information on setting the current position calibration, see page 80.

(b) Inappropriate route guidance may occur in the following cases:

- When turning at a wrong intersection off the designated route guidance
- If you set more than one destinations, auto reroute will display a route returning to the destination on the previous route when you try to skip any of the destinations.
- When turning at an intersection, there is no route guidance.
- When passing through the intersection, there is no route guidance.
- During automatic rerouting, 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.

Limitations of the Navigation System

- 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 reason.
- The road and map data stored in your navigation system may not be complete or may not be the latest release.

When replacing the tire(s), do the calibration. See page 80 for detailed information.

Map Database Information and Updates

Map database is made based on the maps, 2001 edition of DENSO, whose information source comes from NavTech maps and GDT maps.

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INFORMATION

For the up-dated map DVD-ROM, contact your Lexus dealer.

There are two types of areas available for route guidance. (See the following pages.) 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 accurate map information as much as possible, we are always gathering information such as road repairs and doing site investigation. However, the names of roads, streets, facilities, and their locations are often changed. 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 dealer for updating a map database.

Map Database Information and Updates





DVD: To determine which version of the database is currently in your vehicle, touch the “**DVD**” switch on the Menu screen. It displays the map database version date. Contact your dealer to find out if there is a more recent update released.

Map Database Information and Updates

Route guidance availability

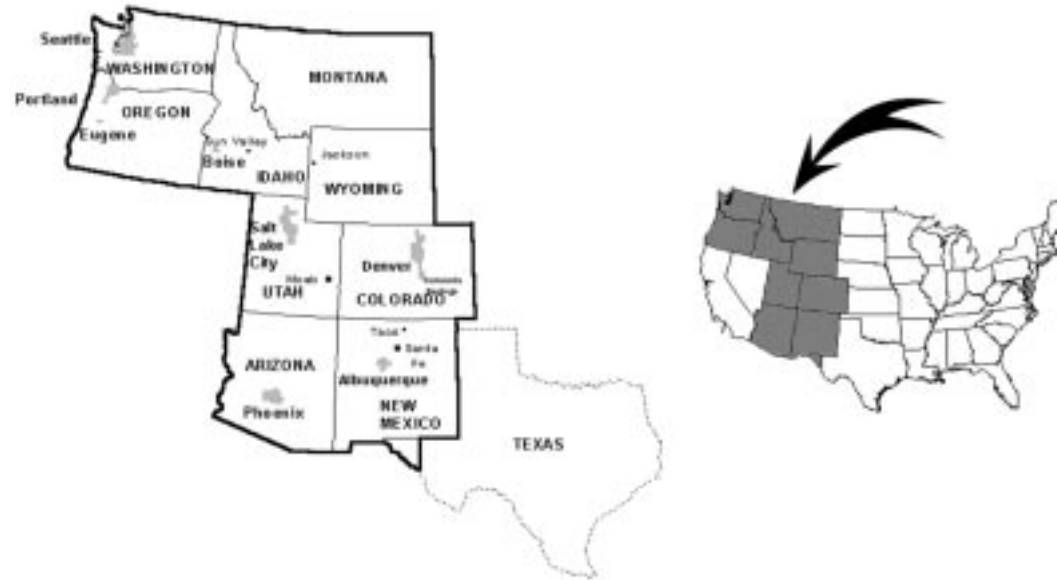


2000 by Nav Tech

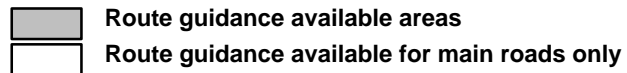
-  Route guidance available areas
-  Route guidance available for main roads only

Map Database Information and Updates

Route guidance availability



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


Map Database Information and Updates

Route guidance availability



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
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Map Database Information and Updates

Route guidance availability



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
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Map Database Information and Updates

Route guidance availability



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-  Route guidance available areas
-  Route guidance available for main roads only





Map Database Information and Updates

Route guidance availability



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-  Route guidance available areas
-  Route guidance available for main roads only

Map Database Information and Updates

Route guidance availability



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-  Route guidance available areas
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Map Database Information and Updates

Route guidance availability

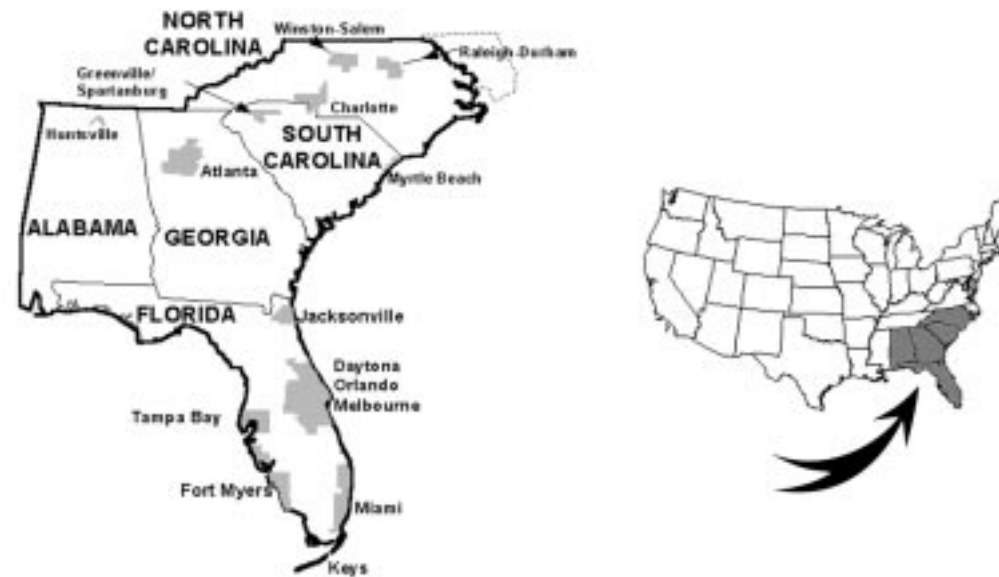


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
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Map Database Information and Updates

Route guidance availability



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
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Map Database Information and Updates

Route guidance availability



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