

SECTION *I*

BASIC FUNCTIONS

I

Descriptions of basic operations in frequent use

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Your Navigation System



Push the "OPEN/CLOSE" button to open or close the retractable navigation display and turn the system on or off. Pushing the "MAP/VOICE", "MENU", "DEST", or "INFO" button on the navigation controller can also open the display 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 display will be automatically opened and the system will turn on the previous mode you used.

If the retractable navigation display is stopped in the middle of the opening (closing) operation, push the "OPEN/CLOSE" 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.



To close the display with the navigation controller, push the "DISP" button and select "Close" switch on the "display adjustment" screen shown above.



CAUTION

Take care not to jam your hands while opening or closing the retractable navigation display. Otherwise, you could be injured.

NOTICE

Do not hold the retractable navigation display while it is opening or closing. It could damage your navigation system.



Your Navigation System

When the display is hard to be read due to the lights from your surroundings, the display can be tilted. If the display is in position **1**, each push of the "TILT" button will tilt the display to position **2**, **3**, **4** 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.



To tilt the display with the navigation controller, push the "DISP" button and select "Tilt" switch on the "display adjustment" screen shown above.



CAUTION

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



NOTICE

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

Inputting Letters and Numbers

The navigation system operates by navigation controller. To input letters and/or numbers, move the select and scroll lever to the 8 directions, and when the letter or number you wish to input is lit up, push the "ENT" button. A beep sound is heard, and the letter or number is input. Repeat this procedure to input the name or number, etc.



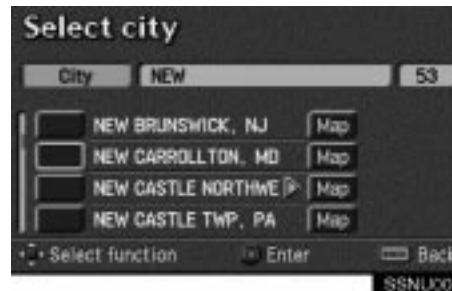
If you type a wrong letter, delete it using the  switch. Selecting the  switch erases one letter.

Selecting the "List" switch on the screen, the screen will be changed to display 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.

To input numerals, select the "0-9" switch and the display will change the screen to number input display.







Selecting the "A-Z" switch changes the screen back to the alphabet input screen.



When a list is displayed, you can scroll the list by using select and scroll lever on the navigation controller.




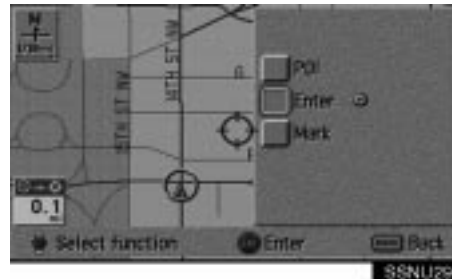
This expresses a displayed screen position.


If a  or a  appears to the right or left of the item name, the complete name is too long for the display. Select the  or  switch, and the name will scroll to the end or beginning of its name.

How to Move the Cursor



1. Move the cursor  to the desired point by operating the select and scroll lever. When you release the lever, scrolling stops.





2. In case of making the position indicated by the cursor  on the display as a destination, push "ENT" button of the navigation controller and select your desired switch on the "switch menu" on the right of the screen.

Destination Input

Push the "DEST" button on the navigation controller and the "Destination" screen appears.



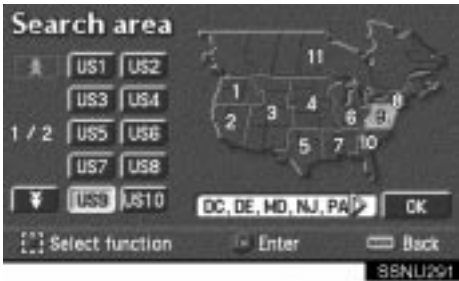
The destination screen allows you to select the country to be searched for your destination.

-  To shift to the next or previous page.
- 

Select the "Change" switch on the screen to display a map of the United States divided into 10 regions and a part of Canada.



Destination Input



Select an area by the select and scroll lever to select the search area and the destination screen returns.

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

United States of America

1	Idaho
	Oregon
	Washington
2	California
	Nevada
3	Arizona
	Colorado
	Montana
	New Mexico
	Utah
4	Wyoming
	Iowa
	Kansas
	Minnesota
	Missouri
	Nebraska
	North Dakota
	South Dakota

5	Oklahoma
	Texas
6	Illinois
	Indiana
	Kentucky
	Michigan
7	Ohio
	Wisconsin
	Alabama
	Arkansas
	Louisiana
8	Mississippi
	Tennessee
	Connecticut
	Maine
	Massachusetts
	New Hampshire
	New Jersey
	New York
	Rhode Island
	Vermont

Destination Input

9	Delaware
	Maryland
	New Jersey
	Pennsylvania
	Virginia
	West Virginia
10	Florida
	Georgia
	North Carolina
	South Carolina

CANADA

11	Alberta
	British Columbia
	Manitoba
	New Brunswick
	Newfoundland and Labrador
	Nova Scotia
	Ontario
	Prince Edward Island
	Québec
	Saskatchewan
	Yukon Territory

You can find your destination using various methods. See page 9 through 23 for the detailed steps.

1. By "Address": You can input the house number and the street address by using the input keys. See page 9 for the detailed steps.

2. By "Point of interest" (POI): You can select one of the many points of interest that have been already stored in the system's database. There are 54 categories to choose from including restaurants, hotels and so on. See page 12 for the detailed steps.

3. By "Marked points": You can select your own favorite destinations as "Marked points". The system allows you to store up 100 marked points. See page 18 for the detailed steps.

4. By "Previous destination": You can select a destination from any of the last 20 previously set destinations. See page 19 for the detailed steps.

5. 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 20 for the detailed steps.

6. 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 21 for the detailed steps.


Destination Input

7. By "Previous start point": You can enter a point where the system has started to guide last time. See page 24 for the detailed steps.

8. By "Freeway Ent./Exit": You can enter the name of the freeway (inter-state) entrance or exit. See page 22 for the detailed steps.

9. By "Map selection": You can select a destination simply by selecting the location on the displayed map. See page 25 for the detailed steps.

10. By "Preset destination (①~⑤)": You can choose the destination by selecting one of the preset destination switch. In this case, it is necessary to register your desired destination beforehand. See page 26 for the detailed steps.

11. By " (home)": 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 25 for the detailed steps.

INFORMATION

- *When inputting the destination, the response to the switch may be slow.*
- *"Points 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", "Home", "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.*

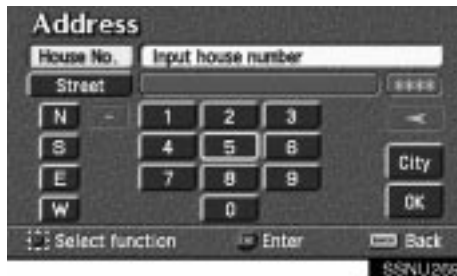
- *To select an "Address", "Point of interest", "Freeway Ent./Exit" or "Intersection" in a different region, a search area's change is necessary.*



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 Address



There are 2 ways to input a destination by address.

(a) Inputting a street name

Select the "Address" switch on the "Destination" screen. The "Address" screen appears, and then you can input a house number.



After inputting a house number, select the "OK" switch which you can input a street name.

It is possible to input a street name first. Select the "**Street**" switch on the display to display the screen which you can input a street name.



After each letter is inputted, 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, select 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, select 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, select ☐ of the item. The screen changes and displays the map location of the selected destination and the route preference. (See "Entering Destination" on page 27.)

If the same street exists in more than one city, the current screen changes to the "Select city" screen. 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) Inputting a city name

The screen for selecting the last 5 towns appears if you select the "City" switch on the "Address" screen on page 9.



5 cities are displayed on the screen.

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

INFORMATION

Under the initial condition, town name will not be displayed.

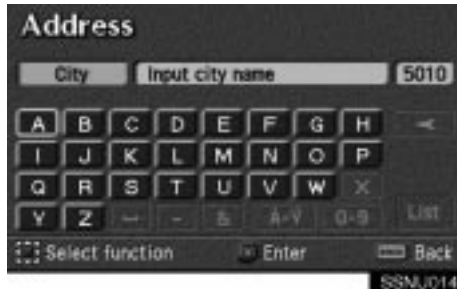
"All cities": All cities are selected.

Destination Input by Address

"5 near cities": 5 near 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.

The screen for inputting a city name appears if you select the **"Input city name"** switch on the "Address" screen.



Input the city name.

After the number decreases to some extent, select 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.



Select the ☐ of the desired city name.

Map: If you select this switch, the screen changes and displays the map location of the selected city and the road preference. (See "Entering Destination" on page 27.)

The current screen changes to the screen which is for inputting a street name.



Input a street name. (See "Input a street name" on page 9.)

The screen changes and displays the map location of the selected destination and the route preference. (See "Entering Destination" on page 27.)

Destination Input by Point of Interest

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

(a) Input the name of the point of interest directly.

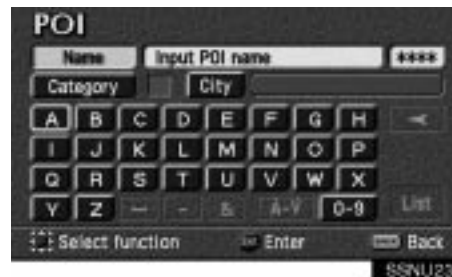
(b) Inputting a city name first.

(c) Selecting from the points of interest 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 of the point of interest directly

Select the "POI" (Point of interest) switch on the "Destination" screen.



The "POI" (Point of Interest) screen appears, and then you can input the name of the point of interest.

Select letters on the screen to input a name. When you input numerals, select the "0-9" switch to display the screen for numeral input.

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



Select the ☐ of your desired destination.

You can search it more easily with the "City" and "Category" switch. (See (b) Inputting a city name and (c) Selection from the point of interest categories.)

Destination Input by Point of Interest

(b) Inputting a city name

Select the "City" switch on the "POI" (Point of interest) screen.



5 cities are displayed on the screen.

Select the ☐ of the desired city name. The current screen changes to the screen which is for inputting a name of point of interest.

INFORMATION

Under the initial condition, town name will not be displayed.

"All cities": All cities are selected.

"5 near cities": 5 near cities are displayed. Selecting a city in the list changes to the display to input the name of the point of interest.

"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 select the "List" switch at the bottom right of the screen, the screen changes and displays the selection list. Select the ☐ of the desired city name.

After entering the city name, input the name of the point of interest.

(c) Selection from the point of interest categories

Select the "Category" switch on the "POI" (Point of interest) screen.



The categories are shown on the screen. When you select the ☐ of your desired category, more detailed categories are shown.

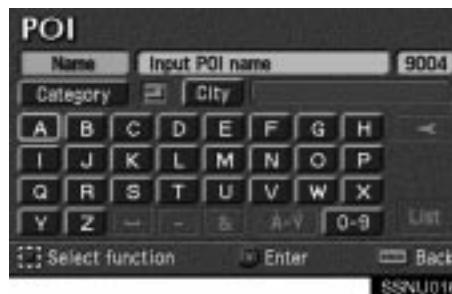
I

Destination Input by Point of Interest



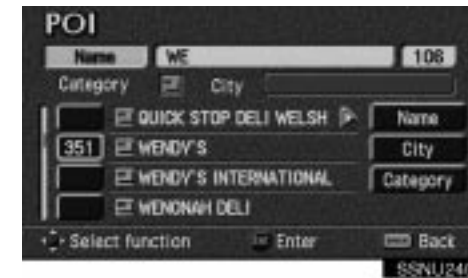
When you select the ☐ of your desired category, the screen changes and displays the previous screen.

"All" categories: You can select the point of interest by the name in all categories.



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

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



When you select 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 27.)

Destination Input by Point of Interest



In case of having some POIs of the same name, this screen appears.

"Name sort": Select this switch to list the categories in alphabetical order.









"Dist. sort": Select this switch to list the categories in order of nearest place from your current location.

INFORMATION
<i>The information on the desired point of interest can be displayed on the map screen.</i>



Select the **"Info."** switch to display the selected destination name, address and telephone number.

List of points of interest

-  RESTAURANT
-  JAPANESE
-  CHINESE
-  FRENCH
-  ITALIAN
-  OTHER
-  AMERICAN
-  CONTINENTAL

I

Destination Input by Point of Interest



MEXICAN



SEAFOOD



SHOPPING



GROCERY STORE



GAS STATION



PARKING GARAGE/HOUSE



PARKING LOT



RENTAL CAR AGENCY



TOYOTA DEALERSHIPS



LEXUS DEALERSHIPS



AUTOMOBILE CLUB



AUTO SERVICE & MAINTENANCE



HOTEL



GOLF COURSE



SKI RESORT



AMUSEMENT PARK



SPORTS COMPLEX



CASINO



MARINA



TOURIST ATTRACTION



WINERY



CITY HALL



POLICE STATION



LIBRARY

Destination Input by Point of Interest



HOSPITAL



COMMUTER RAIL STATION



BANK



PARK/RECREATION



FERRY TERMINAL



SCHOOL



CIVIC/COMMUNITY
CENTER



PARK & RIDE



ATM



CONVENTION/EXHIBITION
CENTER



REST AREA



HIGHER EDUCATION



COURT HOUSE



TOURIST INFORMATION



BUSINESS FACILITY



TRAIN STATION



HISTORICAL MONUMENT



CITY CENTER/NAMED
PLACE



AIRPORT



PERFORMING ARTS



BUS STATION



MUSEUM

I

Destination Input by Marked Point

Selecting the "Marked points" switch on the "Destination" screen displays your list of registered marked points. (Refer to pages 66 through 70 on "Registering", "Editing" or "Deleting" marked points.)



When you select 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 27.)

Then, select the "Enter" switch to start the route guidance. This new destination will not be registered as a marked point or alter the location of the marked point.

There are 3 ways to list the marked point by selecting switches.

Sort by "Icon": Select this switch to list the marked points by using the registered icon. There are 46 icons and 4 sound icons. (For details, see page 68.)

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

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

Destination Input by Previous Destination

Select the "Previous destination" 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 "Entering Destination" on page 27.)

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

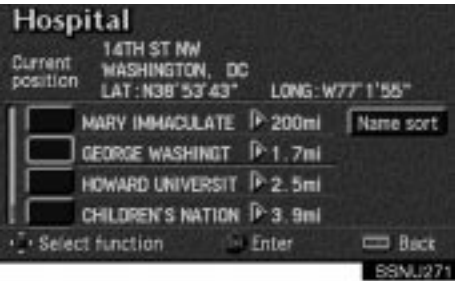
(See page 80 for details.)

Destination Input by Emergency

By selecting the "Emergency" switch on the "Destination" screen, the display changes to a screen to select police stations, hospitals or dealers. 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 select 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 selecting the "Name sort" switch on the screen.

Select 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 27.)

Select the "INFO" switch to display the selected emergency destination name, address and telephone number.

INFORMATION

In an area which has not been registered for route guidance, the navigation does not guide. (See page 51.)

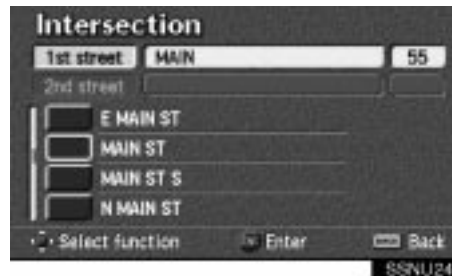
Destination Input by Intersection

Select the "Intersection" switch on the "Destination" screen.

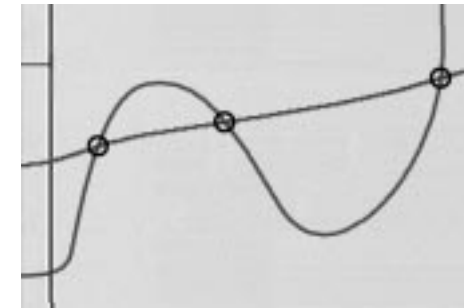


Input the name of the two intersecting streets which are located near the destination to be set.

When you select the "List" switch or the number of sites becomes 4 or less, the list of matching street names appears.



Select 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 "Entering Destination" on page 27.)



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 road preference. (See "Entering Destination" on page 27.)

Destination Input by Freeway Entrance or Exit

To input a freeway entrance or exit, select the "Freeway Ent./Exit" switch on 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).

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



Choose the desired freeway by selecting the ☐.



You can then select either a freeway "Entrance" or "Exit".

Destination Input by Freeway Entrance or Exit



Select the ☐ of your desired entrance or exit name. The screen changes and displays the map location of the selected destination and the road preference. (See "Entering Destination" on page 27.)

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

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



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

Destination Input by Previous Starting Point

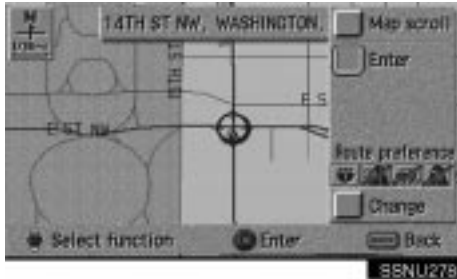
Select the **"Prev. start point"** switch on the **"Destination"** screen.

The screen changes and displays the map location of the previous starting point and the route preference. (See **"Entering Destination"** on page 27.)

If you have not used the navigation yet, you can not set the destination by the **"Prev. start point"** switch.

Destination Input by Map

Select the "Map" switch on the "Destination" screen.



The screen change and displays the map location of the last map and the road preference. (See "Entering Destination" on page 27.)

Destination Input by Home

Select the "🏠 (home)" switch on the destination input screen.

The screen changes and displays the map location of your home and the road preference. (See "Entering Destination" on page 27.)

The screen changes to display the map location of your home about 3 seconds, and then the system starts to search the way to your home.

If you have not registered your home yet, you can not set the destination by the "🏠 (home)" switch.

For the steps to register or delete your home, see page 38 for details.

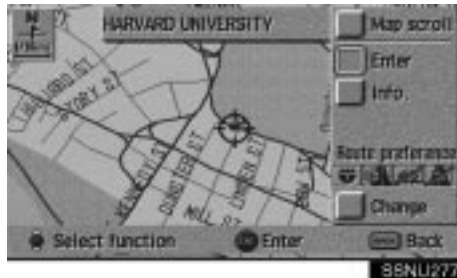
Destination input by Preset destination





Select one of the ①~⑤ switch on the "Destination" screen, the screen changes and displays the map location of your desired preset destination. In this case, it is necessary to register your desired preset destination beforehand. (Refer to page 72 through 74, "Registering" "Editing" or "Deleting" preset destination.)

Entering Destination

After you input the destination by one of the 11 methods, the screen changes and displays the map location of the selected destination and the route preference.

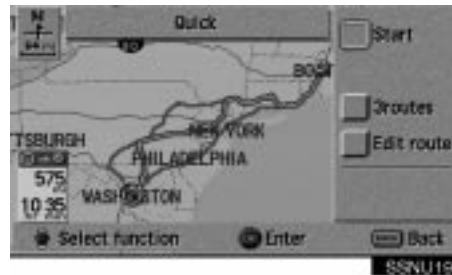


Select the **"Map scroll"** switch on the screen to move the cursor .

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

Change: Selecting this switch can change "Route preference". (For details, see page 28.)

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



If you want to set a required road point between the starting point and the destination or change the search condition, push the **"ENT"** button on the navigation controller to display the menu switches. And then select the **"Edit route"** switch on the screen. The screen changes and displays the edit route menu. (For details, see page 81.)

You can start the route guidance by selecting the **"Start"** switch on the screen or starting to move your vehicle.

When you keep pushing the **"ENT"** button on the navigation controller until you hear a beep, "demo" mode will start.

Entering Destination

Route preference:

To change the conditions of the route preference.

Select the "Edit route" switch, and the "Edit route" screen appears.



Select the "Route preference" switch.

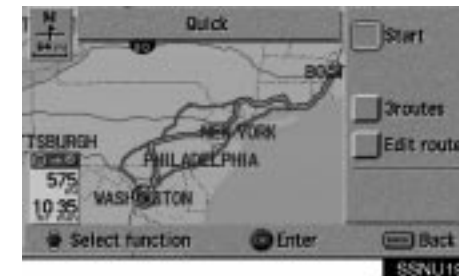


Select either "Allow" or "Detour" switch. When you select the "OK" switch, the system starts searching for a route up to the destination.

Even if you select the "Detour" switch, it cannot be avoid in some cases.

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.



Select the "3 routes" switch.

"3 Routes": You can choose your route out of 3 types of route.

Entering Destination



Choose one from the three routes.

"Quick": A route on which you can reach the destination in the shortest time.

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

"Alternative": Other route.

Time & distance list		
Search condition	Distance	Time
<input checked="" type="checkbox"/> Quick	575 mi	10 hr 35 min
<input checked="" type="checkbox"/> Short	453 mi	8 hr 30 min
<input checked="" type="checkbox"/> Alternative	608 mi	11 hr 12 min
<div> <div>Select function</div> <div>Enter</div> <div>Back</div> </div>		

Select the **"Time&distance"** switch to display the time and distance list.

Route Guidance Screen

The route guidance system displays two different screen modes.



Single screen: Only map is shown in a screen mode like the above.

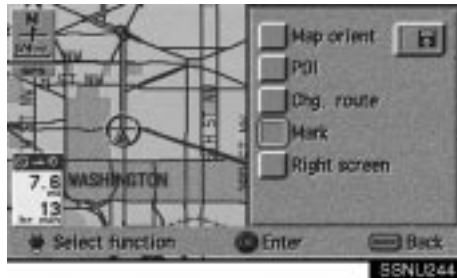


Split screen: Map and guidance screen are shown in a screen mode like the above. (For detail about guidance screen, see page 32.)



Route Guidance Screen

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



Map screen with switch: When the "ENT" on the navigation controller is pushed while the map is displayed, the switch screen is displayed on the right side of the screen.


[GPS]: Upon reception of signals from the GPS (Global Positioning System), this mark appears. (For details, see page 49.)

"Map orient": To switch the map orientation between "North-up" and "Heading-up". (For details, see page 46.)

"POI": Select this switch, and symbols of points of interest are shown on the screen. (For details, see page 41.)

"Chg. route": The "Change route" screen appears and the following settings are available. (For details, see page 31.)

"Mark": Select this switch for quick registration of the marked point. (For details, see page 71.)

"Guide": Select this switch after the POI icon is matched with the cursor . Detailed information about "POI" (name, location, phone No. etc.) is displayed on the screen.



: Select this switch when you have several destinations to go. The distance and time from the current position to the destination can be displayed for each destination.



Selecting these switches changes the guidance screen.



Selecting these switches changes the map 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 90.)**

Route Guidance Screen



Searching condition: To change the condition for reroute. (For details, see page 83.)

"Del. next dest.": To delete the setting of the next destination.

"Delete preferred road": To delete the preferred road that you registered.

"Start from adjacent road": To start the route guidance from the adjacent road.

(ex. When the route guidance guides the route on the freeway, but you drive on the parallel way along a freeway.)

"Detour for": To change the condition for detour. (For details, see page 39.)

"Whole route": To calculate an entire new route to the 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.

Guidance Screen

The right half of the screen can be used as a guidance screen.

See also "Route guidance" screen on page 29.

Split screen near the intersection.

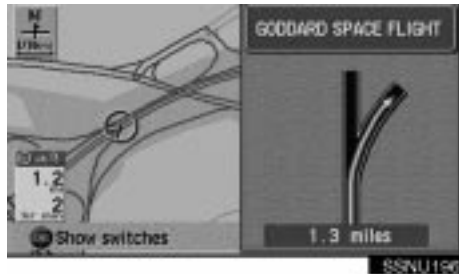


The distance to the intersection is shown at the bottom of the screen.



Guidance Screen

Split screen near the exit of the freeway.

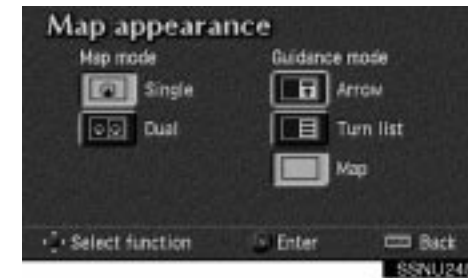


Map appearance

You can set the map mode and guidance mode.






1. Push the "MENU" button on the navigation controller to display the "Menu" screen and select the "Map appearance" switch.



2. It changes to the "Map appearance" screen and you can select the "Guidance mode"

Guidance mode:

-  To display "Arrow" screen
-  To display "Turn list" screen
-  To display "Map" screen

Guidance Screen

"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" like the above. You cannot scroll through the list of roads.

"Map" screen



The map screen has 2 modes.

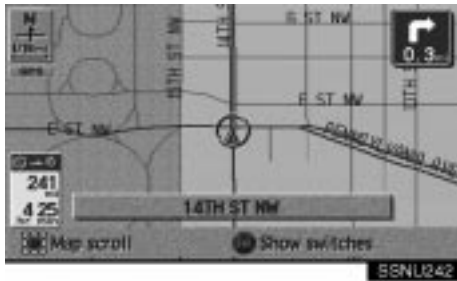


Single mode



Dual mode

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 on the navigation controller.

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

If you move the map, the current vehicle position mark continues to track your current location.

INFORMATION

*When you use the map scroll feature, the current vehicle position mark may disappear from the screen. Move the map again with map scroll 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 77.

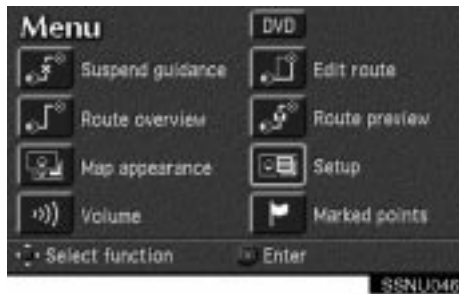
The current street name will be displayed in the bottom of the screen when the setting of the current street name is on.

In some areas, the roads have not been completely digitalized in our database yet. For this reason, the route guidance may guide the road that is not allowed to pass.

Voice Guidance

You can use voice guidance while driving to the destination.

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



Push the "MENU" button on the navigation controller to display the "Menu" screen, and select the "Volume" switch.



Select the volume using the switches **1** – **7**.

If you do not need voice guidance, select the "Off" switch.

The selected item is highlighted in green.

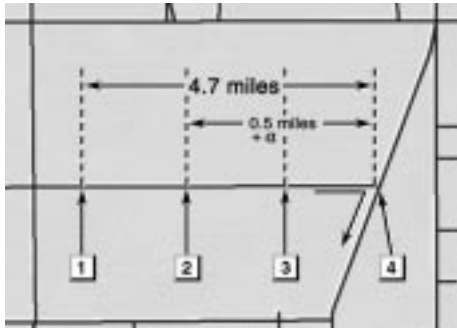
INFORMATION

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

Adaptive volume control: If you select the "Adaptive volume control", the volume is turned up automatically when the vehicle speed exceeds 50 mph (80 km/h).

To turn the system of the "Adaptive volume control" on, select the switch. The indicator will be highlighted.

Typical Voice Guidance Prompts

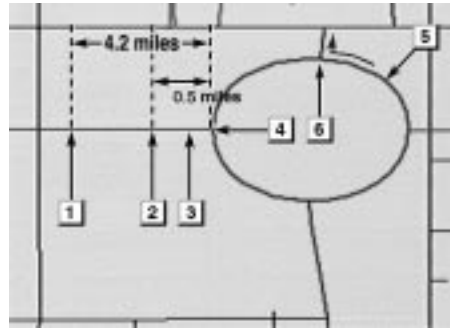


The voice guidance provides various messages as you approach an intersection, or other point where you need to maneuver the vehicle.

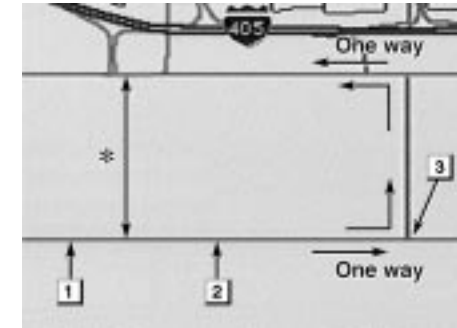
- 1 "Proceed about 5 miles."
- 2 "In a half of a mile, right turn."
- 3 "Next turn."
- 4 Beep sound only

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.



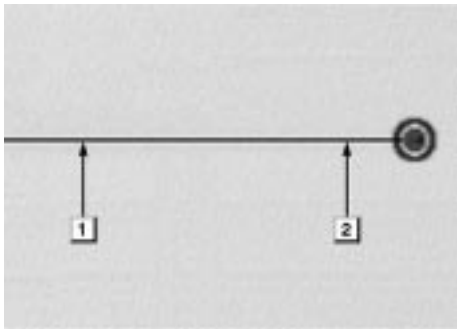
- 1 "Proceed about 4 miles to the traffic circle."
- 2 "In a half of a mile, traffic circle ahead, and then the 3rd exit."
- 3 "The 3rd exit ahead."
- 4 Beep sound only.
- 5 "The exit ahead."
- 6 Beep sound only.





*: 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 ahead."
- 2 "Make a legal U-turn ahead."
- 3 Beep sound only.

Typical Voice Guidance Prompts



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

- *Voice guidance may be made early or delayed.*
- *If the system cannot determine the current position correctly, you may not hear voice guidance or may not see the magnified intersection on the screen.*
- *If you did not hear voice guidance command, push the "MAP/VOICE" button to hear it again.*

Registration of Your Home

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



1. Push the "MENU" button on the navigation controller to display the "Menu" screen and select the "Marked points" switch.



2. Select the "Reg. home" switch for registering your home address.

If your home is already registered, the "Register home" switch changes to the "Delete home" switch.

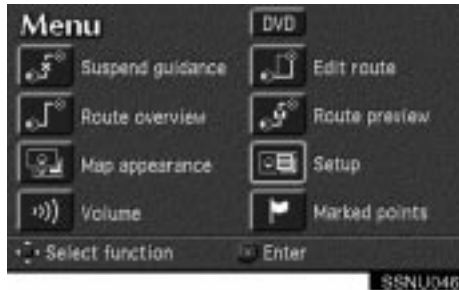


You may register the location of your home by some different methods: current position, address, map location, etc. Select your desired method from the menu on the screen.

Input your home in the same way as the destination input. (See page 25.)

Registration of Your Home

- Deleting the registration of your home



1. Push the "MENU" button on the navigation controller to display the "Menu" screen and select the "Marked points" switch.

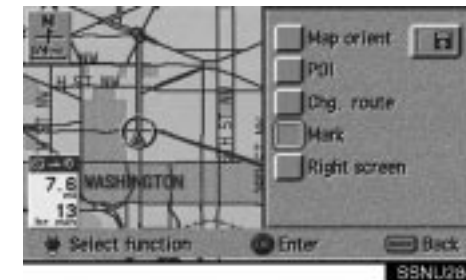


2. Select the "Delete home" switch.

The screen changes and displays the map location of the home and a message. If you are sure, select the "Yes" switch. If not, the "No" switch.

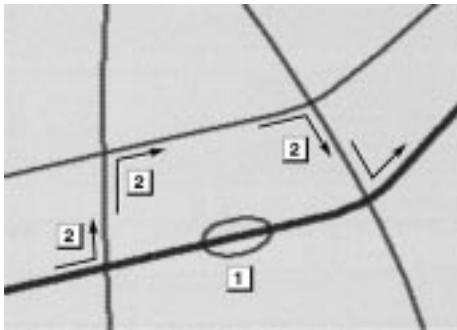
Detour Setting

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.



Select the "Chg. route" switch on the right side of the screen if you encounter a reason to divert from the selected route.

Detour Setting



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 These show the detour route suggested by the system.



When you select the **"Chg. route"** switch, the screen changes to the "Change route" screen that allows you to select the distance you want to detour. Select one of the numeral keys to start the detour process. After detouring, the system returns to the original guidance route.

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

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.*

"Search condition": To change the conditions of the searching route. (See page 83.)

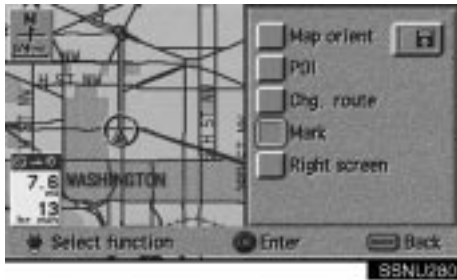
"Quick": A route on which you can reach the destination in the shortest time.

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

"Alternative": Other route.

Displaying Points of Interest

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, select the "POI" switch on the map right side of the screen.



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

Only one type of icon is shown on the screen.

"More": If you cannot find your desired point of interest on the limited choice screen, select this switch. The screen then displays the more "Point of Interest" listing screen.

You can show up to 5 types of icons on the screen.



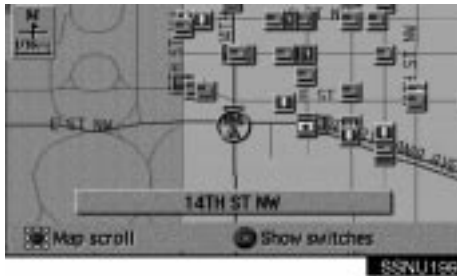
When you select the point of interest type from more list, the screen will display the complete "Point of Interest" listing screen.



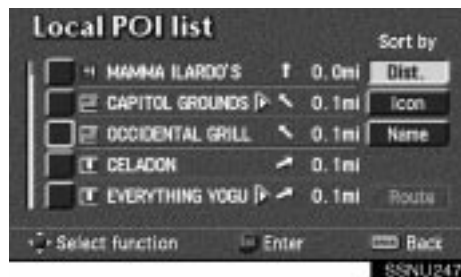
Selecting the **"Delete"** switch will delete the last selected icon.



Displaying Points of Interest



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.



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

Select the ☐ of your desired point of interest. Points of interest which you chose are displayed on the map screen.

Sort by "Icon": Select this switch to list the points of interest in order of the type of symbol.

Sort by "Dist": Select this switch to list the points of interest in order of the distance.

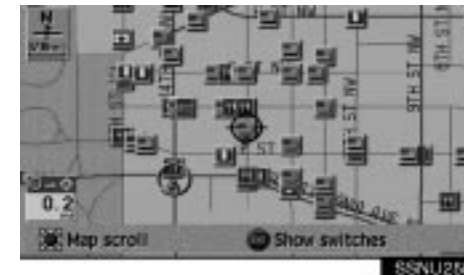
Sort by "Name": Select this switch to list the points of interest in alphabetical order.

"Route": Select this switch to list the points of interest on the route in order of the distance.



To turn off the icons of the points of interest on the map screen, select the "POI off" switch on the screen "Show POI icons".

Setting a POI as a destination

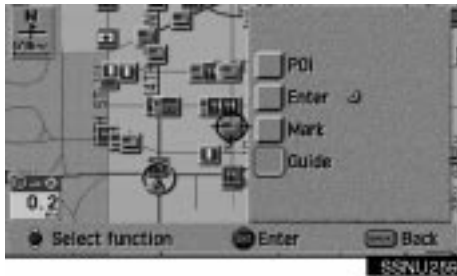
You can select one of the points of interest icons on the map screen as a destination and use it for a route guidance.



1. Select the icon of the point of interest that you want to set as a destination.

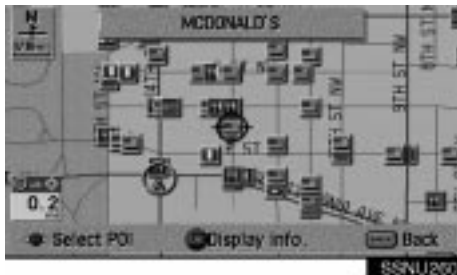
Operate the select and scroll lever to move the cursor  your desired POI icon. Then the icon "POI" is centered in the screen and it overlaps with the cursor .

Displaying Points of Interest



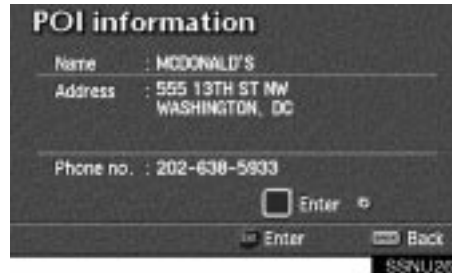
2. Push the "ENT" button on the navigation controller, and then the switch menu appears.

3. Select the "Guide" switch

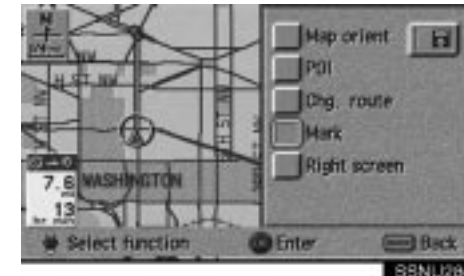


The name of the point of interest is displayed at the top of the screen. You can select the other POI icon on the displayed map.

When you push the "ENT" button on the navigation controller, the information such as the name and address, etc. are displayed.



4. If you set the point of interest as a destination, select the "Enter" switch. If not, push the "BACK" button on the navigation controller, then the previous screen returns.



When there are 2 screens displayed, select "Right screen" switch. You can display the "Edit right screen".



Displaying Points of Interest Turn List

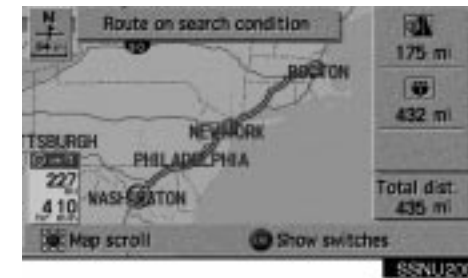


Select "Show POI icons" POI icon is displayed when the indicator next to the ☒ is highlighted, and if not, the POI icon is not displayed.

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 on the navigation controller to display the menu screen and select the "Route overview" switch.



2. The screen will change to the "Entire route map" screen, push the "ENT" button on the navigation controller to display the menu switches. And then select the "Turn list" switch.



Turn List

You can scroll through the list of roads. 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.



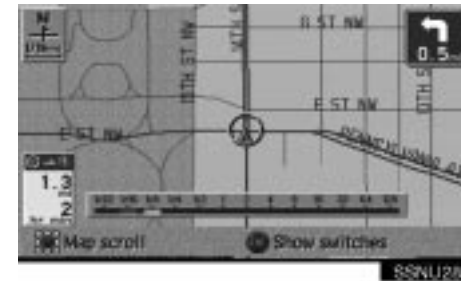
These marks indicate the direction which you should turn at an intersection.

Select the **"Map"** switch on the "Turn list" screen 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 on the navigation controller to return to the map display with route guidance.*

Map Scale




The map scale can be changed by pushing the **"zoom IN"/"zoom OUT"** button of the navigation controller while the map is displayed and while guiding as well. The scale runs from 1/32th of a mile to 128 miles. Push the **"zoom IN"/"zoom OUT"** button on the navigation controller until the scale bar changes normally. If you continue to hold your finger on the button, the scale bar changes smoothly.

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

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. (For details, see page 71)

Move the cursor mark  to the point you desire by operating the select and scroll lever of the navigation controller. You can then set this place as a destination. Push the "ENT" button on the navigation controller. (For details, see page 71.)

If you continue to hold the lever by your finger on the navigation controller, the map will continue scrolling in that direction until you lift your finger.

After scrolling the screen, the map remains centered at the selected location until you push the "MAP/VOICE" button. 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 selected is set as the destination. At this time, if the nearest road is over 4 miles from destination point, the system may not be able to calculate a guidance route.

Orientation of the Map



Orientation of the Map

You can change the orientation of the map from "North-up" to "Heading-up".



"North-up" symbol

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

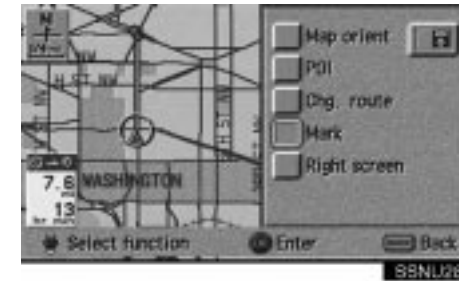


"Heading-up" symbol

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

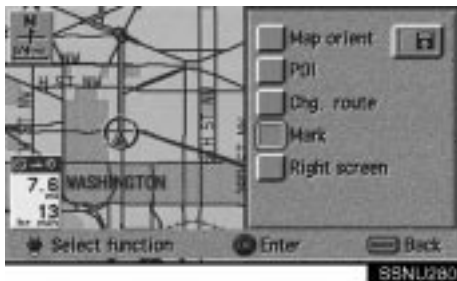


1. Push the "ENT" button while the map screen is displayed.



2. When the "Map orient" at the right side of the screen is selected, the orientation of the map screen is switched between the "North-up" and the "Heading-up." When there are 2 map screens displayed, the "North-up" and the "Heading-up" of the left side map screen is switched by this operation.

Orientation of the Map



3. When there are 2 map screens displayed to switch the "North-up"/"Heading-up" of the right screen map, select "Right screen" switch.



4. Select the "Map orient" of the "Edit right screen", and then the "North-up"/"Heading-up" of the right screen is switched.

When 2 map screens are displayed, you can set one as the "North-up" and the other one as the "Heading-up."

Limitations of the Navigation System

This navigation system calculates the current vehicle position using satellite signals, various vehicle signals, map data, etc. However, an 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 not receiving signals from the satellites, the "GPS" mark does not appear at 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.

(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.

Limitations of the Navigation System

- 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 77.

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

- When turning at a wrong intersection off the designated route guidance.
- If you are heading for a destination without passing through a set required road, automatic rerouting may display a route returning to the set required road.
- 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 automatic rerouting during high speed driving. In automatic rerouting, a detour route may be shown.
- During automatic rerouting, the route may not be changed.
- The route in a 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 reason.
- The road and map data stored in your navigation system may not be complete or may not be the latest release.

After replacing the tire, implement the operation described in the "Current Position Calibration". (For details, see page 77.)

This navigation system uses the tire turning data and is designed to work with factory-specified tires for your Lexus. 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.