Foreword

Thank you for your purchase of the Navigation System. Please read this manual carefully to ensure proper use. Keep this manual stored in your vehicle at all times.

The Lexus Navigation System is one of the most technologically advanced vehicle accessories ever developed. The system receives satellite signals from the Global Positioning System (GPS) operated by the U. S. Department of Defense. Using these signals and other vehicle sensors, the system can show you where you are and assist you in locating a desired destination.

The navigation system is designed to select efficient routes from your present starting location to your destination. The system is designed to direct you to a destination that is unfamiliar to you in an efficient manner. The system uses the maps of DENSO based on NAVTECH maps, GDT maps and infoUSA POIs. The calculated routes are neither the shortest routes nor routes without traffic congestion. Your own personal local knowledge or ”short cut” may at times be faster than the calculated routes.

The navigation system’s database includes more than 50 point of interest categories to allow you to easily select destinations such as restaurants and banks. If a destination is not in the database, you can enter the street address or a major intersection close to it and the system will route you there. The system will provide both a visual map and audio instructions. The audio instructions will announce the distance and direction to go when you are approaching a fork or intersection. These voice instructions will help you keep your eyes on the road and are timed to provide enough time to allow you to maneuver, change lanes or slow down.

Please be aware that all current vehicle navigation systems have certain limitations that may affect their ability to perform properly. The accuracy of the vehicle’s position depends on the satellite condition, road configuration, vehicle condition or other circumstances. For more information on the limitations of the system, refer to pages 54 through 56.

TOYOTA MOTOR CORPORATION

Introduction

For safety reasons, this manual indicates items requiring particular attention with the following marks.

⚠ CAUTION

This is a warning against anything that may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

NOTICE

This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your Lexus and its equipment.

INFORMATION

This provides additional information.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

Initial screen

When you start the engine system or turn the ignition switch to “ACC”, the initial “LEXUS” screen appears and the system begins operating.

⚠ CAUTION

When the vehicle is stopped with the engine running, always apply the parking brake for safety.

After a few seconds, the “CAUTION” screen appears.

Touch either "English" or "French" to select the language. Read it and follow the instructions.

If a screen other than for the navigation system is displayed, the current screen would change to the **"CAUTION"** screen by pushing the **"MAP/VOICE"**, **"DESTINATION"** or **"MENU"** button on the automatic air conditioning control panel or by touching the "Maintenance" switch on the "Information Menu" screen.

When you touch the "I agree" switch on the screen, the Map screen appears.

To use your system as safely as possible, follow all the safety tips shown below.

This system is intended to assist you in reaching your destination and, if used properly, can do so. You, as the driver, are solely responsible for the safe operation of your vehicle and the safety of your passengers.

Do not use any feature of this system to the extent it distracts you from safe driving. Your first priority while you are driving should always be the safe operation of your vehicle. While you are driving, be sure to observe all traffic regulations.

Before attempting to use this system while you are driving, learn how to use it and become thoroughly familiar with it. Read the entire Navigation System Manual to make sure you understand the system. Do not allow others to use this system until they have read and understood these and other instructions in this manual.

For your safety, some functions may become inoperable when you start driving. Unavailable switches are dimmed. You can input your destination and select your route only when the vehicle is not moving.

⚠ CAUTION

- **For safety, the driver should not operate the navigation system while he/she is driving. Inattention to the road and traffic may cause an accident.**
- **While you are driving, be sure to follow the traffic regulations and keep the road condition in mind. If a traffic sign on the road has been changed, route guidance may provide wrong information such as the direction of a one way street.**

While you are driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do not totally rely on voice guidance. Use it just for your information. If the system cannot determine your current position correctly, there is a possibility of incorrect, late or non–voice guidance.

The data in the system may occasionally be incomplete. Road conditions, including driving restrictions (no left turns, street closures, etc.) frequently change. Therefore, before you follow any instruction from the system, look to see whether you can comply with the instruction safely and legally.

This system cannot warn you about such things as the safety of an area, condition of streets, and availability of emergency services. If you are unsure about the safety of an area, don't drive into it. **Under no circumstances is this system a substitute for the driver's personal judgement.**

Safety Introduction

Use this system only in locations where it is legal to do so. Some states/provinces may have laws prohibiting video screens within sight of the driver.

Switch operation

This system operates mainly by the switches on the screen. To protect the screen, lightly touch switches on the screen with your finger. When you touch a switch on the screen or on the automatic air conditioning control panel, a beep sounds.

INFORMATION

- ***If the system does not respond to a touch of a switch, move your finger away from the screen and then touch it again.***
- ***You cannot operate dimmed switches.***
- ***Wipe off fingerprints on the surface of the display using a glass cleaning cloth.***
- ***The displayed image may become darker and moving images may be slightly distorted when the display is cold.***
- ***Under extremely cold conditions, the display may take time to change and the map may not be displayed. Also, the buttons on the automatic air conditioning control panel may be harder than usual to depress, and the data input by a user may be deleted.***
- ***The display may be tinged in purple due to the reflection of sunlight, but this is not a malfunction.***

Symbols, Switches and Buttons

GPS Mark (Global Positioning System)
Whenever your vehicle is receiving signals from the GPS, this mark is displayed. For details, see page 54.

Map/Guide
Push this switch to change the screen mode. For details, see page 32.

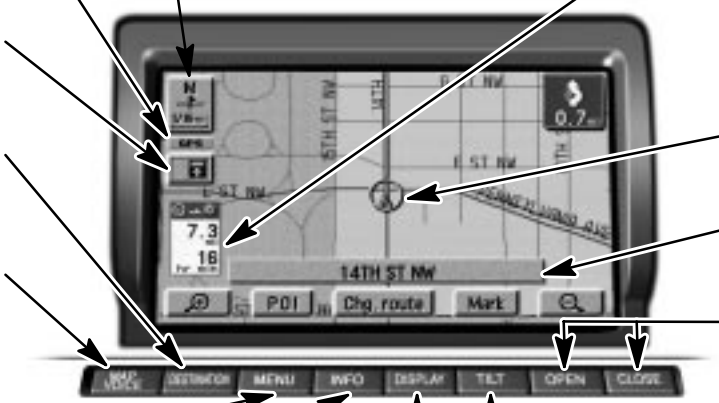
DESTINATION button
Push this button to display the Destination screen. For details, see page 5.

MAP/VOICE button
Push this button to repeat a Guidance voice, cancel the one touch scroll and start a Guidance. For details, see page 38.

MENU button
Push this button to display the menu screen. This screen allows you to make adjustments or correct settings of various options and functions.

INFO button
Push this button to display the information menu screen. For details, see page 93.

North–Up Symbol and Scale of Map
To indicate a map view with North up. Touching this symbol changes the map view to a heading–up respective. The figure also indicates the map scale. For details, see page 53.



Distance and time to destination
Displays the distance and the estimated travel time to the destination. If you input more than two destinations, it displays the distance and time to the next destination. Touching this indication will change it to the distance and time to the other destinations. The direction will be indicated when your vehicle is off the route.

Current Vehicle Position Mark
To indicate the current position. For details, see page 37.

Current street name
Turn on this function to indicate the current street name. For details, see page 93.

OPEN/CLOSE buttons
Push these buttons to open or close the navigation door. For details, see page 2.

TILT button
Push this button to tilt the display. For details, see page 2.

DISPLAY button
Push this button to display the "Display" screen. For details, see page 106.

N5A04e

Changing the route guidance

When you touch this switch, the Change route screen will appear. For details, see page 33.

One–touch registration of marked point

Touch this switch to register the current vehicle position as a marked point. For details, see page 77.

Displaying of points of interest

Icons such as restaurants and hotels, etc. can be displayed on the screen. For details, see page 47.

Zoom in/Zoom out

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

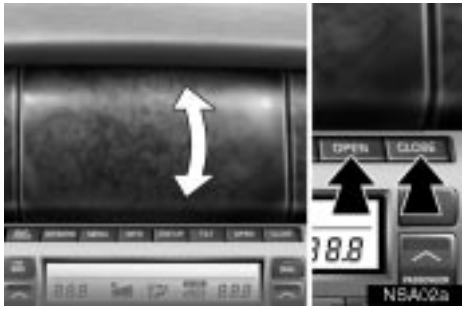
x

SECTION I

BASIC FUNCTIONS

Descriptions of basic operations in frequent use

Your navigation system 2
Inputting letters and numbers 3
How to move the cursor 5
Destination input Explains 11 ways to input your destination 5
Explains 11 ways to input your destination
Setting and deleting destination 26
Setting and deleting preferred road 30
Route guidance screen 32
Route preview 36
Current position display 37
Voice guidance 38
Typical voice guidance prompts 39
Registering your home 41
Registering preset destinations 43
Detour setting 46
Displaying POI 47
Map appearance 49
Map scale 51
Screen scrolling 52
Orientation of the map 53
Limitations of the navigation system 54
Map database information and updates 57



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.

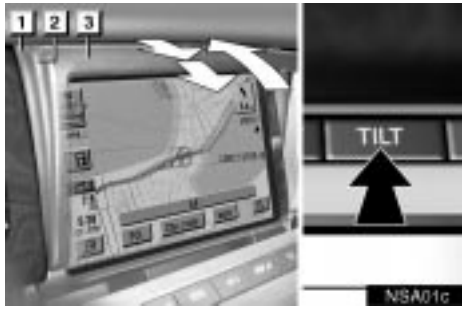
Your navigation system works when the ignition switch is in the “ACC” or “ON” position.

⚠ 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.

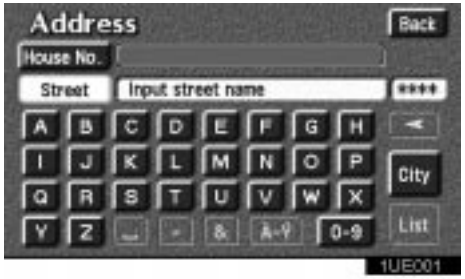
Your navigation system

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.

I

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.

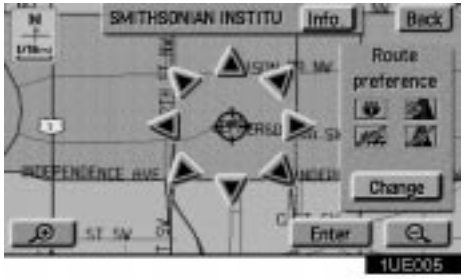
This expresses a displayed screen position.

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.

I

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 Labrac 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 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" registration is made based on the NAVTECH "Standard POI Inclusion List" and infoUSA POI data.***
- ***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 1 — 5 (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.

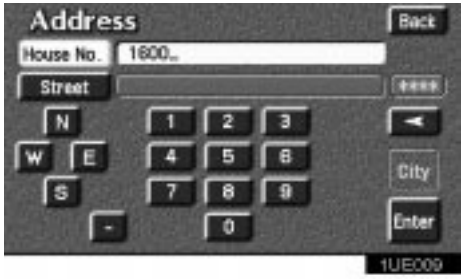
Destination Input by Address

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.

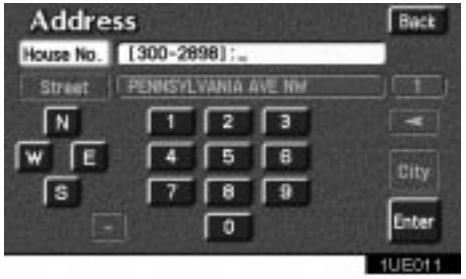
When you input numerals, touch the "0–9" switch to display the screen for numeral input.

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.

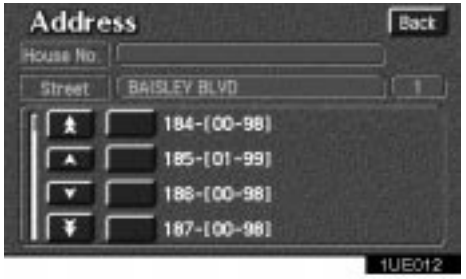
Destination Input by Address

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 this function 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.

I

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 [redacted] 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.)

I

(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 this function 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 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.

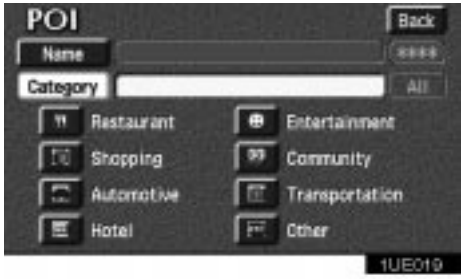
If the number of sites becomes 4 or less, or if you touch the **"List"** switch on the screen, the screen changes and displays the selection list.

Touch the ▬ of the desired city name.

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

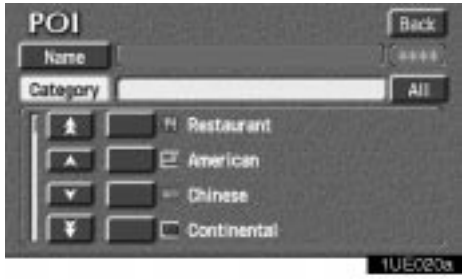
(c) Selecting from the categories

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.

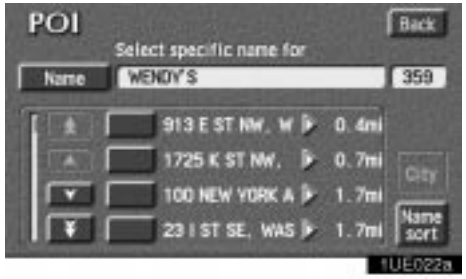
Destination Input by POI



When you touch the [ ] 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.

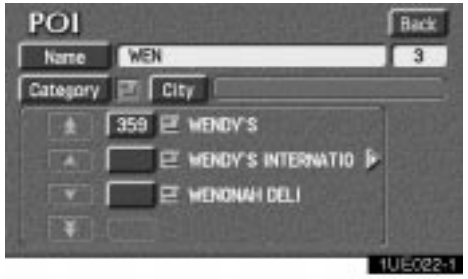
If the number of sites becomes 4 or less, or if you touch the **"List"** switch at the bottom right of the screen, the screen changes and displays a list of sites.



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.

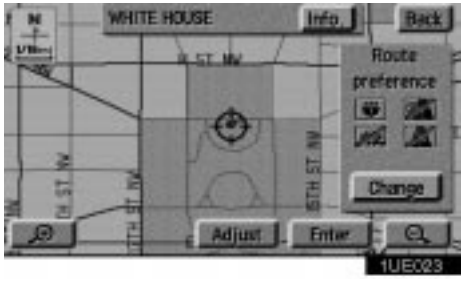
I

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

BANK

CITY HALL

CIVIC/COMMUNITY CENTER

CONVENTION/EXHIBITION CENTER

COURT HOUSE

HIGHER EDUCATION

HOSPITAL

LIBRARY

POLICE STATION

SCHOOL

AMUSEMENT PARK (all search areas)

CASINO

GOLF COURSE

MARINA

MUSEUM

PARK/RECREATION (all search areas)

PERFORMING ARTS

SKI RESORT

SPORTS COMPLEX

TOURIST ATTRACTION (all search areas)

Destination Input by POI

WINERY

RESTAURANT

AMERICAN

CHINESE

CONTINENTAL

FRENCH

ITALIAN

JAPANESE

MEXICAN

SEAFOOD

OTHER

GROCERY STORE

SHOPPING

AIRPORT (all search areas)

BUS STATION

COMMUTER RAIL STATION

FERRY TERMINAL

HISTORICAL MONUMENTS

HOTEL

PARK AND RIDE

RENTAL CAR AGENCY

Destination Input by POI

REST AREA

TOURIST INFORMATION

TRAIN STATION

BUSINESS FACILITY

CITY CENTER/NAMED PLACE

Destination Input by Marked Points

Touching the "Marked points" switch on the Destination screen displays your list of registered marked points. See page 72 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.

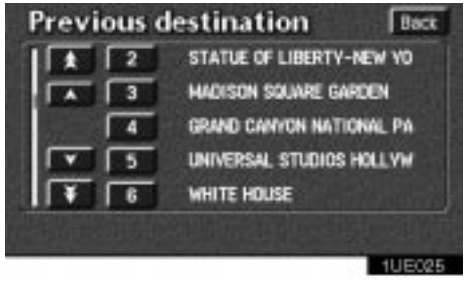
Sort by Icon: Touch this switch to list the marked points by the registered icon. There are 46 icons and 3 sound icons. (For details, see page 72.)

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.

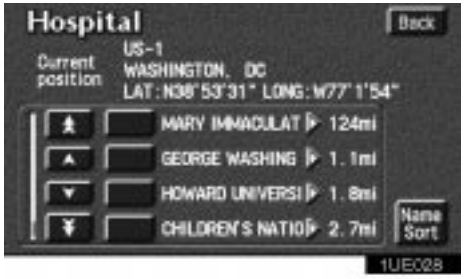
Push the "MENU" button to display the Menu screen and touch the "Marked points" switch. Touch the "Del.prev.dest." switch.

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.)

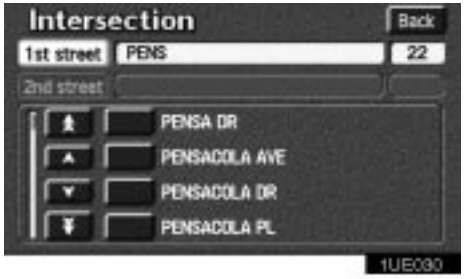
I

Destination Input by Intersection

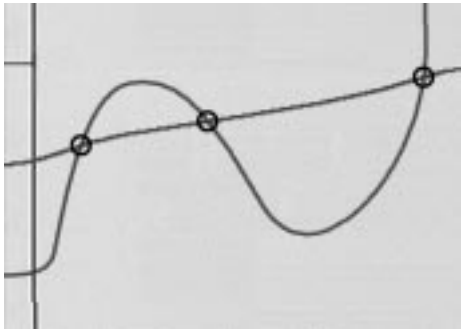
Touch the "Intersection" switch on the Destination screen.

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.)

I

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

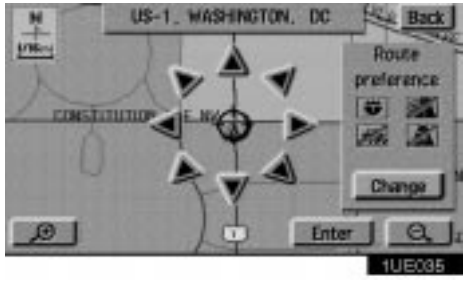
Touch the “Previous starting point” switch on the Destination screen.

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.

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.

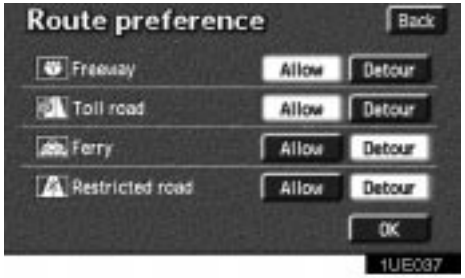
You can move and set the cursor ⌖ at a desired point. (For the method of how to move the cursor, see page 5.)

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.

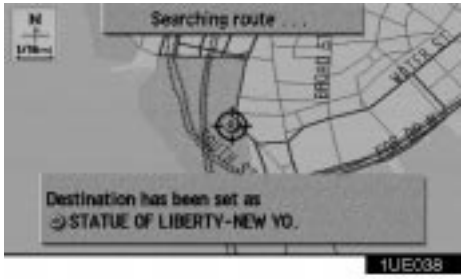
Touch the "Detour" switch of "Ferry" to search for a route without using a ferry as much as possible.

Setting and Deleting Destination

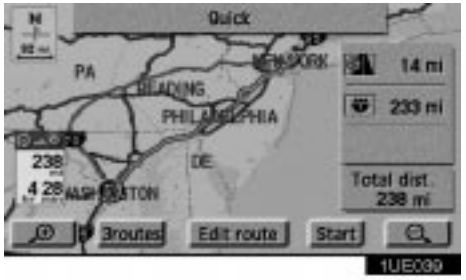
Touch the **"Detour" switch of "Restricted road"** to search for a route other than restricted road.

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.

I

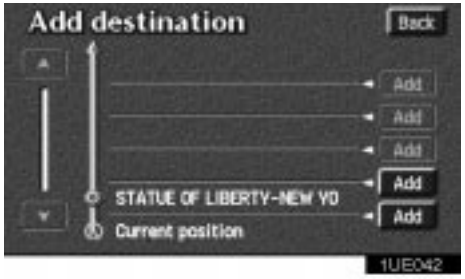
(b) Adding destinations

1. Push the "MENU" button to display the Menu screen.

2. Touch the "Edit route" switch.

3. Touch the "Add" switch of Destination.

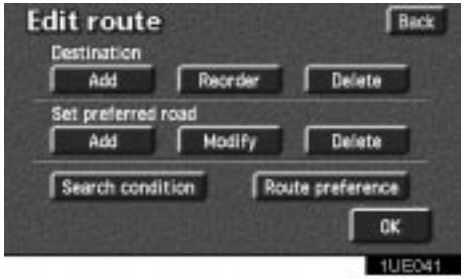
4. Input an additional destination in the same way as the destination input. (See page 26.)



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.

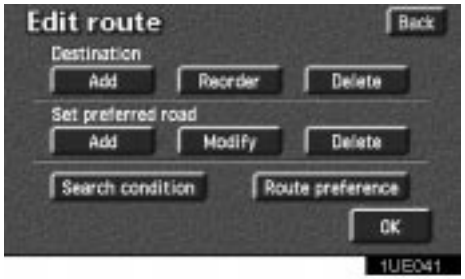


2. Touch the "Reorder" switch of Destination.

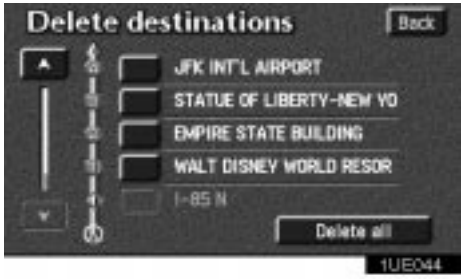
3. Select the destinations in the order of arrival by touching the [ ] switch.

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.

I

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.

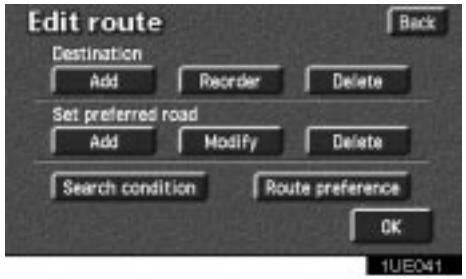
Move the cursor ⌖ to your desired location and touch the "Preferred road" switch.

Messages appear to confirm your request on the screen. Touch the **"Enter"** switch to register the road.

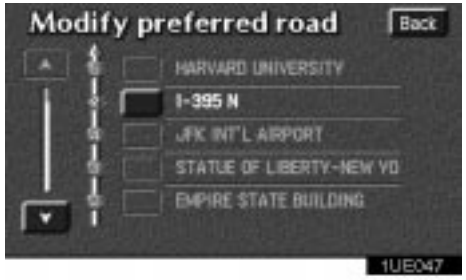
Touch the "Next" switch when you change the road.

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

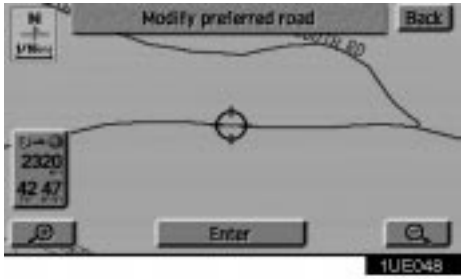
(b) Modifying a preferred road



Touch the "Modify" switch of Set preferred road. The modify preferred road screen appears.



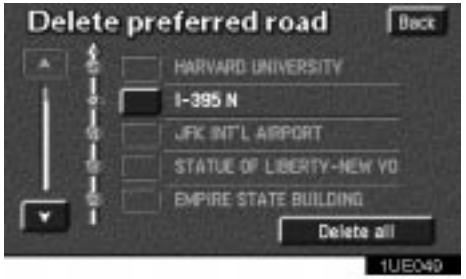
Select the preferred road which you want to modify and touch the switch.



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.

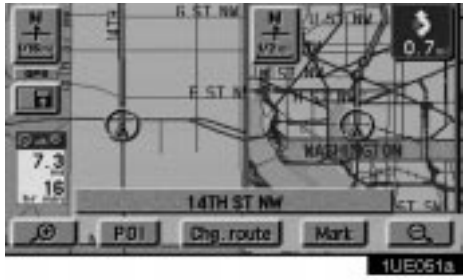
If you want to try again or cancel deletion, touch the **"No"** switch. The previous screen will return.

I

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.

GPS

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.)

POI

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

Mark

Touch this switch for one–touch registration of the marked point. (For details, see page 77.)

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 88.)***

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.

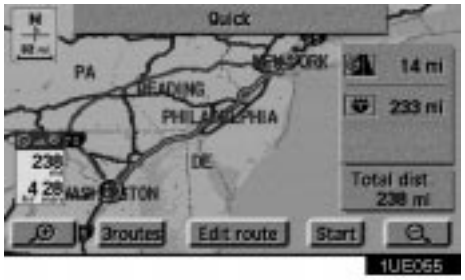
I

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

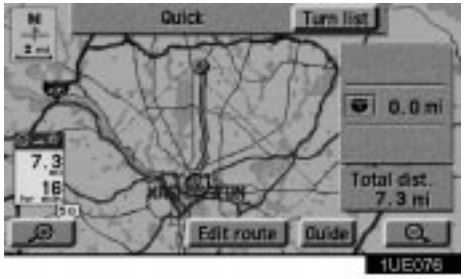
Touch the "Route overview" switch on the Menu screen.

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

Turn list

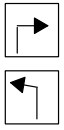
You can change from the Map screen to a Turn list screen that displays the list of the roads up to your destination. This list can be used for a route guidance.

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 the distance to the next turn.



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

I

Route Guidance Screen

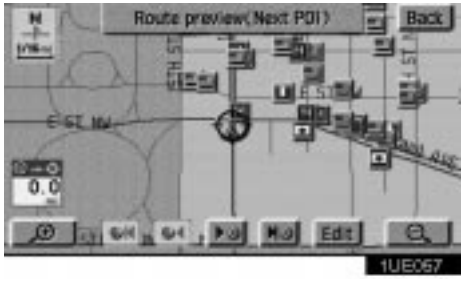
Touch the "Map" switch of your desired point. The point which you choose is displayed on the Map screen.

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

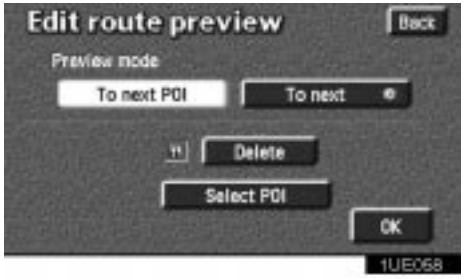
To stop the preview

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.

I

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.

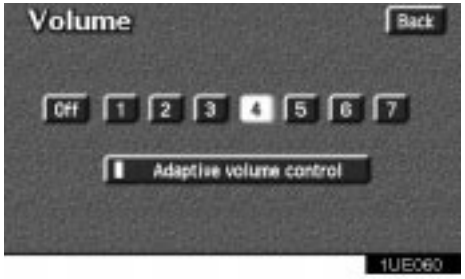
If you must correct the current position manually, follow the steps on page 82.

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.

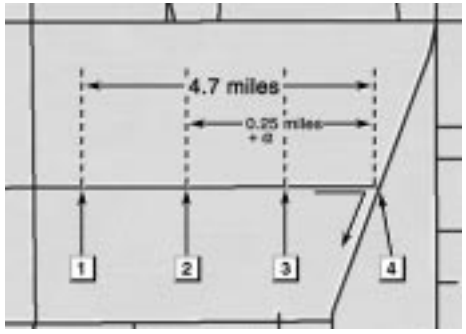


Touch any number to select the desired volume. Touching the "Off" switch turns the voice route guidance off. If you turn the "Adaptive volume control" on, the volume is turned up automatically when the vehicle speed exceeds 80 km/h (50 mph).

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"

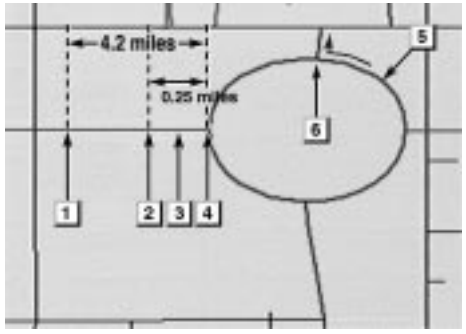
2 ♪ "In a quarter of a mile, right turn"

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."

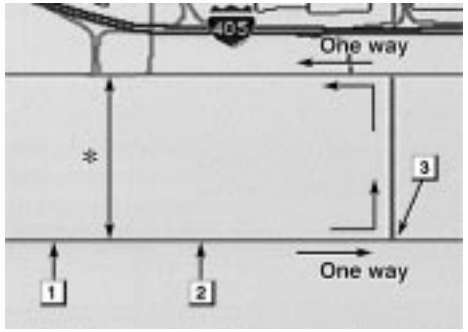
4 ♪♪ (Beep sound only)

5 ♪ "The exit ahead."

6 ♪♪ (Beep sound only)

I

Typical Voice Guidance Prompts

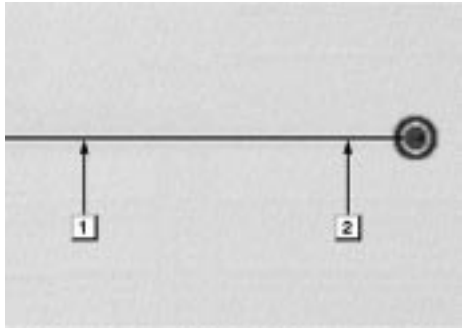


*: The system indicates a U–turn if the distance between two one–way roads (of opposite directions) is less than 15 m (50 ft.) in residential areas or 50 m(164 ft.) in non–residential areas.

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.)

I

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.)

I

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 74.)

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.

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

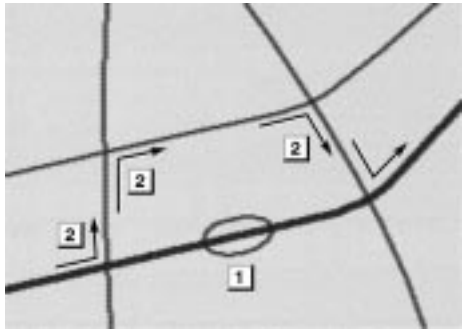
If you want to delete all the preset destinations, touch the "Delete all" switch.

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.

I

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 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.

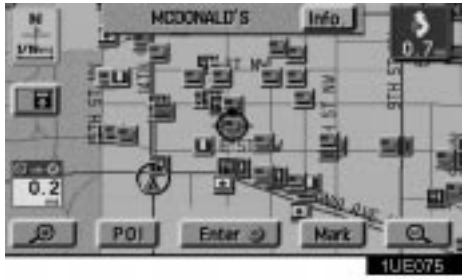
Touch the [redacted] of your desired point of interest. Points of interest which you chose are displayed on the Map screen.

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.)

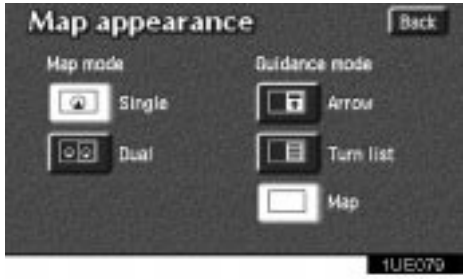
Map Appearance

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.

I

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.

I

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.

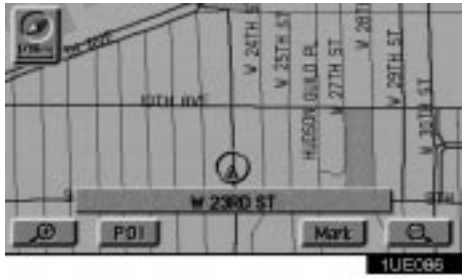
If you touch switches like **"Mark"**, **"POI"**, etc., the screen does not scroll and the respective function operates.

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.

I

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 82.

(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 82 for detailed information.

Map Database Information and Updates

This system uses the maps of DENSO based on NAVTECH maps, GDT maps and infoUSA POIs.

©2001 Navigation Technologies. All rights reserved.

©GDT, Geographic Data Technology, Inc.

Data by infoUSA Copyright ©2002, All rights reserved.

This product contains proprietary and confidential property of NAVTECH, GDT and infoUSA. Unauthorized use, including duplication of this product is expressly prohibited.

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.

COPYRIGHT NOTICE: This area includes information taken with permission from Canadian authorities, including ©Her Majesty the Queen in Right of Canada, ©Queen's Printer for Ontario.

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 Lexus dealer for information about the availability and pricing of an update.

I

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.

ROUTE GUIDANCE AVAILABILITY

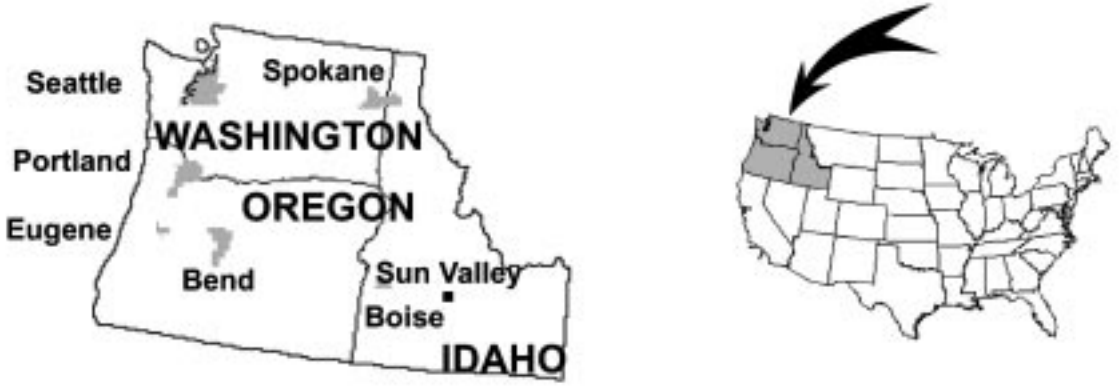
Route guidance available area for detailed roads and for main roads are provided.

The software covers the route guidance available area as shown in the following ”Route guidance availability” illustrations.

Route guidance available areas may change due to the upgrading of the map data.

Map Database Information and Updates

Route guidance availability



2001 by NAVTECH

Route guidance available areas

Route guidance available for main roads only

Map Database Information and Updates

Route guidance availability

2001 by NAVTECH

Route guidance available areas

Route guidance available for main roads only

Map Database Information and Updates

Route guidance availability

2001 by NAVTECH

Route guidance available areas

Route guidance available for main roads only

Map Database Information and Updates

Route guidance availability

2001 by NAVTECH

Route guidance available areas

Route guidance available for main roads only

Map Database Information and Updates

Route guidance availability

2001 by NAVTECH

Route guidance available areas

Route guidance available for main roads only

Map Database Information and Updates

Route guidance availability

2001 by NAVTECH

Route guidance available areas

Route guidance available for main roads only

Map Database Information and Updates

Route guidance availability

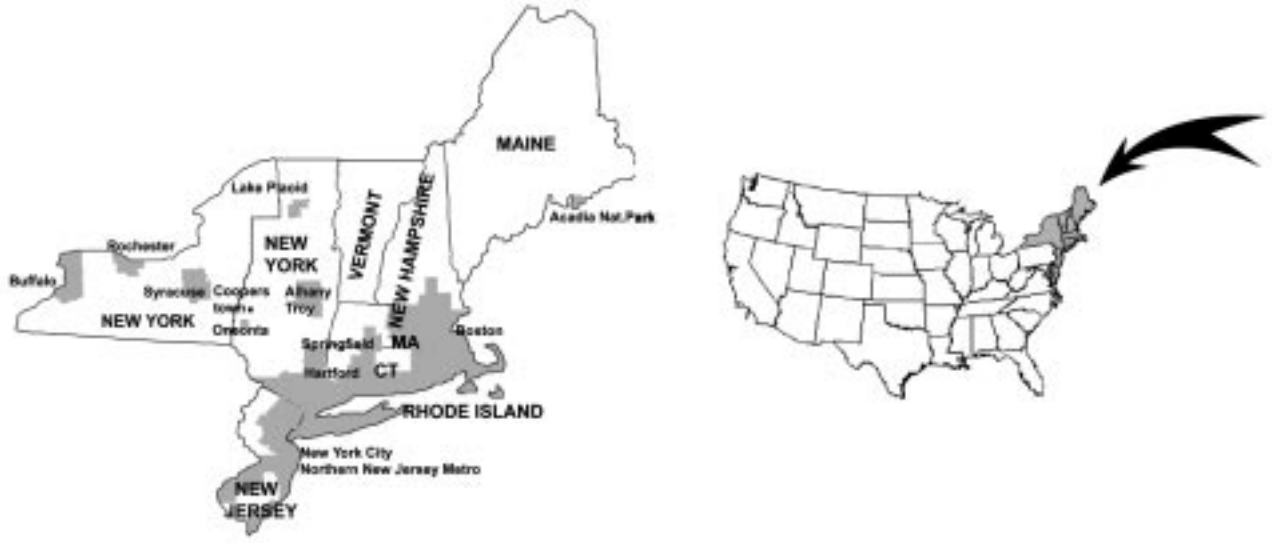
2001 by NAVTECH

Route guidance available areas

Route guidance available for main roads only

Map Database Information and Updates

Route guidance availability



2001 by NAVTECH

Route guidance available areas

Route guidance available for main roads only

Map Database Information and Updates

zRoute guidance availability

2001 by NAVTECH

Route guidance available areas

Route guidance available for main roads only

Map Database Information and Updates

Route guidance availability

2001 by NAVTECH

Route guidance available areas

Route guidance available for main roads only

Map Database Information and Updates

zRoute guidance availability

2001 by NAVTECH

Route guidance available areas

Route guidance available for main roads only

SECTION II

ADVANCED FUNCTIONS

Descriptions of operations for more effective use

Marked points 72
Area to avoid 79
Current position calibration 82

Marked Points

You can register and keep your own marked points of interest list (like restaurants, sports facilities, etc.) and use the marked points to input a destination.

(a) Registering marked points

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

2. Touch the "Register" switch of the Marked points.

A screen similar to that for destination input appears. Input the address of the marked point in the same way as any destination input. See page 10 through 26.

When you finish registration of the marked point, the Register marked point screen appears.

3. Touch your desired icon. You can turn the page by touching the "Page 1" or "Page 2" switch. Touching the "With sound" switch, you can select your desired sound. (For details, see page 74.)

INFORMATION
Up to 100 marked points can be registered.

(b) Editing marked points

Once a marked point is registered, you can edit the icon, name or telephone number.

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

2. Touch the "Edit" switch of Marked points.

The screen lists the marked points.

Sort by Icon: Touch this switch to list the marked points in order of the category of icon.

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

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

Touch ■ of the desired marked point to display the Edit marked point screen.

II

Touch the item to edit (on the right side of the screen).

- **Changing the "Icon"**

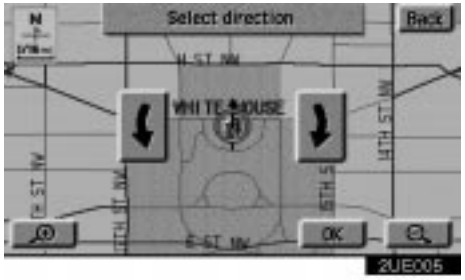
Touch your desired icon.

Page 1 and page 2: You can select one of 46 icons.

When you touch the desired icon, **"Back"** or complete the direction setting, the previous screen is displayed.

With sound: When your vehicle approaches the marked point, the sound which you chose will sound.

The next screen appears when you select the **"Bell (with direction)"** switch.



Touch the direction switches and adjust the direction. Touch the **"OK"** switch. The bell sounds when your vehicle approaches this point in the direction that you set.

When you touch the desired icon, **"Back"** or complete the direction setting, the previous screen is displayed.

Marked Points

- **Changing the “Name”**

Touch alphabet or numeral keys directly to input the name.

After you finish your entry, touch the **“OK”** switch.

The previous screen will be displayed. If you touch the **“Off”** switch of show name, the name of this marked point is not shown on the map.

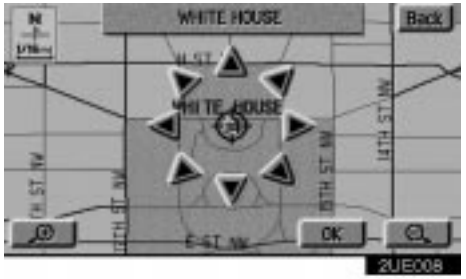
- **Changing the “Phone number”**

Touch numeral keys directly.

After you finish your entry, touch the **“OK”** switch.

The previous screen will be displayed.

- **Changing the “Location”**



Touch the arrows to scroll to your desired point on the Map screen.

Touch the **“OK”** switch when the cursor ⌖ moves to your desired point.

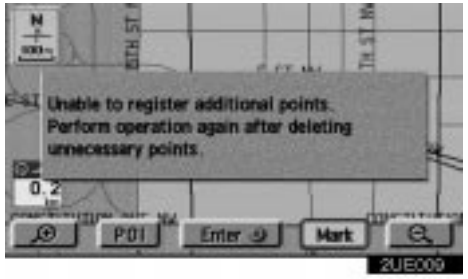
The previous screen will return.

After you finish any editing, touch the “Back” switch on the first screen of Edit marked points.

II

Marked Points

You can register up to 100 marked points. If you attempt to register more than 100, a message appears for confirmation.

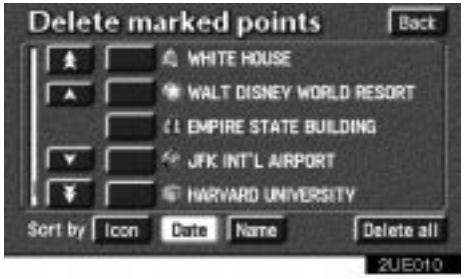


If you want to register a new point, delete one of the marked points. See "(c) Deleting marked points".

(c) Deleting marked points

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

2. Touch the "Delete" switch of the marked points.

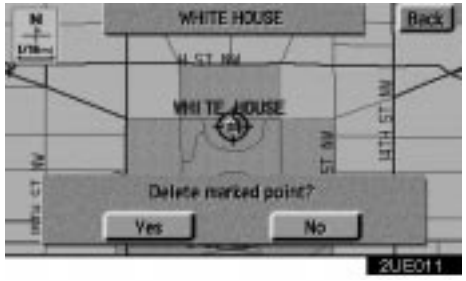


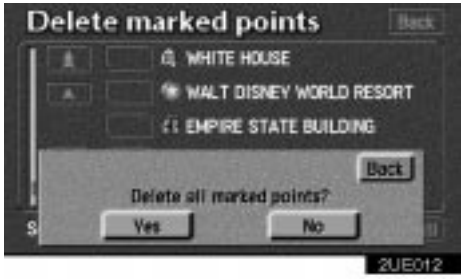
3. Touch ■ of the marked point to delete.

The screen for confirmation will appear with the map of the marked point. If you want to delete, touch "Yes". Touching "No" or "Back" will return to the previous screen.

If you want to delete all of the marked points, touch the "Delete all" switch. The screen for confirmation will appear. Touching "Yes" will delete all of the marked points. Touching "No" or "Back" will return to the previous screen.

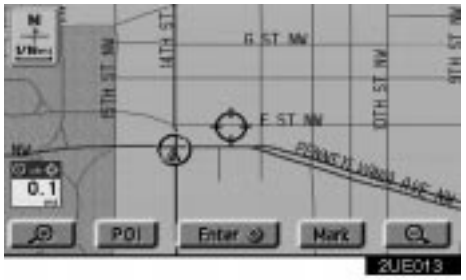
To delete only specified marked points, use the **"Icon", "Date"** or **"Name"** switch to display the screen, so that you can easily find the marked points.





Either of the above messages appears depending on the type of deletion. If you want to delete, touch the **"Yes"** switch. To cancel the deletion, touch the **"No"** or **"Back"** switch.

(d) One–touch marked point registration



You can register your current position or any points (See "Screen Scrolling"on page 52.) from the Map screen by touching the "Mark" switch.

II

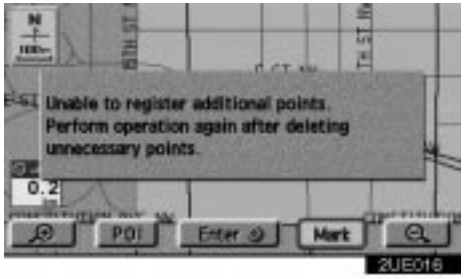
Marked Points

When you touch the **"Mark"** switch, the above screen appears for a few seconds, and then the Map screen returns.

The registered point is shown by ⚑ on the map.

To change the icon or name, etc., see "(b) Editing marked points".

You can register up to 100 marked points. If you attempt to register more than 100, a message appears for confirmation.



If you want to register a new point, delete one of the marked points. See "(c) Deleting marked points".

Area to Avoid

Any areas you want to avoid due to traffic jams, construction work or other reasons can be registered as an area to avoid.

Push the "MENU" button to display Menu screen and then touch the "Marked points" switch to display the following screen.

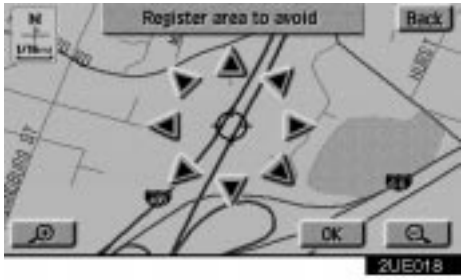
INFORMATION

- ***Some areas and freeways may not be able to be set as an avoid point.***
- ***If a destination is input in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to avoid may be shown.***

(a) Registering area to avoid

1. Touch the "Register" switch of Area to avoid.

2. Show the map of the area to avoid in the same way as you input any destination or display the map of the area you want to avoid. (See page 10 through 26.)

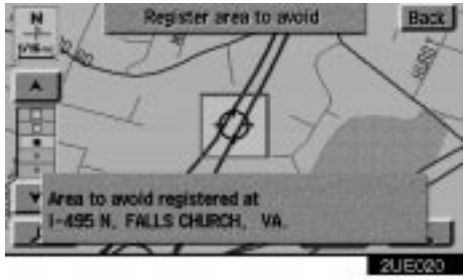


3. Touch the "OK" switch at the center of the area that you want to avoid.

4. Depending on the contents to be edited, touch either ▲ or ▼ switch.

II

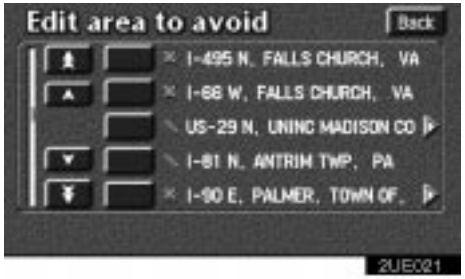
When you touch the **"OK"** switch, the following message appears.



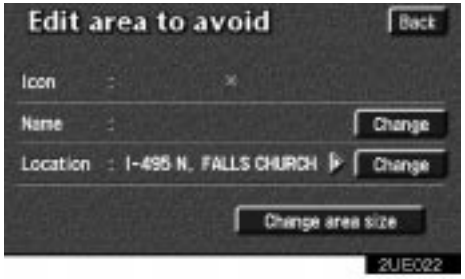
After a few seconds, the Marked points screen returns.

(b) Editing area to avoid

1. Touch the "Edit" switch of Area to avoid to display the Edit area to avoid screen.

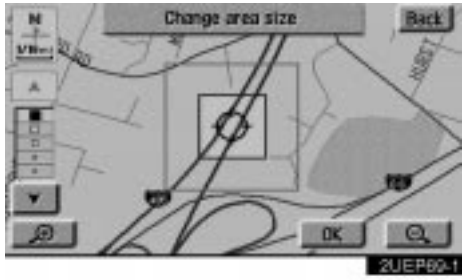


2. Touch the point you want to edit from the list.



You can edit the name, location and size of area to avoid. Touch any change switch that you want to edit.

3. Edit the name, location or size of the area to avoid.



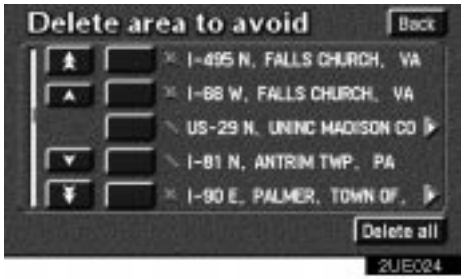
When editing is completed, touch the **"OK"** switch.

INFORMATION

- ***If you try to change the map to an inappropriate scale, a message appears.***
- ***For magnification or reduction of the map scale, see page 51.***

(c) Deleting area to avoid

1. Touch the "Delete" switch of Area to avoid to display the Delete area to avoid screen.

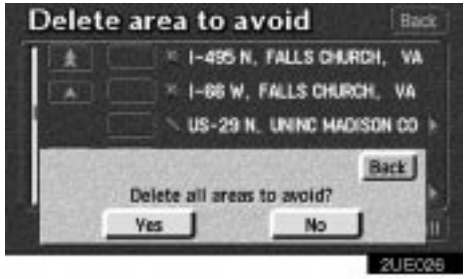


2. Select the area you want to delete.

Delete all: All areas to avoid registered in the system are deleted.

II

Area to Avoid



3. Either of the above messages appears.

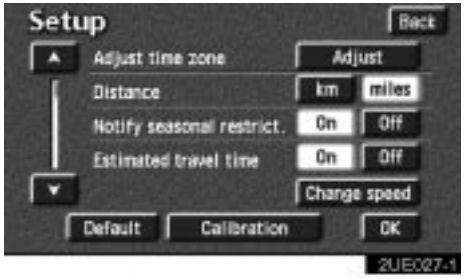
To delete the area(s), touch the **"Yes"** switch.

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

Current Position Calibration

The current vehicle position mark will be automatically corrected during driving on reception of GPS signals. If your vehicle cannot receive GPS signals, you can correct the current position mark manually.

1. Push the "MENU" button to display the Menu screen, and touch the "Set-up" switch.



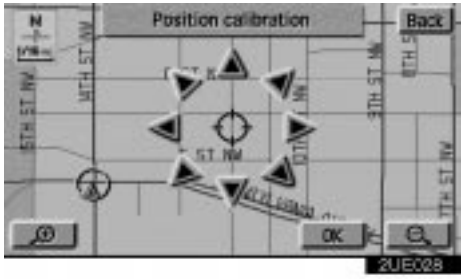
2. Touch the "Calibration" switch.

3. Touch the "Position/Direction" switch.

Current Position Calibration

INFORMATION
For additional information on current position accuracy, see “Limitations of the Navigation System” on page 54.

● Position/Direction calibration



1. Touch the scroll arrows to move the cursor ⌖ to your desired location.

Touch the **“OK”** switch.

2. Touch either the left or right arrow to correct the direction of the current vehicle position mark.

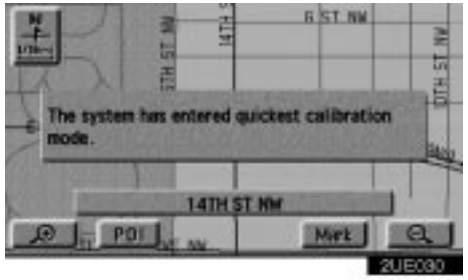
Touch the **“OK”** switch on the screen and the Map screen returns.

II

● Tire change calibration

The tire change calibration function is to be used when the tires are replaced. This will adjust for any possible change in tire circumference from the old tires to the new ones. If this procedure is not performed when tires are replaced, the current vehicle position mark may become incorrect.

To execute the fast distance tire calibration procedure, touch the **"Tire change"** switch on the Calibration screen.



The above message appears and the fast distance calibration is automatically started. A few seconds later, the Map screen returns.

SECTION III

MORE ADVANCED FUNCTIONS

Convenient features

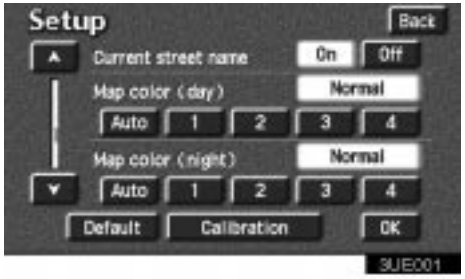
Setup 86
Map color 87
Auto reroute 87
Estimated travel time 88
Adjusting time zone 89
Distance indication 90
Notifying seasonal restriction 91
Voice guidance in all modes 92
Current street name 93
Maintenance information 93
Dealer setting 95
Calendar with memo 98

Setup

You can set the values shown on the Set-up screen.

1. Push the "MENU" button.

2. Touch the "Setup" switch to display the Setup screen. Select your desired items you want to set. Selected items will be highlighted in green.



3. Touch the "OK" switch on the screen and the previous screen returns.

To default: Touch the **"Default"** switch on the screen. All of the settings can be defaulted.

Map color (day or night): You can select your desired map color.

Auto reroute: You can set the system will or will not automatically search for a new route to the destination.

Estimated travel time: You can set to display the time required to reach the destination on the road guidance screen.

Adjust time zone: You can select your desired time zone.

Distance: You can change "km" or "miles" to display your desired units.

Notify seasonal restrict: You can select to notify or not to notify a seasonal restriction.

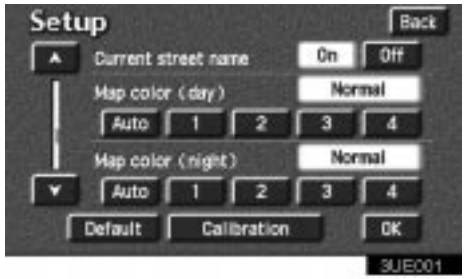
Voice guide in all modes: You can set the voice guide in all modes or not.

Current street name: You can select to show or not to show a current street name on the Map screen.

MAP Color

1. Push the "MENU" button.

2. Touch the "Setup" switch.



3. Select your desired day and/or night Map color and then touch the "OK" switch to return the Map screen. See "The map color list" below for details.

Touch the **"Normal"** switch to default the Map color.

Touch the **"Auto"** switch to select the Map color automatically. The Map color is changed in every three month.

The Map color list

Switch NO.	Map color	"Auto" mode
1	Green	Mar.–May
2	Blue	Jun.–Aug.
3	Gray	Sep.–Nov.
4	Beige	Dec.–Feb.

Auto Reroute

When the auto reroute feature is turned on, the system will automatically search for a new route to the destination if you leave the guidance route. This feature does not operate while you are driving on roads where the guidance is not available.

1. Push the "MENU" button to display the Menu screen, and touch the "Set-up" switch.

III

Auto Reroute

2. Touch the "On" switch of the "Auto reroute". If you can not find the item on the list, touch ▼ or ▲ switch to scroll the list.

INFORMATION

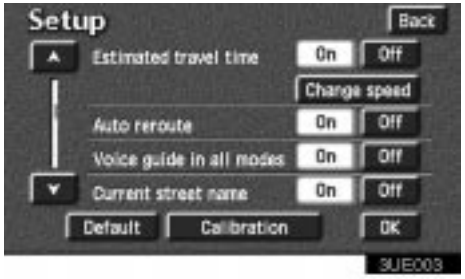
If your vehicle leaves the guidance route, the system searches for a new route to the destination. The new route may or may not take you back to the previous route depending on how far you are off the original guidance route.

Estimated Travel Time

When the estimated travel time feature is turned on, the time required to reach the destination is displayed on the Route guidance screen.

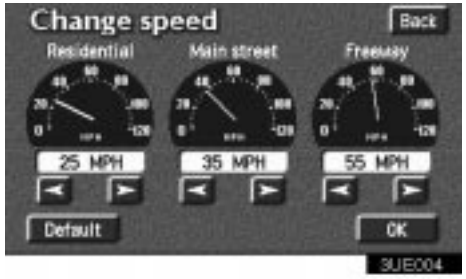
To turn the Estimated travel time on:

1. Push the "MENU" button to display the Menu screen, and touch the "Set-up" switch.



2. Touch the "On" switch of the Estimated travel time. If you cannot find the item on the list, touch ▼ or ▲ switch and scroll the list.

Estimated Travel Time



To set the average speeds:

1. Touch the "Change speed" switch of Estimated travel time.

2. Touch ◄ or ► to set the average vehicle speeds for driving on a Freeway, Main street and Residential area.

If you touch the **"Default"** switch, the default speed is set at each item.

3. After you finish setting the desired speeds, touch the "OK" switch. The Setup screen returns.

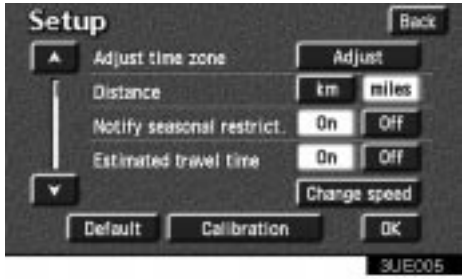
INFORMATION

- ***The displayed time to the destination is the approximate driving time calculated based on the speeds you selected and your actual position along the guidance route.***
- ***The time shown may vary greatly depending on your progress along the route (which may be affected by road conditions such as traffic jams, construction work, etc.)***
- ***Up to 99 hours 59 minutes can be displayed.***

Adjusting Time Zone

1. Push the "MENU" button.

2. Touch the "Setup" switch.



III

Adjusting Time Zone

3. Touch the "Adjust" switch, the Adjust time zone screen appears on the display.

4. Select your desired time zone. Selected switch is highlighted in green.

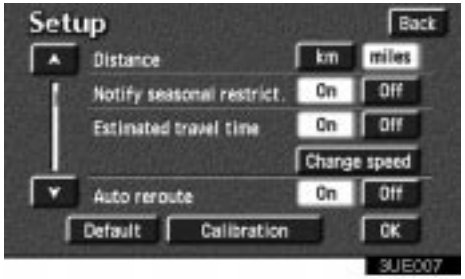
Touch the **"On"** switch and then touch or switch to set the daylight saving time.

5. Touch "OK" switch on the screen and the "Setup" screen returns.

Distance Indication

1. Push the "MENU" button.

2. Touch the "Setup" switch.



3. Touch "km" or "miles" to select your desired units.

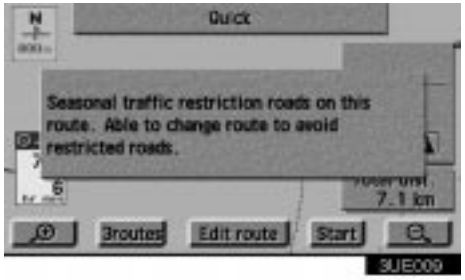
4. Touch the "OK" switch.

Notifying Seasonal Restriction

1. Push the “MENU” button.

2. Touch the “Setup” switch.

3. Touch the “On” switch of the Notify seasonal restrict and then touch “OK” switch. The screen return to the current position map.



The restricted road icon and the message may appear on the screen.

III

Voice Guidance in All Modes

1. Push the **"MENU"** button.

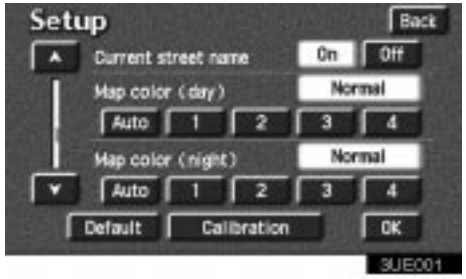
2. Touch the **"Setup"** switch.

3. Touch the **"On"** switch on the right of "Voice guide in all modes".

Current Street Name

1. Push the “MENU” button.

2. Touch the “Setup” switch.



3. Touch the “On” switch on the right of Current street name.

The current street name appears on the Map screen.

Maintenance Information

This system has a function which informs you of the time to replace certain parts or components as well as other information shown on the screen. (See “Information Items” on page 95.) When the system begins operating after reaching either the Information Item’s date or driving distance, the Information screen will be displayed.

The Information screen will not be displayed again by touching the **“Do not display this message again”** switch.

III

Maintenance Information

1. Push the "INFO" button on the automatic air conditioning control panel to display the Information Menu screen. Touch the "Maintenance" switch to display the Maintenance screen.

2. Touch your desired icon and input the conditions.

Date of notice: Input the next maintenance date.

Distance of notice: Input the driving distance until the next maintenance check. You can input a five–digit number for the driving distance.

When you touch the ! switch on the screen, the screen changes to display the change name screen. Touch the keys to input your desired name and then input the conditions.

After you input that information, touch the **"OK"** switch. The screen then returns to the Maintenance screen. The icon's color will change to green after the date or driving distance are input. The icon's color will change to orange when your vehicle needs to be serviced. The following switches appear on the Maintenance screen.

Delete all: Cancel all conditions which have been input.

Reset all: Reset the item which has satisfied either condition.

Touch the **"Off"** switch of the Maintenance screen, and the Information screen will no longer be displayed.

INFORMATION

- ***For scheduled maintenance information, please refer to the "Owner's Manual Supplement / Scheduled Maintenance".***
- ***Depending on your driving or the road conditions, the system may have a time–lag between the data which has been input and the actual date and driving distance.***

Maintenance Information

Information items

- Oil change
- Replace oil filter
- Rotate tires
- Replace tires
- Replace battery
- Replace brake linings
- Replace wiper blades
- Replace engine coolant
- Replace brake fluid
- Replace ATF
- Scheduled maintenance
- Replace air filter
- Personal

Dealer Setting

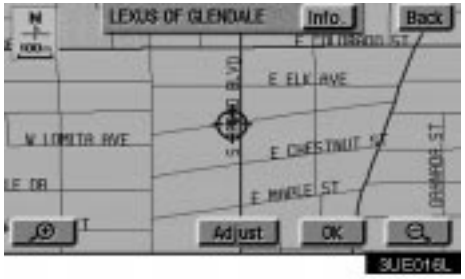
You can register your dealer's name and address. Touch the "Set dealer" switch on the Maintenance screen.

III

Dealer Setting

(a) Registering dealer

1. Enter your dealer's location address in the same way as you input any destination. (See page 10 through 26.)



2. After you enter your dealer, the screen changes and displays the map location of the dealer. If it is OK, touch the "OK" switch.

The current screen changes to the screen where you can edit the data of your dealer. (See (b) Editing dealer.)

By touching the **"View map"** switch of Edit dealer screen. You can see the location of the dealer. (See "Entering Destination" on page 26.)

(b) Editing dealer

1. Touch the "Set dealer" switch and touch the "Change" switch of the item to edit.

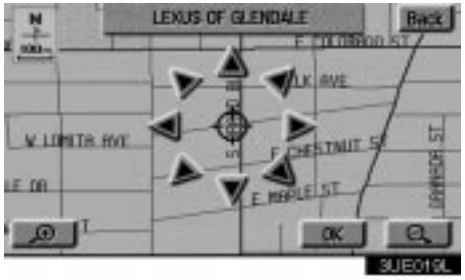
Dealer Setting

- **Editing the name of the dealer or staff in charge**

Touch alphabet or numeral keys directly to input the name.

After you finish your entry, touch the **"OK"** switch. The previous screen will be displayed.

- **Editing the location**



Touch the arrows to scroll to your desired point on the Map screen.

Touch the **"OK"** switch when the cursor ⌖ moves to your desired point.

The previous screen will be displayed.

- **Editing the phone number**

Touch numeral keys directly.

After you finish your entry, touch the **"OK"** switch.

The previous screen will be displayed.

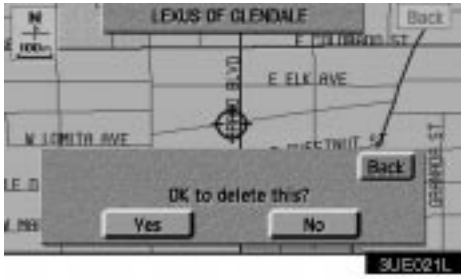
After you finish any editing, touch the "Back" switch.

III

Dealer Setting

(c) Deleting dealer

1. Touch the "Set dealer" switch and touch the "Delete dealer" switch.



2. A selected point will appear. Also, a message will appear at the bottom of the screen. To delete, touch the "Yes" switch. To cancel the deletion, touch the "No" switch.

Calendar with Memo

This system has a function which informs you the memo you entered. When the system begins operating after reaching the memo's date, the Information screen will be displayed.

The Information screen will not be displayed again by touching the **"Do not display this message again"** switch.

Calendar with Memo

Push the "INFO" button to display the Information Menu screen. Touch the switch of calendar to display the Calendar screen.

Today's date is circled in green. If today's date is not displayed on the screen, touch **"Today"** switch to display a calendar of this month.

(a) Inputting a memo

1. Touch directly on the day you want to input a memo.

2. Touch the "Memo" switch to display the screen to input a memo.

3. Touch alphabet, umlaut keys directly to input a memo. You can input up to 24 letters.

III

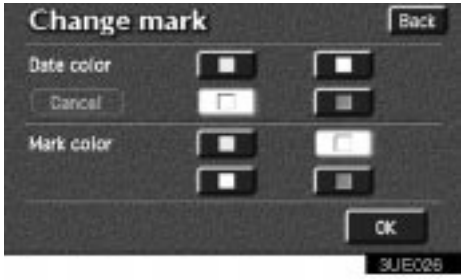
Calendar with Memo

After you input the memo, touch the **"OK"** switch at the bottom right of the screen. The previous screen will be appeared.

You can input a memo until December 31. 2020.

The date you input the memo is displayed with mark as above illustration. The default color of the mark is white.

You can select your desired date and/or mark color. Touch the "Chg. mark" switch.



Select your desired Date or Mark color. If you want to default the Date color you chose, touch the "Cancel" switch. After you select the Date and/or Mark color, touch the "OK" switch to display the previous screen.

Calendar with Memo

(b) Adding a Memo

When you want to add a memo, touch directly on the date you want to add the memo.

The Memo screen appears on the display. If touching "Memo" switch, the screen to input a memo is displayed. (See page 102 for inputting a memo.)

You can input up to three memos a day.

(c) Deleting a memo

Touch the date you already input the memo. Display the memo you want to delete and then touch the "Delete" switch. A message appears on the display. To delete, touch the "Yes" switch. To cancel the deletion, touch the "No" switch.

(d) Editing a memo

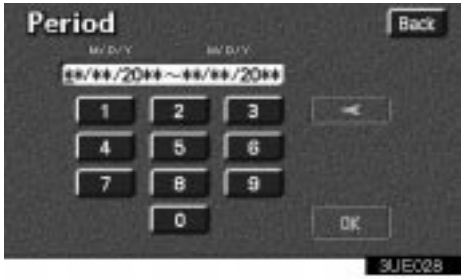
If you want to edit the memo, touch the date. Touching the "Edit" switch will display the Memo edit screen. (See page 103 for the details.)

III

(e) Memo list

If you want to have a look at the memo you input, touch the "List" switch to display the memo list.

Touch your desired search condition to list the memo. The memo list is displayed on the screen.



In case of touching the "Period" switch, you can display the memo list as long as you desired. Touch numeral keys to input your desired search period. After inputting a search period of time, touch the "OK" switch. The Memo list screen will be displayed.

You can input a search period from January 1. 2000 through December 31. 2020.

If you want to delete and/or edit the memo, touch the switch of the memo.

If you want to delete all of the memo, touch the "Delete all" switch. A message appears on the display. To delete, touch the "Yes" switch. To cancel the deletion, touch the "No" switch.

If you want to remove all of the color of date you input, touch the "Remove color of date" switch. A message appears on the display. To remove, touch the "Yes" switch. If not, touch the "No" switch.

To edit: Touch the **"Edit"** switch. (See page 101 for details.)

To delete: Touch the **"Delete"** switch. (See page 101 for details.)

SECTION IV

OTHER FUNCTIONS

Screen Adjustments

Screen adjustment 106

Screen Adjustment

You can adjust the brightness or contrast of the screen depending on the brightness of your surroundings. You also can turn the display off.

Push the "DISPLAY" button on the automatic air conditioning control panel to display the DISPLAY screen.

INFORMATION
The display may be tinged in purple due to the reflection of sunlight, but this is not a malfunction.

Contrast and brightness adjustment

CONTRAST "+":
Strengthens the contrast of the screen.

CONTRAST "–":
Weakens the contrast of the screen.

BRIGHTNESS "+": Brightens the screen.

BRIGHTNESS "–": Darkens the screen.

The screen turns off when you push the "SCREEN OFF". To turn the display screen back on, push any buttons on the automatic air conditioning control panel such as "INFO", etc. The selected screen appears.

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

To display the screen in the day mode even with the head light switch on, touch "DAY MODE" on the adjustment screen for brightness and contrast control.

However, if the instrument panel light control switch is turned fully to the right, mode switching cannot be done. It remains in the day mode. In this case, "DAY MODE" is not shown on the screen.

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