

## Introduction

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**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 53 through 55.**

**TOYOTA MOTOR CORPORATION**

## Introduction

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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.

## Introduction

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**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 (i.e., for the “Trip information” screen), the current screen would change to the “CAUTION” screen by pushing the **“MAP/VOICE”**, **“DEST”** or **“MENU”** button on the bezel 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.**

## Safety Introduction

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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.**

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.

## Overview of Touch Screen and Switches

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### Switch operation

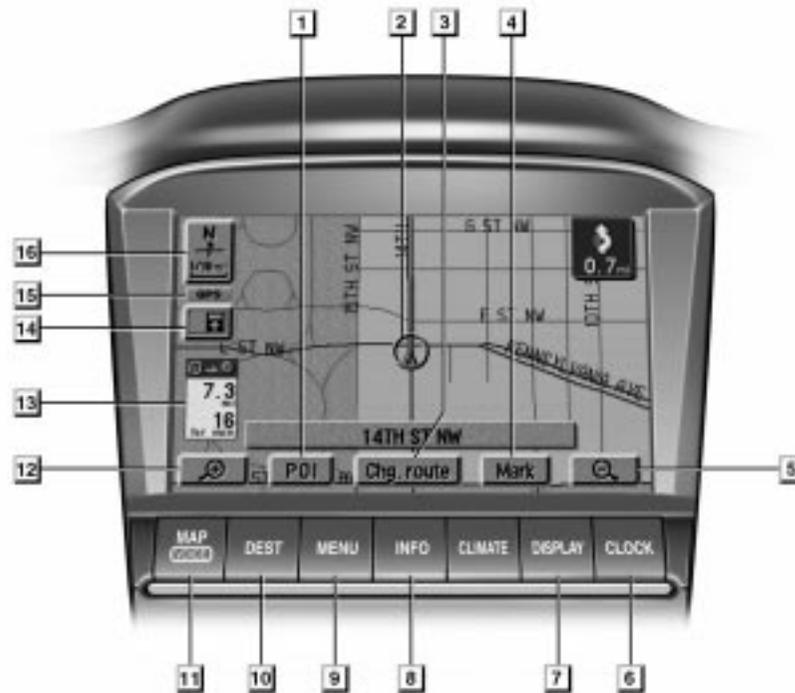
This system operates mainly by the switches on the screen. To protect the screen, lightly touch switches on the screen with your finger. When you touch a switch on the screen or push a button, a beep sounds.

- *Under extremely cold conditions, the display may take time to change and the map may not be displayed. Also, the buttons on the bezel may be harder than usual to depress, and the data input by a user may be deleted.*

#### **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.*

## Symbols, Switches and Buttons



### Page

- 1 **Displaying of points of interest**  
Icons such as restaurants and hotels, etc. can be displayed on the screen. .... 46
- 2 **Current vehicle position mark**  
Indicates the current position. .... 36
- 3 **Changing the route guidance**  
When you touch this switch, the "Change route" screen will appear. .... 32
- 4 **One-touch registration of marked point**  
Touch this switch to register the current vehicle position as a marked point. .... 75
- 5 **Zoom out**  
This switch reduces the map scale. .... 50
- 6 **CLOCK button**  
Push this button to display the "Adjust Clock" screen. This clock can be corrected manually or by using signals from the GPS. .... 102
- 7 **DISPLAY button**  
Push this button to display the "Display" screen. .... 105

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- 8 INFO button**  
Push this button to display the “Information Menu” screen.  
..... iii, 90, 95, 103, 105
  - 9 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.
  - 10 DEST button**  
Push this button to display the “Destination” screen. .... 4
  - 11 MAP/VOICE button**  
Push this button to repeat voice guidance, cancel one touch scroll, start guidance and display the current position. .... 36
  - 12 Zoom in**  
This switch magnifies the map scale. .... 50

- 13 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.
- 14 Map/Guidance**  
Touch this switch to change the screen mode. .... 31
- 15 GPS (Global Positioning System) mark**  
Whenever your vehicle is receiving signals from the GPS, this mark is displayed. .... 53
- 16 North-up or heading-up symbol and scale of map**  
Indicates a map view with north up or heading up. Touching this symbol changes the map orientation. The figure also indicates the map scale. .... 52





# SECTION I

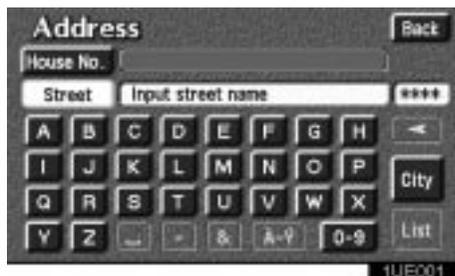
## BASIC FUNCTIONS

### Descriptions of basic operations in frequent use

Inputting letters and numbers .....	2
How to move the cursor .....	4
Destination input Explains 11 ways to input your destination .....	4
<i>Explains 11 ways to input your destination</i>	
Setting and deleting destination .....	25
Setting and deleting preferred road .....	29
Route guidance screen .....	31
Route preview .....	35
Current position display .....	36
Voice guidance .....	37
Typical voice guidance prompts .....	38
Registering your home .....	40
Registering preset destinations .....	42
Detour setting .....	45
Displaying POI .....	46
Map appearance .....	48
Map scale .....	50
Screen scrolling .....	51
Orientation of the map .....	52
Limitations of the navigation system .....	53
Map database information and updates .....	56

## Inputting Letters and Numbers

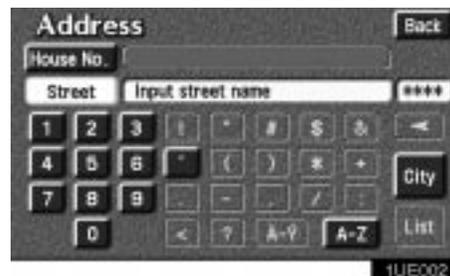
The navigation system operates by switches on the screen and the buttons located on the front face around the screen. When you touch a switch or push a button, a beep sounds. When using the switches on the touch screen, please use only light pressure with your finger to protect the screen from damage. Do not use objects other than your finger to touch the screen.



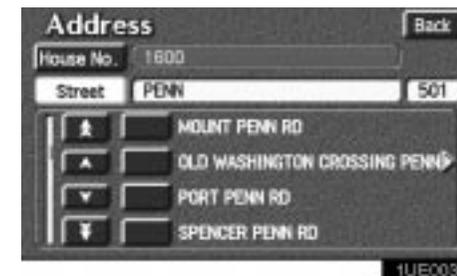
To type in an address etc., directly touch alphabet keys on the screen. If you touch a wrong letter, delete it using the  switch. Touching the  switch erases one letter.

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.



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.

## Inputting Letters and Numbers

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▶ 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.

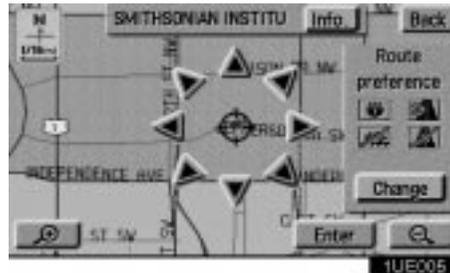
◀ Touching ◀ will scroll the name to the beginning of the name.



## How to Move the Cursor



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



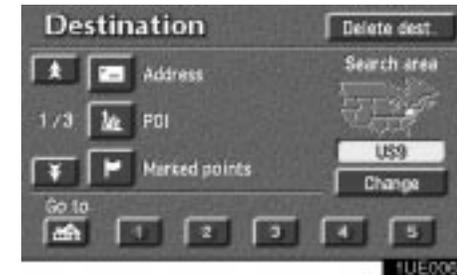
► **Position locating screen on the map**

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

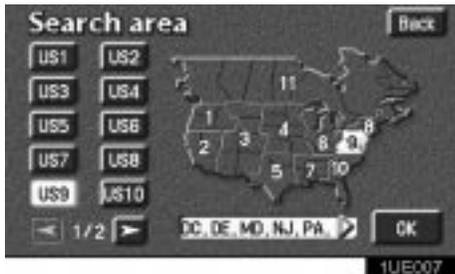
Push the “DEST” button and the Destination screen appears.



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

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

## Destination Input



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

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

USA	
Switch	States included in the search area
US1	Idaho Oregon Washington
US2	California Nevada
US3	Arizona Colorado Montana New Mexico Utah Wyoming
US4	Iowa Kansas Minnesota Missouri Nebraska North Dakota South Dakota
US5	Oklahoma Texas
US6	Illinois Indiana Kentucky Michigan Ohio Wisconsin

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



## Destination Input

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

You can find your destination using various methods. See pages 7 through 25 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 7 for the detailed steps.

**2. By Preset destination (  —  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 8 for the detailed steps.

**3. By Address:** You can input the house number and the street address by using the input keys. See page 9 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 12 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 18 for the detailed steps.

**6. By Previous destination:** You can select a destination from any of the last 20 previously set destinations. See page 19 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 20 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 21 for the detailed steps.

**9. By Freeway Entrance/Exit:** You can enter the name of the freeway (interstate) entrance or exit. See page 22 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 24 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 25 for the detailed steps.

### INFORMATION

- *When inputting the destination, the response to the switch may be slow.*
- *“Points 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”, “Points 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 “(a) Entering destination” on page 25.)

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 40.

## Destination Input by Preset Destination

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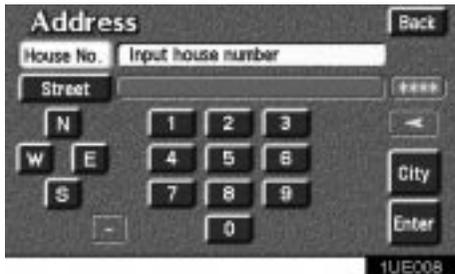
Touch any of **1** — **5** (preset destination) switches on the destination input screen.

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 Destinations” on page 42.

## Destination Input by Address

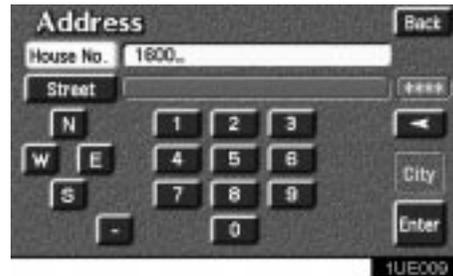


There are 2 ways to input a destination by address.

### (a) Inputting a house number and a street name

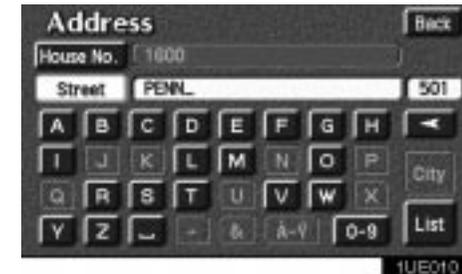
Touch the “Address” switch on the Destination screen. The Address screen appears, and then you can input a house number.

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.



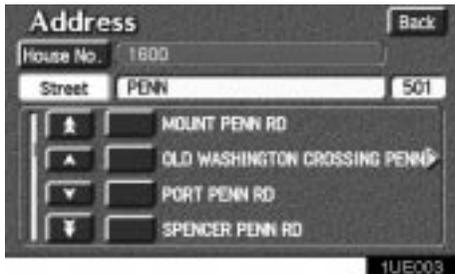
After each letter is input, the system searches the database for street names that match. Alphabet keys are dimmed if the database does not have a match for the next letter in the remaining list of matching street names.

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.

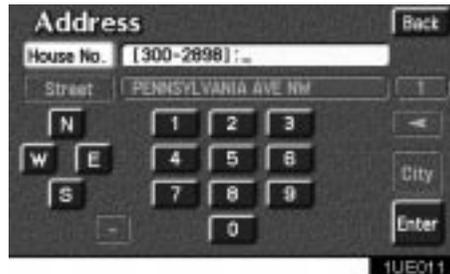


## Destination Input by Address

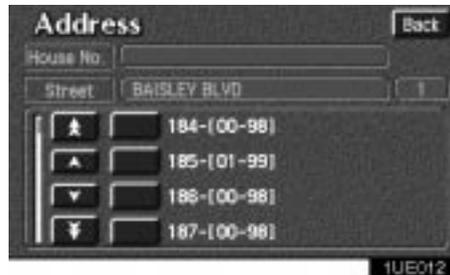


When you find your desired street name, touch **City** of the item. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering destination” on page 25.)

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.



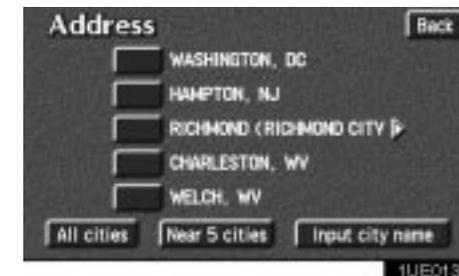
If you input a street name first, the screen changes. You can then input the house number.



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 9.



**Last 5 cities are displayed on the screen.**

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

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

**All cities:** All cities are selected.

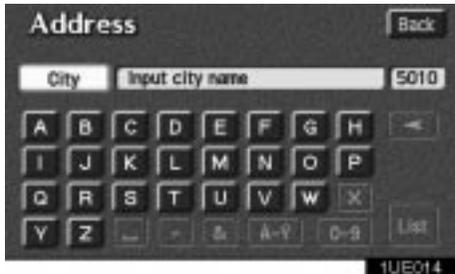
**Near 5 cities:** Near 5 cities are displayed. Selecting a city in the list changes to the display to input a street name.

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

## Destination Input by Address

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



Input the city name.

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

Touch the **■** of the desired city name.

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

The screen changes and displays the map location of the selected destination and the route preference. (See **“(a) Entering destination”** on page 25.)



## Destination Input by POI

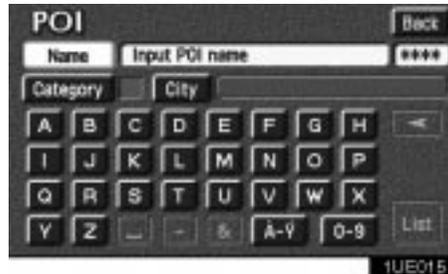
There are 3 ways to select a point of interest location.

- (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

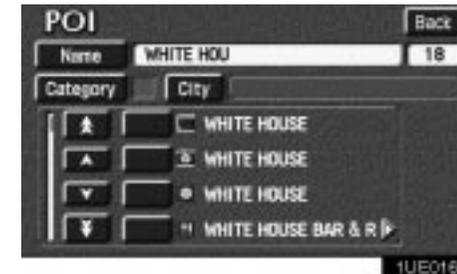
Touch the “POI” switch on the Destination screen.



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.



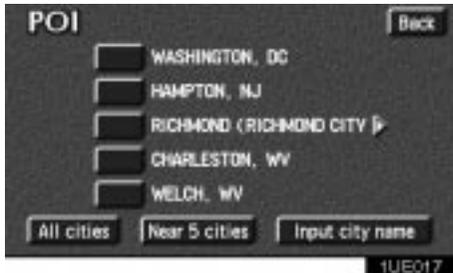
Touch the  of your desired destination. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering destination” on page 25.)

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

## Destination Input by POI

### (b) Selecting a city to search

Touch the “City” switch on the POI screen.



**Last 5 cities are displayed on the screen.**

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

**Touch the [radio button] 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 [radio button] of the desired city name.

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

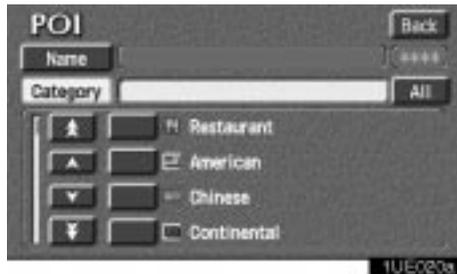
### (c) Selecting from the categories

Touch the “Category” switch on the POI screen.

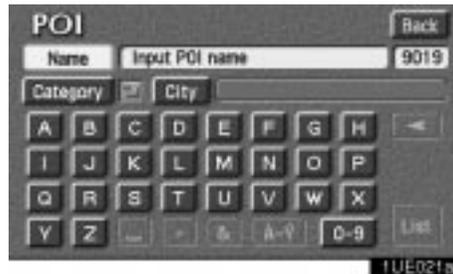


**The categories are shown on the screen. When you touch the icon switch of your desired category, more detailed categories are shown.**

## Destination Input by POI

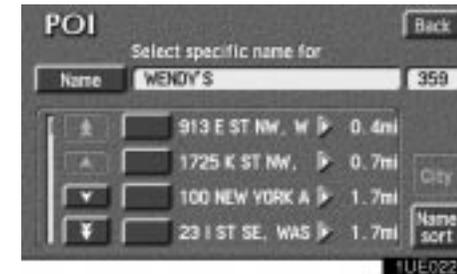


When you touch the **Category** of your desired category, the screen changes and displays the menu to input a name.



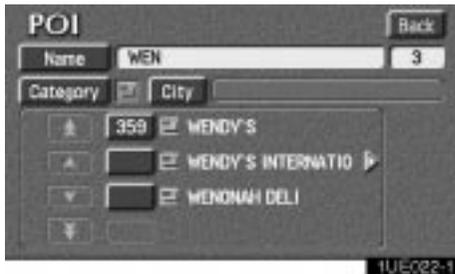
Once you have selected a category, you can touch letters directly on the screen if you input a name. When you input numerals, touch the "0-9" switch to display the screen for numeral input.

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



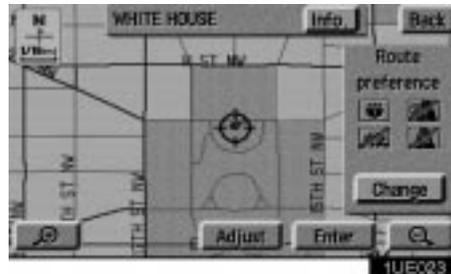
If you input the name of the specific point of interest and if the number of sites with the same name is more than one, the "Name sort" switch will be shown.

## 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 **Info.** switch 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 25.)



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 47.)*

### 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

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ATM



HOSPITAL



MARINA



BANK



LIBRARY



MUSEUM



CITY HALL



POLICE STATION



PARK/RECREATION  
(all search areas)



CIVIC/COMMUNITY CENTER



SCHOOL



PERFORMING ARTS



CONVENTION/EXHIBITION  
CENTER



AMUSEMENT PARK  
(all search areas)



SKI RESORT



COURT HOUSE



CASINO



SPORTS COMPLEX



HIGHER EDUCATION



GOLF COURSE



TOURIST ATTRACTION  
(all search areas)

## Destination Input by POI

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WINERY



JAPANESE



BUS STATION



RESTAURANT



MEXICAN



COMMUTER RAIL STATION



AMERICAN



SEAFOOD



FERRY TERMINAL



CHINESE



OTHER



HISTORICAL MONUMENTS



CONTINENTAL



GROCERY STORE



HOTEL



FRENCH



SHOPPING



PARK AND RIDE



ITALIAN



AIRPORT (all search areas)



RENTAL CAR AGENCY



## Destination Input by POI



REST AREA



TOURIST INFORMATION



TRAIN STATION



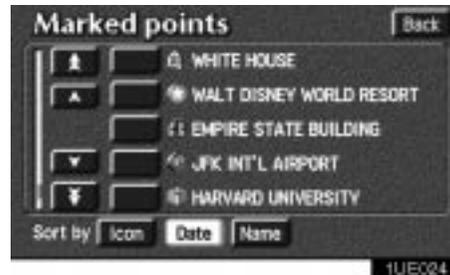
BUSINESS FACILITY



CITY PLACE    CENTER/NAMED

## Destination Input by Marked Points

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



When you touch the  of your desired item, the screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering destination” on page 25.)

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

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

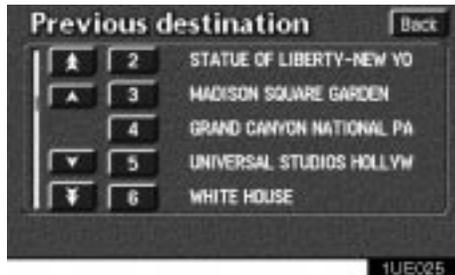
**Sort by Date:** Touch this switch to list the marked points in order of registered date.

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

## Destination Input by Previous Destination

---

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



The screen lists up 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 25.)

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

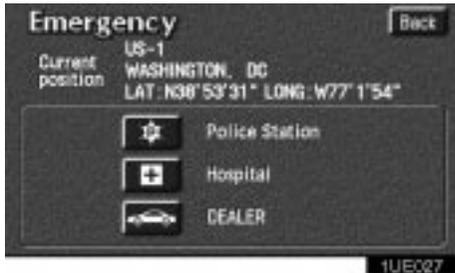


Push the **“MENU”** button to display the Menu screen and touch the **“Marked points”** switch. Touch the **“Del. prev. dest.”** switch.

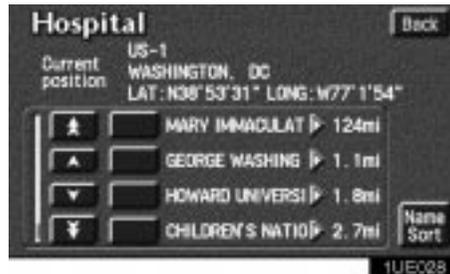
When you touch the switch on each previous destination or **“Delete all”** switch, a message appears to confirm your request. If you are sure, touch the **“Yes”** switch. If not, touch the **“No”** switch.

## 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 **Info.** 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 25.)

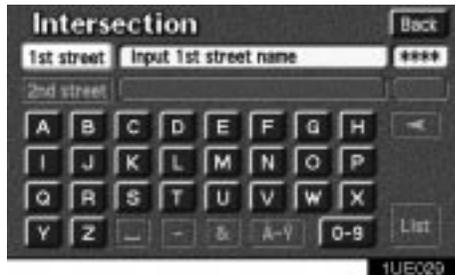
Touch the “Info.” switch on the screen to display the selected emergency destination name, address and telephone number.

### INFORMATION

*The navigation system does not guide in areas where route guidance is unavailable. (See page 56.)*

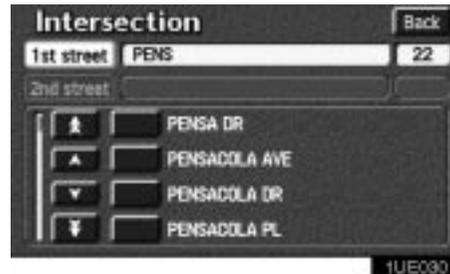
## Destination Input by Intersection

Touch the “Intersection” switch on the Destination screen.

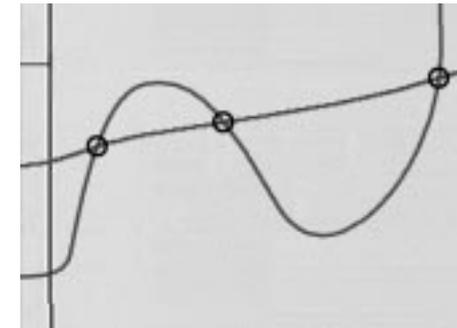


Input the name of the two intersecting streets which are located near the destination to be set.

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 25.)



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 25.)



## 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).

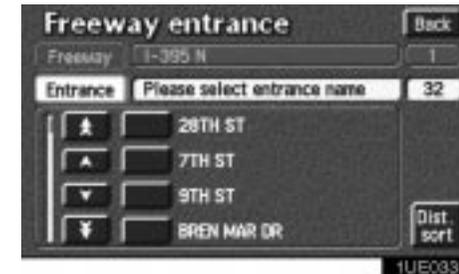
As the number of matching freeways decreases, you can touch the “List” switch to display the list. When the number of sites becomes 4 or less, the list screen appears automatically.



Select the desired freeway by touching the [directional arrow icon].



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



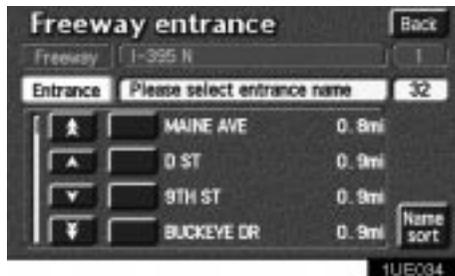
Touch the [directional arrow icon] of the desired entrance or exit name. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering destination” on page 25.)

## 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 25.)

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.

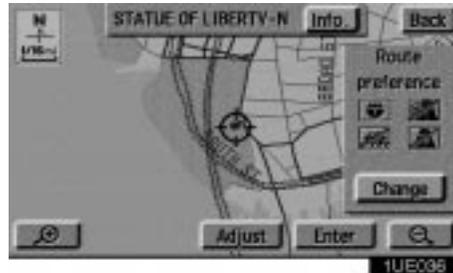


The screen changes and displays the map location that is previously displayed just before the destination input operation and the route preference. (See **“(a) Entering destination”** on page 25.)

## 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 4.)

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.

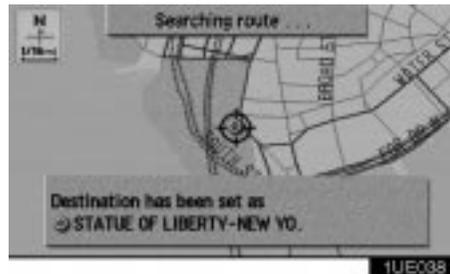


## Setting and Deleting Destination

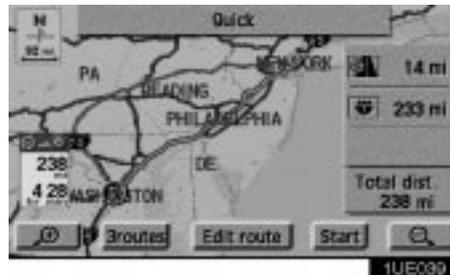
Touch the **“Detour”** switch of **“Restricted road”** to search for a route other than restricted road.

Touching the **“Allow”** switch on each item allows you 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 **“3routes”** 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 an orange line.

**Short:** A route on which you can reach the destination in the shortest distance  
This route is shown as a 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 destinations”**.

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 33.)

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

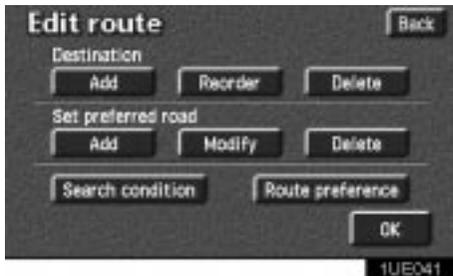
## Setting and Deleting Destination

### (b) Adding destinations

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

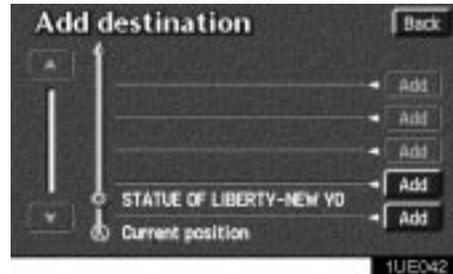


2. Touch the “Edit route” switch.



3. Touch the “Add” switch of Destination.

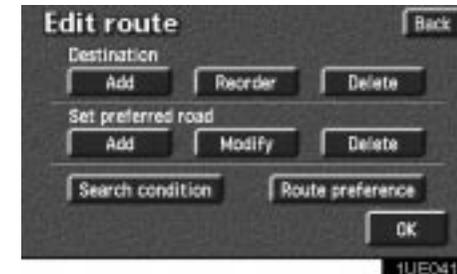
4. Input an additional destination in the same way as the destination input. (See page 25.)



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

### (c) Reordering destinations

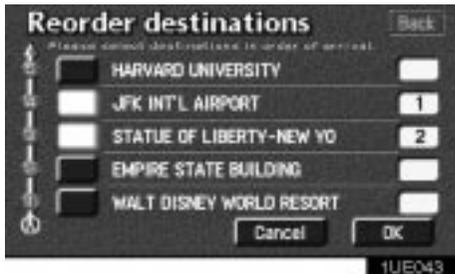
1. Push the “MENU” button to display the Menu screen and touch the “Edit route” switch.



2. Touch the “Reorder” switch of Destination.



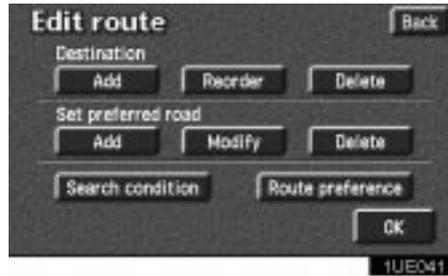
## Setting and Deleting Destination



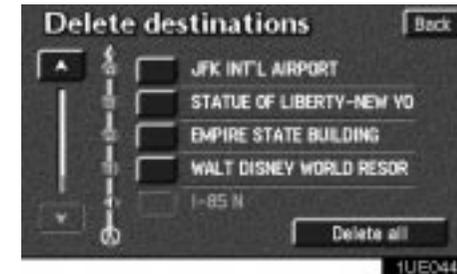
3. Select the destinations in the order of arrival by touching the  switch.

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

### (d) Deleting destination



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



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

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

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

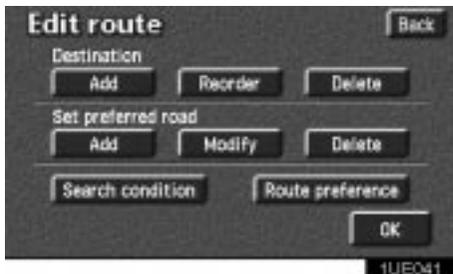
If you touch the **“No”** switch. The previous screen will return.

## Setting and Deleting Preferred Road

### (a) Adding a preferred road



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



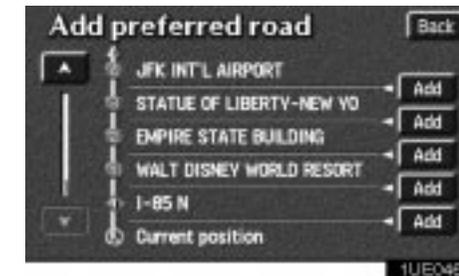
Touch the “Add” switch of Set preferred road. The following screen appears.



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

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

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

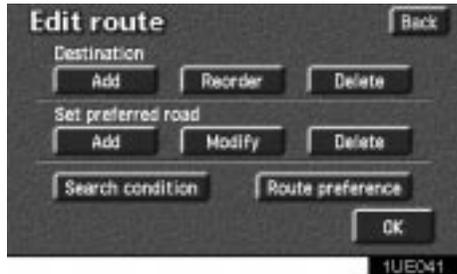


The Add preferred road screen appears. Touch the “Add” switch where you want to add a preferred road.

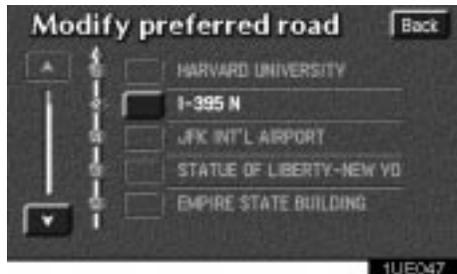


## Setting and Deleting Preferred Road

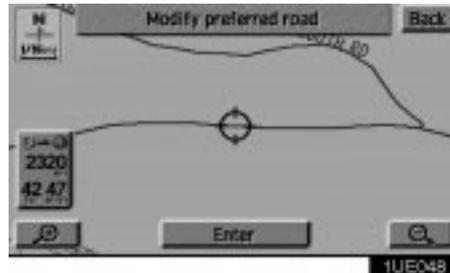
### (b) Modifying a preferred road



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



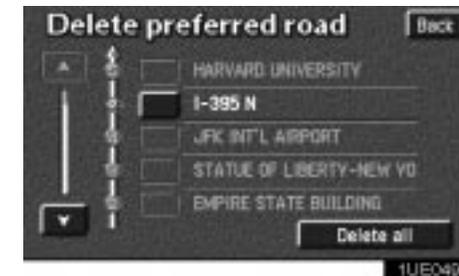
Select the preferred road which you want to modify and touch the **“Delete”** switch.



Do the same procedure as adding a preferred road (see page 29).

### (c) Deleting a preferred road

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



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

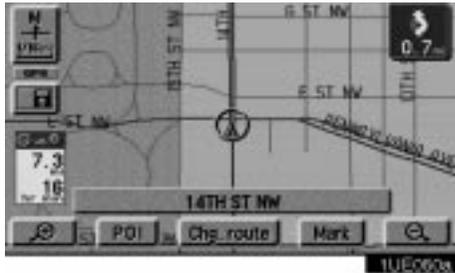
3. Messages appear to confirm your request to delete the preferred road. To delete the point(s), touch the **“Yes”** switch.

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

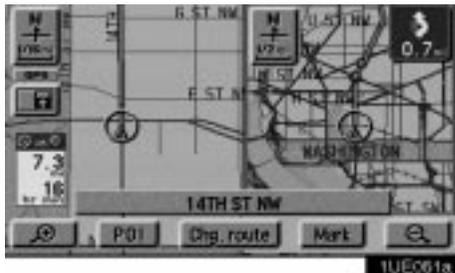
If you want to try again or cancel deletion, touch the **“No”** switch. The previous screen will return.

## Route Guidance Screen

The route guidance system displays two different screen modes.



**Single map:** Map is shown in a screen.



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



**Split screen:** Map and guidance screen are shown in a screen mode. (For detail about Guidance screen, see page 48.)

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



### Map/guidance:

To change the screen mode.



Upon reception of signals from the GPS (Global Positioning System), this mark appears. (For details, see page 53.)



These switches magnify or reduce the map scale. (For details, see page 50.)



Touch this switch, and icons of points of interest are shown on the screen. (For details, see page 46.)



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

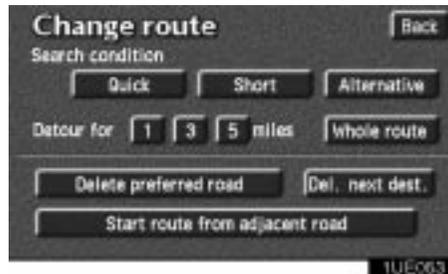


## Route Guidance Screen

### INFORMATION

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

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



**Search condition:** To change the condition for Reroute.

**Detour:** To change the condition for Detour. (For details, see page 45.)

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

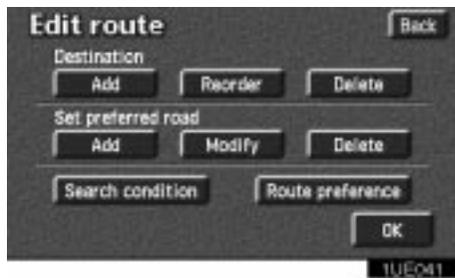
### INFORMATION

*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.*

## Route Guidance Screen

### Search condition

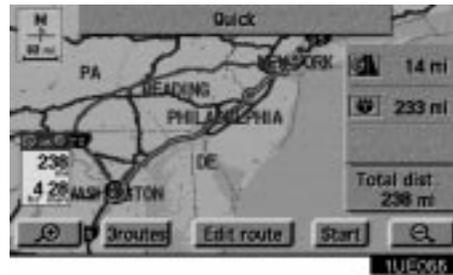
Push the “MENU” button to display the Menu screen and touch the “Edit route” switch.



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



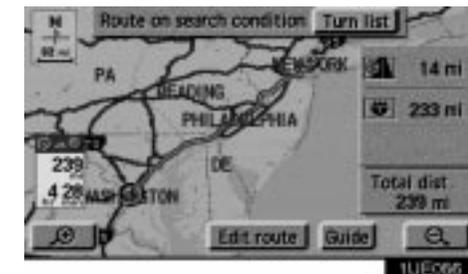
Touch the “Quick” or “Short” switch and then the “OK” switch.



### Route overview



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



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



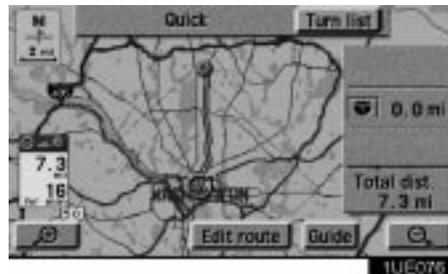
## Route Guidance Screen

### Turn list

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



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



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



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



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

## Route Guidance Screen

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

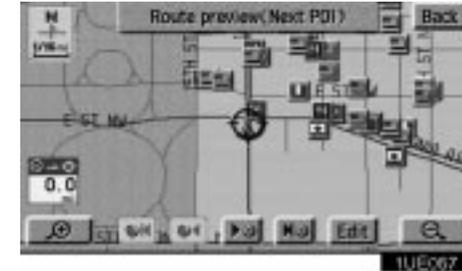


### INFORMATION

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

## Route Preview

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



To indicate the next destination or selected POI



To preview the route to the next destination or selected POI



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



To stop the preview



To review the route to the current position



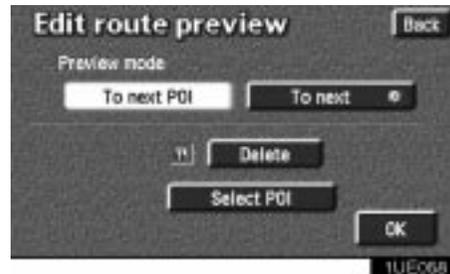
## Route Preview



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



To indicate the current position



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

**To next POI:** Preview the next POI

**To next** : Preview the next destination

**Delete:** To delete the POI icon.

**Select POI:** To select the POI icon.

Touch the **“OK”** switch after the selection.

## Current Position Display



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

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

If you move the map with a “one-touch” scroll (see page 51 for details), the current vehicle position mark continues to track your current location.

## Current Position Display

### INFORMATION

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

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

### INFORMATION

*After the battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the system receives signals from the GPS, the correct current position is displayed.*

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

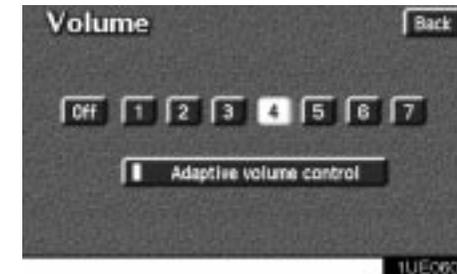
## Voice Guidance

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

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



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



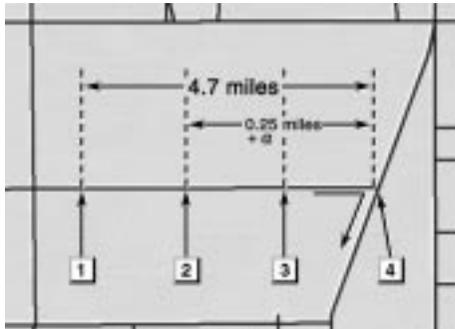
Touch any number to select the desired volume. Touching the “Off” switch turns the voice route guidance off. If you turn the “Adaptive volume control” on, the volume is turned up automatically when the vehicle speed exceeds 80 km/h (50 mph).

### INFORMATION

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



## Typical Voice Guidance Prompts

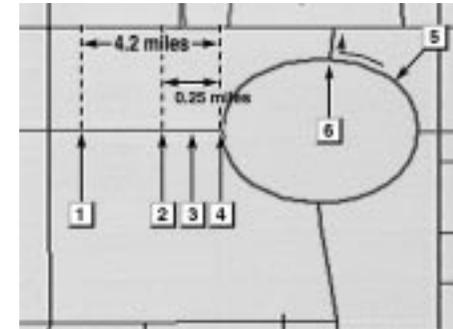


The voice guidance provides various messages as you approach an intersection, or other point where you need to maneuver the vehicle.

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

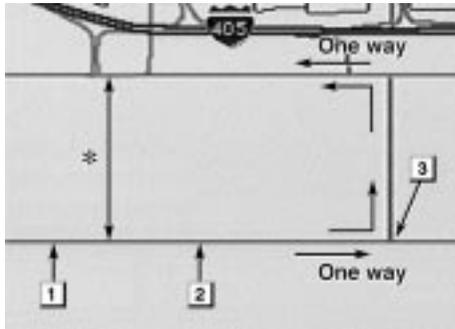
### INFORMATION

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



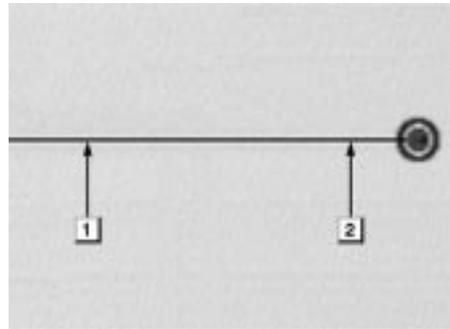
- 1  "Proceed about 4 miles to the traffic circle."
- 2  "In a quarter of a mile, traffic circle ahead, and then 3rd exit."
- 3  "The 3rd exit ahead."
- 4  (Beep sound only)
- 5  "The exit ahead."
- 6  (Beep sound only)

## Typical Voice Guidance Prompts



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

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



The system announces your approach to the final destination.

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

### INFORMATION

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

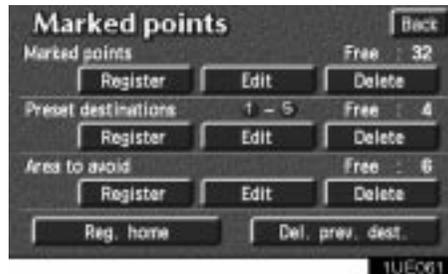


## Registering Your Home

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



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



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

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



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

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

## Registering Your Home

### Deleting your home



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



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



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



## Registering Preset Destinations

You can register up to 5 preset destinations

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



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



3. Touch any of the  switches for which 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 25.)

## Registering Preset Destinations

### Editing preset destinations

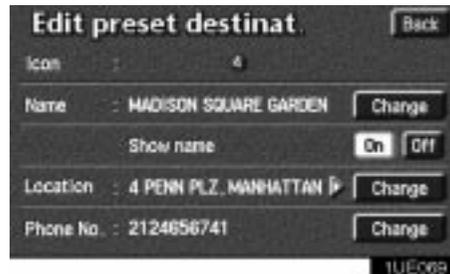
1. Push the “MENU” button to display the Menu screen and touch the “Marked points” switch.



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



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

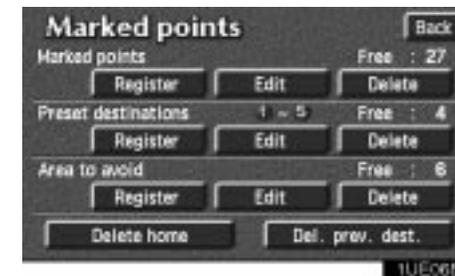


You can change the name, location and phone number of the preset destination.

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

### Deleting the preset destinations

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



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



## Registering Preset Destinations

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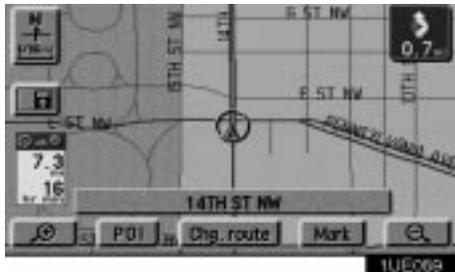
3. Select the preset destination that you want to delete and touch the  switch.

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

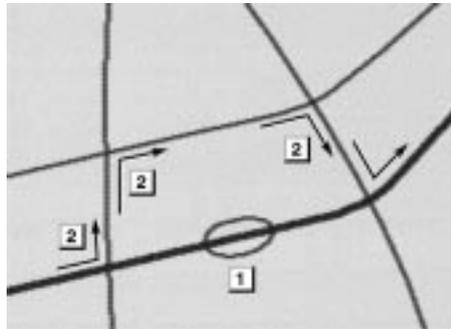
Messages appear depending on the type of deletion. If you want to delete, touch the “Yes” switch. To cancel the deletion, touch the “No” switch.

## 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.



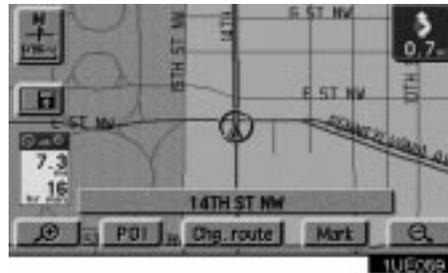
## Detour Setting

### INFORMATION

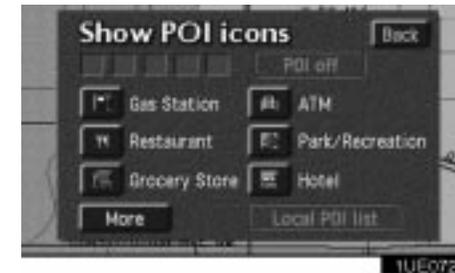
- *When your vehicle is on a freeway, the detour distance selections are 5, 15, and 25 miles.*
- *The system may not be able to calculate a detour route depending on the selected distance and surrounding road conditions.*

## 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.

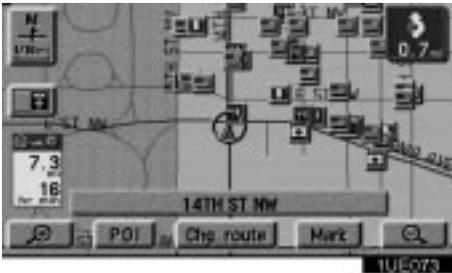


To display a particular type of point of interest on the screen, touch the “POI” switch on the Map screen.



## Displaying POI

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



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



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

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

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

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

**Icon:** In the order of the POI icons

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

**Name:** In alphabetical order

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

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

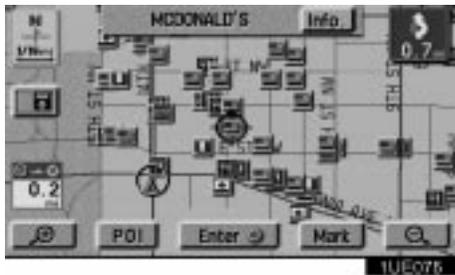
**To turn off the icons of the points of interest on the Map screen, touch the “POI off” switch.**



## Displaying POI

### Setting a POI as a destination

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



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

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

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

When your desired point of interest overlaps with the cursor, touch the “Enter” switch. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering destination” on page 25.)

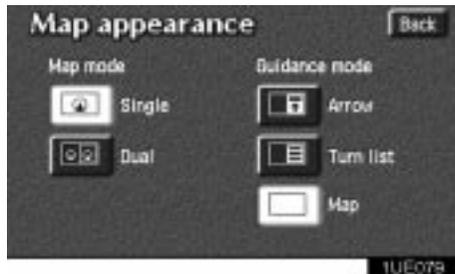
## Map Appearance

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



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

## Map Appearance



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

### Map mode



To display single map screen



To display dual map screen

### Guidance mode



To display arrow screen

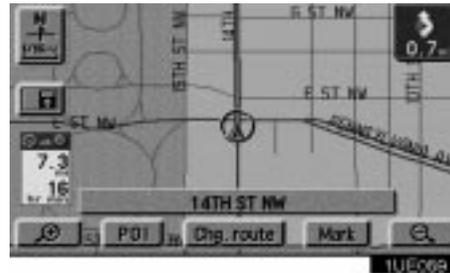


To display turn list screen



To display map screen

Single map



This screen shows the single map.

Dual map



This 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



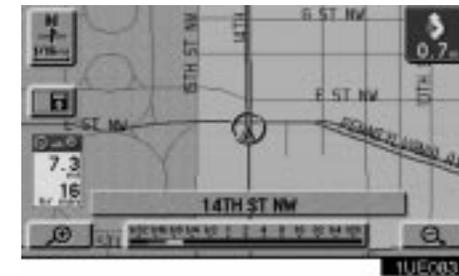
This screen shows the current road name and the distance to the next corner.

### Turn list screen



This screen shows the turn list. You cannot scroll through the list of roads.

## Map Scale



Touch  switch or  switch to change the scale of the map display. The scale bar and indicator at the bottom of the screen indicates the map scale menu. The scale runs from 1/32nd of a mile to 128 miles. Touch  switch or  switch until the scale bar changes normally. If you continue to hold your finger on the switch, the scale bar changes smoothly.

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

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

## Map Scale

### INFORMATION

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

## Screen Scrolling



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

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

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

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

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

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

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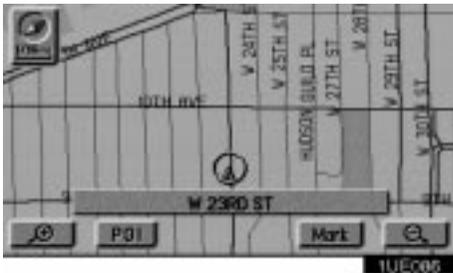


You can change the orientation of the map from North-up to Heading-up by touching the direction symbol at the top left of the screen.



**North-up symbol**

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



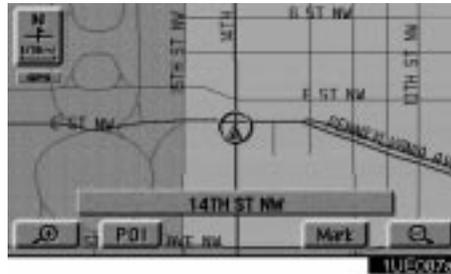
**Heading-up symbol**

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

## Limitations of the Navigation System

**This navigation system calculates the current vehicle position using satellite signals, various vehicle signals, map data, etc. However, the accurate position may not be shown depending on the satellite condition, road configuration, vehicle condition or other circumstances.**

The Global Positioning System (GPS) developed and operated by the U.S. Department of Defense provides an accurate current vehicle position using 3 to 4 satellites. The GPS system has a certain level of inaccuracy built in for security reasons. While the navigation system will compensate for this most of the time, occasional positioning errors up to 300 feet can and should be expected. Generally, position errors will be corrected within a few seconds.



When your vehicle is receiving signals from the satellites, the “GPS” mark appears at the top left of the screen.

The GPS signal may be physically obstructed, leading to inaccurate vehicle position on the map display. Tunnels, tall buildings, trucks, or even the placement of objects on the instrument panel may obstruct the GPS signals.

The installation of window tinting may also obstruct the GPS signals. Most window tinting contains some metallic content that will interfere with the GPS signal reception. We recommend not to use the window tinting on vehicles equipped with navigation systems.

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

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

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## Limitations of the Navigation System

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### (a) Accurate current vehicle position may not be shown in the following cases:

- When driving on a small angled Y-shaped road.
- When driving on a spiral road.
- When driving on a slippery road such as in sand, gravel, snow, etc.
- When driving on a long straight road.
- When freeway and surface streets run in parallel.
- After moving by ferry or vehicle carrier.
- When a long route is searched during high speed driving.
- When driving without setting the current position calibration correctly.
- After repeating a change of directions by going forward and backward, or turning on a turntable in the parking lot.
- When leaving a covered parking lot or parking garage.
- When a roof carrier is installed.
- When driving with the tire chains installed.
- When the tires are worn.

- After replacing a tire or tires.
- When using tires that are smaller or larger than the factory specifications.
- When the tire pressure in any of the four tires is not correct.

### INFORMATION

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

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

- When turning at a wrong intersection off the designated route guidance
- If you set more than one destination, 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

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- Some routes may not be searched.
- If the route to your destination includes gravel, unpaved roads or alleys, the route guidance may not be shown.
- Your destination point might be shown on the opposite side of the street.
- When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time or season or other reason.
- The road and map data stored in your navigation system may not be complete or may not be the latest release.

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

## Map Database Information and Updates

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

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© GDT, Geographic Data Technology, Inc.

Data by infoUSA Copyright © 2002, All rights reserved.

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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.

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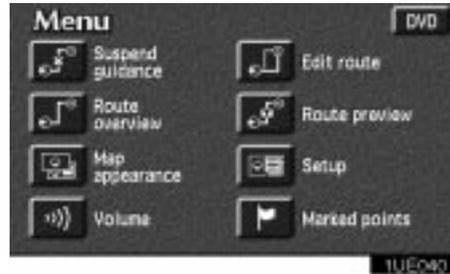


In order to provide you with accurate map information as much as possible, we are always gathering information such as road repairs and doing site investigation. However, the names of roads, streets, facilities, and their locations are often changed. In some places, construction on roads may be in progress. For that reason, information on some areas in this system might be different from the actual location.

## Map Database Information and Updates



The map database is normally updated once a year. Contact your Lexus dealer for information about the availability and pricing of an update.



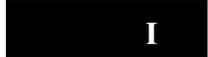
**DVD:** To determine which version of the database is currently in your vehicle, touch the “**DVD**” switch on the Menu screen. It displays the map database version.

### 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

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Route guidance availability



2002 by NAVTECH

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

## Map Database Information and Updates

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### Route guidance availability



2002 by NAVTECH

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

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## Map Database Information and Updates

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Route guidance availability



2002 by NAVTECH

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

## Map Database Information and Updates

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Route guidance availability



I

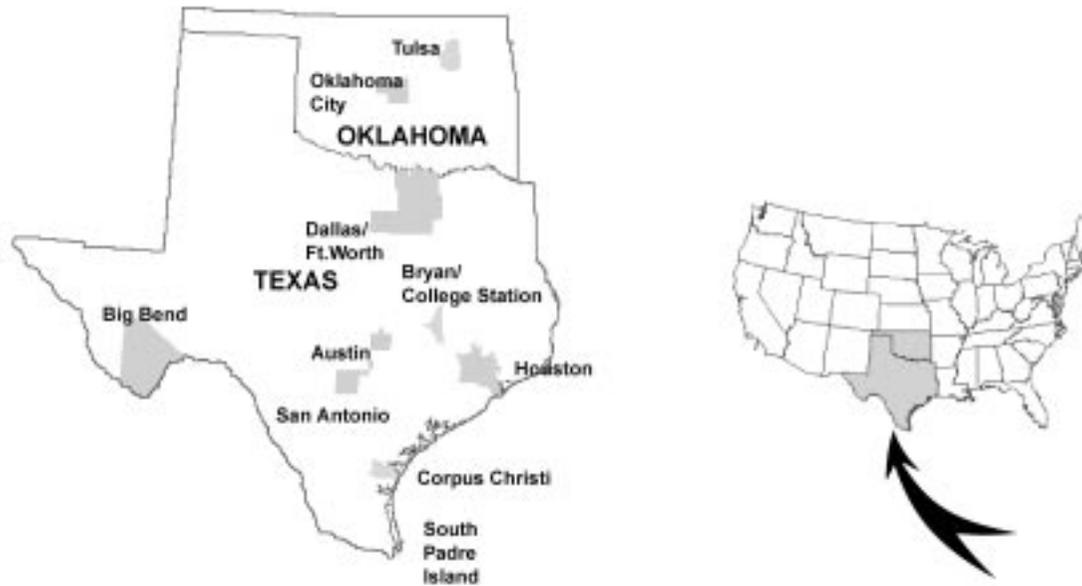
2002 by NAVTECH

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

## Map Database Information and Updates

---

### Route guidance availability



2002 by NAVTECH

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

## Map Database Information and Updates

---

Route guidance availability



2002 by NAVTECH

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

I

## Map Database Information and Updates

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Route guidance availability



2002 by NAVTECH

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

## Map Database Information and Updates

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Route guidance availability



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2002 by NAVTECH

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

## Map Database Information and Updates

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### Route guidance availability



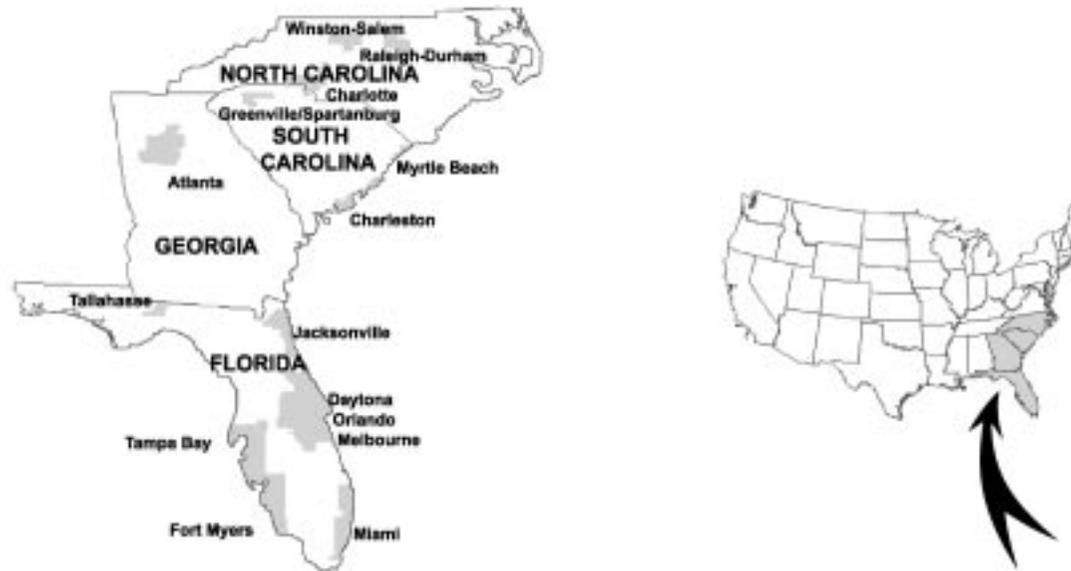
2002 by NAVTECH

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

## Map Database Information and Updates

---

Route guidance availability



2002 by NAVTECH

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

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## Map Database Information and Updates

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### Route guidance availability



2002 by NAVTECH

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

# ***SECTION II***

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## **ADVANCED FUNCTIONS**

**Descriptions of operations for more effective use**

Marked points ..... 70  
Area to avoid ..... 77  
Current position calibration ..... 80



## 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 pages 9 through 25.

## Marked Points

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



3. Touch your desired icon. You can turn the pages by touching the “Page 1” or “Page 2” switch. Touching the “With sound” switch, you can select your desired sound. (For details, see page 72.)

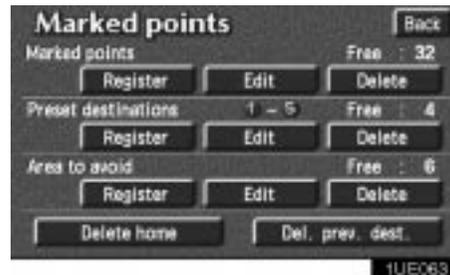
### **INFORMATION**

*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 points screen.

## Marked Points



Touch the item to edit.

### CHANGING THE ICON



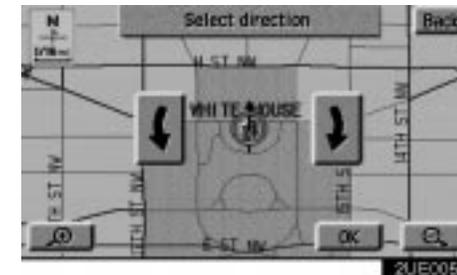
Touch your desired icon.

**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

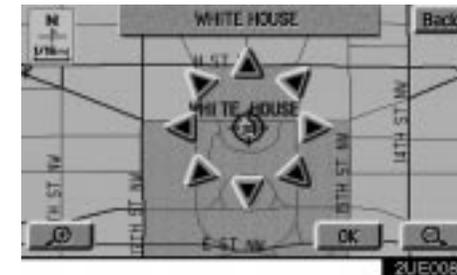


Touch numeral keys directly.

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.

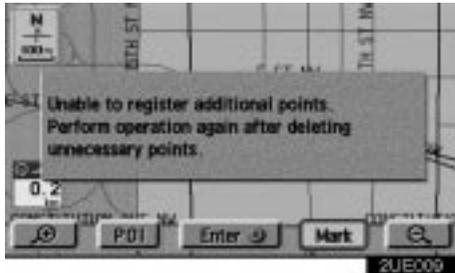
Touch the “OK” switch when the cursor  moves to your desired point.

The previous screen will return.

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

## Marked Points

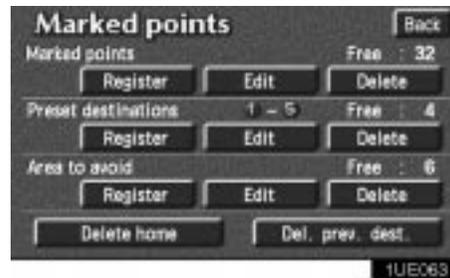
You can register up to 100 marked points. If you attempt to register more than 100, a message appears for confirmation.



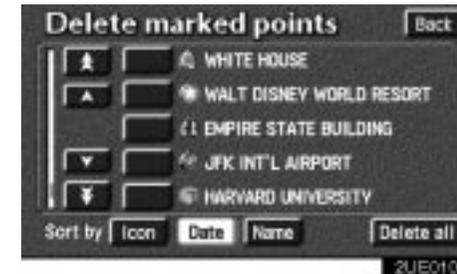
If you want to register a new point, delete one of the marked points. See "(c) Deleting marked points".

### (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.



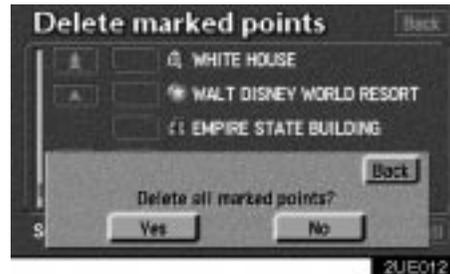
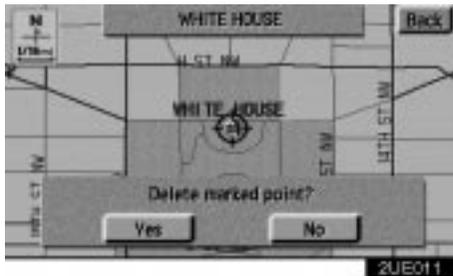
3. Touch  of the marked point to delete.

## Marked Points

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.

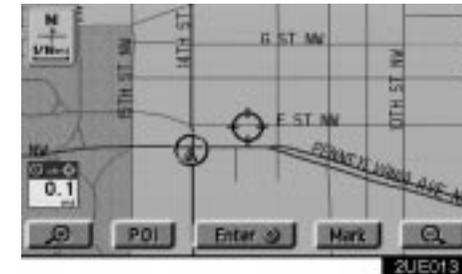
If you want to delete all of the marked points, touch the “Delete all” switch. The screen for confirmation will appear. Touching “Yes” will delete all of the marked points. Touching “No” or “Back” will return to the previous screen.

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

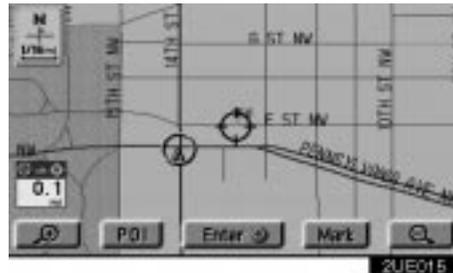


You can register your current position or any points (See “Screen Scrolling” on page 51.) from the Map screen by touching the “Mark” switch.

## Marked Points



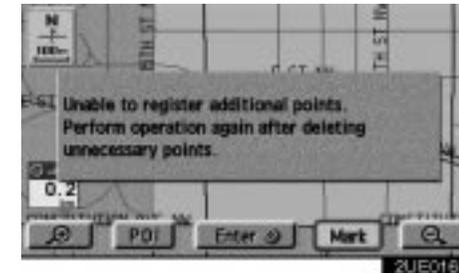
When you touch the **“Mark”** switch, the above screen appears for a few seconds, and then the Map screen returns.



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

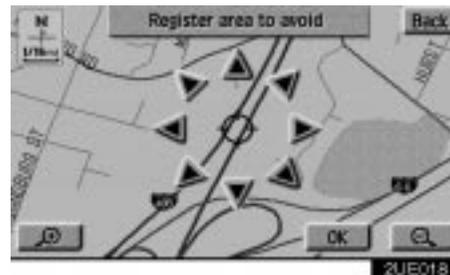
- Some areas and freeways may not be able to be set as an avoid point.
- If a destination is input in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to avoid may be shown.

### (a) Registering area to avoid

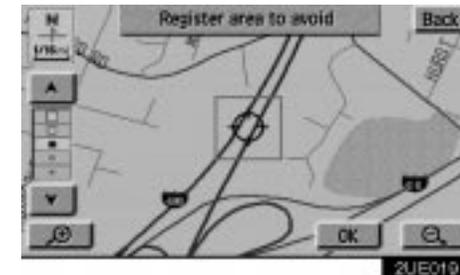
1. Touch the “Register” switch of Area to avoid.



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 pages 9 through 25.)



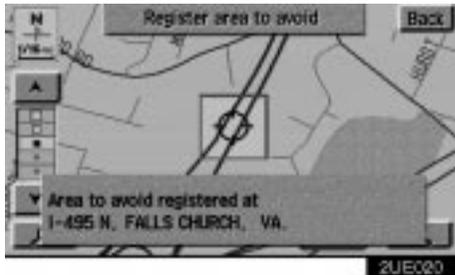
3. Touch the “OK” switch at the center of the area that you want to avoid.



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

## Area to Avoid

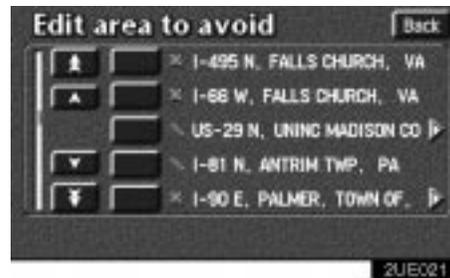
When you touch the “OK” switch, the following message appears.



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.



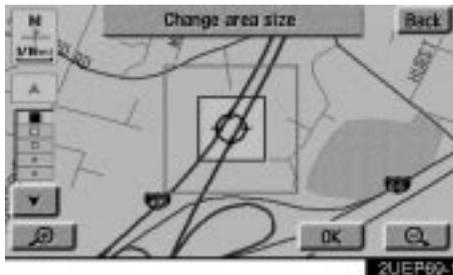
2. Touch the point you want to edit from the list.



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

## Area to Avoid

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



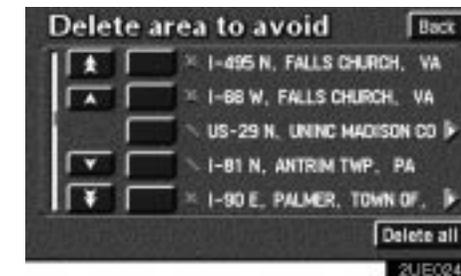
When editing is completed, touch the “OK” switch.

### 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 50.*

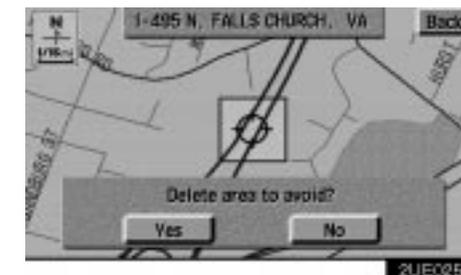
### (c) Deleting area to avoid

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

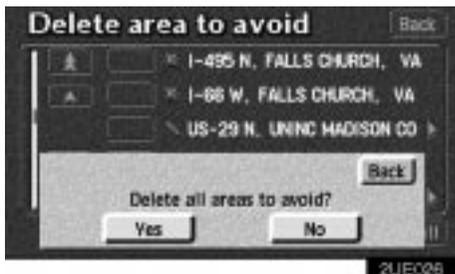


2. Select the area you want to delete.

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



## Area to Avoid



3. Either of the above messages appears.

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

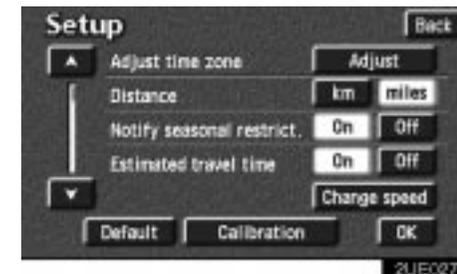
If you want to try again or cancel the deletion, touch the **“No”** switch. The previous screen will return.

## Current Position Calibration

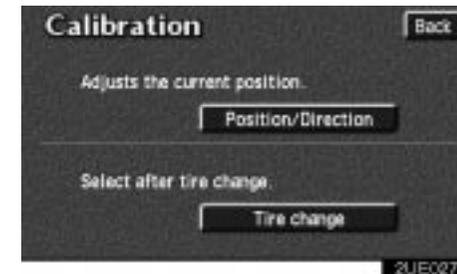
The current vehicle position mark will be automatically corrected during driving on reception of GPS signals. If your vehicle cannot receive GPS signals, you can correct the current position mark manually.



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



2. Touch the **“Calibration”** switch.



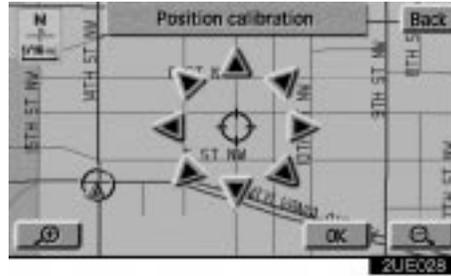
3. Touch the **“Position/Direction”** switch.

## Current Position Calibration

### INFORMATION

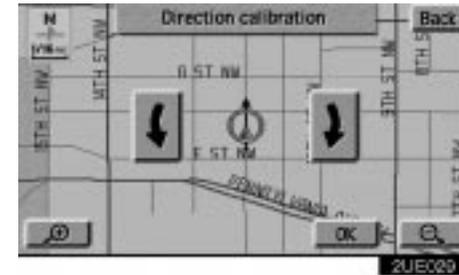
*For additional information on current position accuracy, see "Limitations of the Navigation System" on page 53.*

### 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.

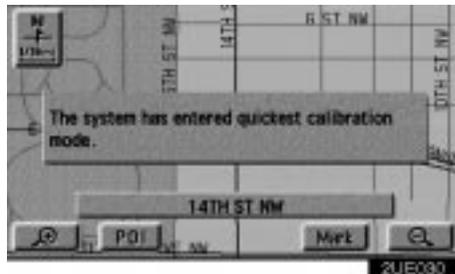
## Current Position Calibration

---

### 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 .....	84
Map color .....	85
Auto reroute .....	85
Estimated travel time .....	86
..	87
Distance indication .....	88
Notifying seasonal restriction .....	88
Voice guidance in all modes .....	89
Current street name .....	90
Maintenance information .....	90
Dealer setting .....	92
Calendar with memo .....	95



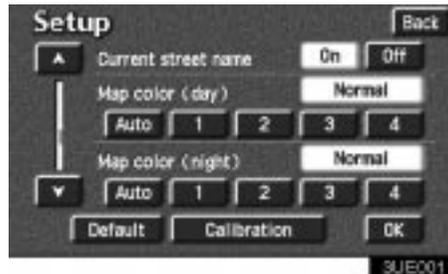
## Setup

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. 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.

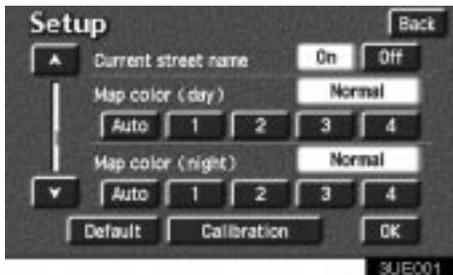
**Notify seasonal restrict:** You can select to notify or not to notify a seasonal restriction.

**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 to the Map screen.

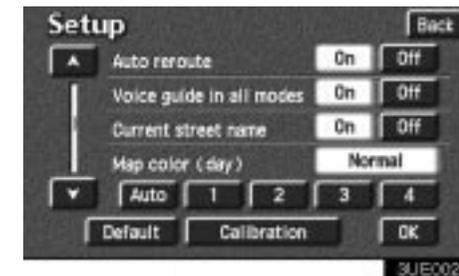
Touch the “Normal” switch to default the Map color.

Touch the “Auto” switch to select the Map color automatically. The Map color is changed in every three months.

## 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 “Setup” switch.



2. Touch the “On” switch of the “Auto reroute”. If you cannot 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.*

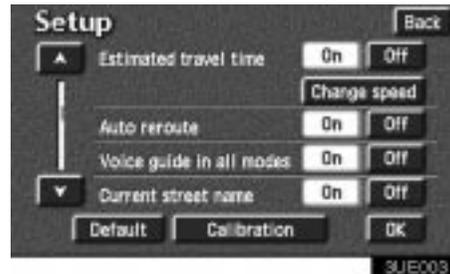
## Estimated Travel Time

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 **"Setup"** 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.



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.

## Estimated Travel Time

### 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.



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.

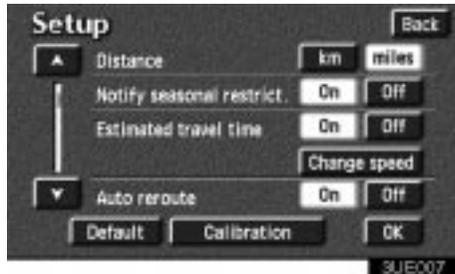
5. Touch the “OK” switch on the screen and the “Setup” screen returns.

## Distance Indication

1. Push the “MENU” button.



2. Touch the “Setup” switch.



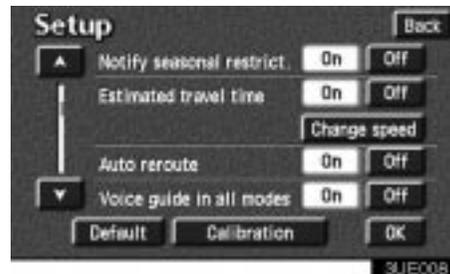
3. Touch “km” or “miles” to select your desired units.
4. Touch the “OK” switch.

## Notifying Seasonal Restriction

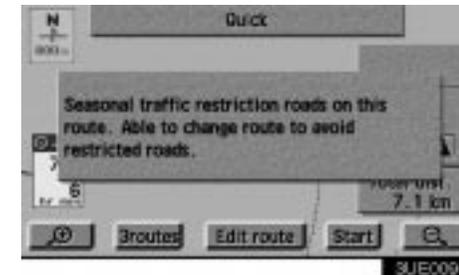
1. Push the “MENU” button.



2. Touch the “Setup” switch.



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



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

## 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”.

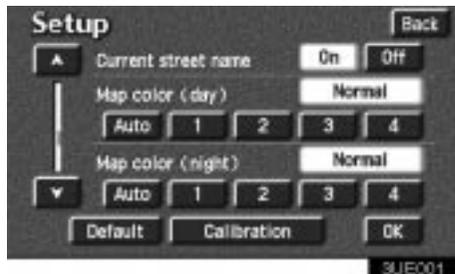


## Current Street Name

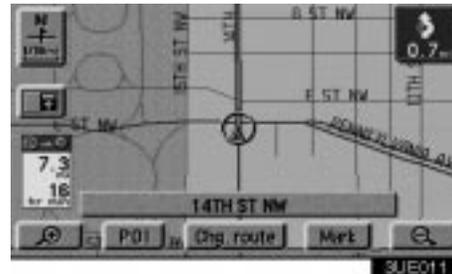
1. Push the “MENU” button.



2. Touch the “Setup” switch.

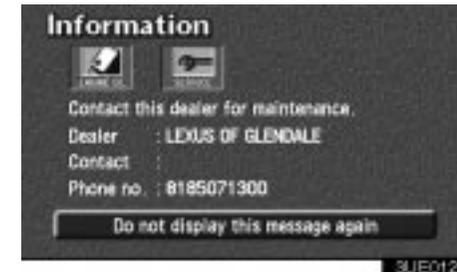


3. Touch the “On” switch on the right of Current street name.



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 92.) 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.

## Maintenance Information



1. Push the “INFO” button to display the Information Menu screen.
2. Touch the “Maintenance” switch to display the Maintenance screen.
3. 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 the 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

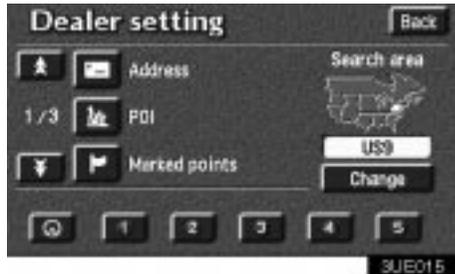
## Dealer Setting



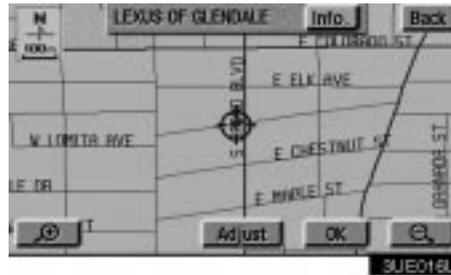
You can register your dealer's name and address. Touch the "Set dealer" switch on the Maintenance screen.

## Dealer Setting

### (a) Registering dealer



1. Enter your dealer's location address in the same way as you input any destination. (See pages 9 through 25.)



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 "(a) Entering destination" on page 25.)

### (b) Editing dealer



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

## Dealer Setting

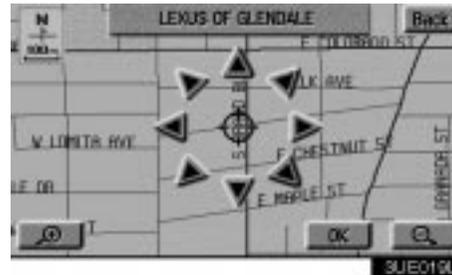
### EDITING THE NAME OF THE DEALER OR STAFF IN CHARGE



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

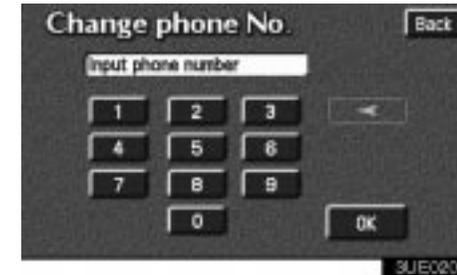


Touch the arrows to scroll to your desired point on the Map screen.

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.

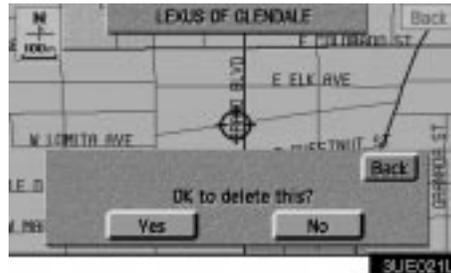
After you finish any editing, touch the “Back” switch.

## Dealer Setting

### (c) Deleting dealer

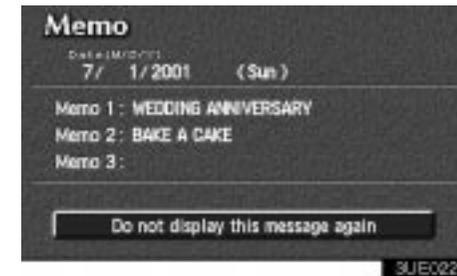


1. Touch the “Set dealer” switch and touch the “Delete dealer” switch.



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.

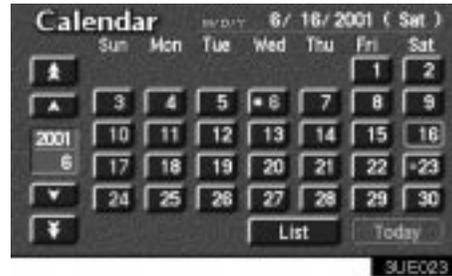
## Calendar with Memo



Push the “INFO” button to display the “Information Menu” screen. Touch the “Calendar” switch 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.

## 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.

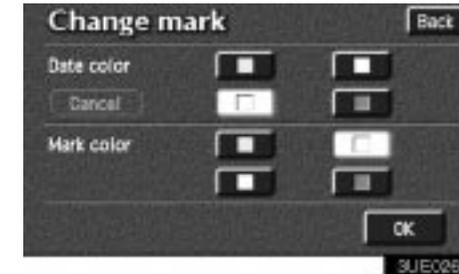
You can input a memo until December 31, 2020.



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

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### (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 96 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 96 for the details.)

## Calendar with Memo

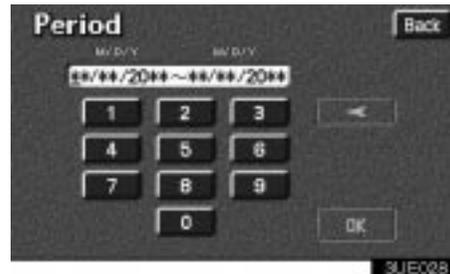
### (e) Memo list



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.



## Calendar with Memo

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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 screen. To remove, touch the “**Yes**” switch. If not, touch the “**No**” switch.



**To edit:** Touch the “**Edit**” switch. (See page 98 for editing a memo.)

**To delete:** Touch the “**Delete**” switch. (See page 98 for deleting a memo.)

# **SECTION IV**

---

## **OTHER FUNCTIONS**

Clock adjustment .....	102
Trip information .....	103
Screen transition .....	105
Screen adjustment .....	105
Outside temperature display .....	107
Rear seat entertainment system .....	108



## Clock Adjustment



The clock can be corrected manually or by using signals from the GPS. Daylight Saving Time setting or your desired time setting is available.



Push the "CLOCK" button.



**Auto Adjust:** Before you use the auto adjust function, select the time zone (see "Time Zone" described below). When you touch the "ON" switch, the time is automatically adjusted by the GPS clock. When you touch the "OFF" switch, you can adjust the clock manually with "H", "M" and ":00" switches.

**H:** To set the hour with "Auto Adjust OFF", touch this switch.

**M:** To set the minute with "Auto Adjust OFF", touch this switch.

**:00:** To adjust the time to the nearest hour, touch this switch.

**Daylight Saving Time:** Daylight saving time can be set or canceled.

**Time Zone:** You can select the time zone. When you touch this switch, the display will be change to the time zone selection screen. The initial setting is "Eastern Standard Time".

## Clock Adjustment



For vehicle sold in U.S.A.



For vehicle sold in Canada

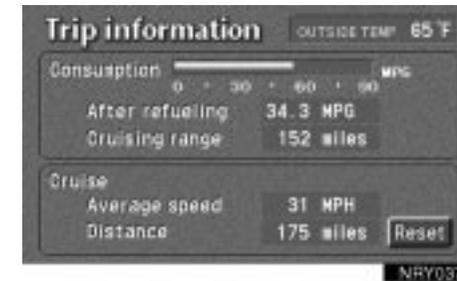
Touch the switch of your desired area. The time zone for the area is set and the previous screen returns.

## Trip Information

Trip information such as driving distance, average vehicle speed, fuel consumption, etc. can be displayed on the screen.



Push the “INFO” button to display the “Information Menu” and touch the “Trip Information” switch.



“OUTSIDE TEMP”

The display indicates the outside air temperatures.

“Consumption”

The instantaneous fuel consumption is calculated and displayed based on distance and fuel consumption with the engine running.

The displayed value is updated every 1 second.

Note that an accurate figure may not be shown in the following cases.

- When the vehicle is stopped with the engine running, the display will indicate the extremely high fuel consumption.

## Trip Information

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- When the vehicle is driving down a long slope, applying the engine brake, the display will indicate the extremely low fuel consumption.

The calculation is reset when the ignition switch is turned off.

### “After refueling”

The average fuel consumption is calculated and displayed based on total driving distance and total fuel consumption with the engine running.

The displayed value is updated every 10 seconds.

Every time you refuel the vehicle, the calculation is reset. When refueling, be sure to stop your vehicle and turn the ignition switch off.

### “Cruising range”

The distance the vehicle can travel with the remaining fuel is calculated and displayed based on the quantity of remaining fuel and past fuel consumption.

The driving range display indicates the approximate distance that you can drive until the fuel gauge reaches “E”. It is different from the actual distance traveled.

The displayed value is updated every time the fuel equivalent for 1 mile or 1 km is consumed.

Every time you refuel the vehicle, the calculation is reset. When refueling, be sure to stop your vehicle and turn the ignition switch off.

The actual driving range varies with driving habits and road conditions. If fuel consumption is good, the driving range will be longer. If fuel consumption is poor, the driving range will be shorter.

If the low fuel level warning light comes on, refuel even if the display indicates that the vehicle can be driven further.

### “Average speed”

The average speed is calculated and displayed based on the total driving distance and the total driving time with the engine running.

The displayed value is updated every 10 seconds.

To reset the calculation, touch the “Reset” switch.

### “Distance”

The distance after refueling is calculated and displayed based on the total distance after refuel.

Every time you refuel the vehicle, the calculation is reset. When refueling, be sure to stop your vehicle and turn the ignition switch off.

To reset the calculation, touch the “Reset” switch.

## Screen Transition

The function returning to the previous screen from air conditioner screen is selectable.

1. Push the **“INFO”** button to display the **“Information Menu”** screen.
2. Touch **“Screen Transition”**.



3. Select the **“ON”** or **“OFF”** and then touch the **“OK”**.

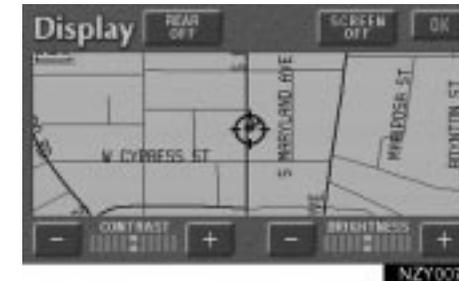
**ON:** The previous screen automatically returns from the air conditioner screen 20 seconds after the end of air conditioner screen operation.

**OFF:** The air conditioner screen remains on.

## 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 to display the Display screen.



### 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.

**After adjusting the screen, touch the “OK” switch.**

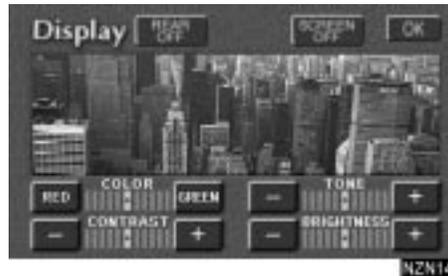
With rear seat entertainment system - The rear screen turns off when you touch **“REAR OFF”**.

The screen turns off when you touch **“SCREEN OFF”**. To turn the screen back on, push any button such as **“INFO”**, etc. The selected screen appears.

## Screen Adjustment

### **INFORMATION**

*When you do not touch any switch on the screen for 6 seconds the "Display" screen goes off.*



### **Color and tone adjustment (with rear seat entertainment system)**

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

#### **COLOR "RED":**

Strengthens the red color of the screen.

#### **COLOR "GREEN":**

Strengthens the green color of the screen.

**TONE "+":** Strengthens the tone of the screen.

**TONE "-":** Weakens the tone of the screen.

**After adjusting the screen, touch the "OK" switch.**

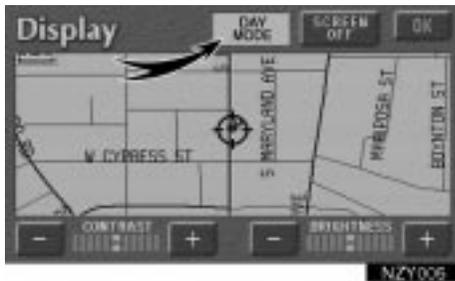
The rear screen turns off when you touch **"REAR OFF"**.

The screen turns off when you touch **"SCREEN OFF"**. To turn the screen back on, push any button such as **"INFO"**, etc. The selected screen appears.

### **INFORMATION**

*When you do not touch any switch on the screen for 6 seconds the "Display" screen goes off.*

## Screen Adjustment



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

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

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.

## Outside Temperature Display



The outside temperature is shown ranging from  $-30^{\circ}\text{C}$  ( $-22^{\circ}\text{F}$ ) up to  $50^{\circ}\text{C}$  ( $122^{\circ}\text{F}$ ) on the Trip information or air conditioning screen.

## Rear Seat Entertainment System (Front display)

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DVD video, DVD audio and video CD can be operated by touching the switch on the front display if your vehicle is equipped with the rear seat entertainment system.

For details of "Rear seat entertainment system", refer to "*Owner's Manual*".

### DVD player operation

**The DVD player can play audio CDs, DVD video discs, CD texts, dts-CDs, DVD audio discs and video CDs.**

For appropriate discs for this player, see "Caring for your DVD player and discs" on page 124.

For safety reasons, you can enjoy DVD video discs, DVD audio discs and video CDs only when the vehicle is completely stopped with the ignition switch in the "ACC" or "ON" position and the parking brake applied. While you are driving, you can hear audio alone even in the DVD video discs, DVD audio discs or video CD mode.

When you set discs into the player, make sure they face the correct way. If not, "DISC CHECK" will appear on the screen.

For the audio CDs, CD texts and dts-CDs instructions, please refer to the "*Owner's Manual*".

### **NOTICE**

***Never try to disassemble or oil any part of the DVD player. Do not insert anything except an appropriate disc into the player.***

## Rear Seat Entertainment System (Front display)

(a) Inserting the disc



Insert the disc into the slot with the label side up.

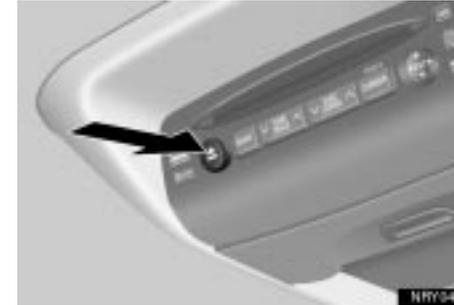


“DISC” indicator light turns on while the disc is loaded.

If the label faces forward, the disc cannot be played. In this case, “DISC CHECK” appears on the screen.

If a disc which is not playable is inserted, “DISC CHECK” will also appear on the screen. For appropriate discs for this player, see “Caring for your DVD player and discs” on page 124.

(b) Ejecting a disc



Push the “▲” button.

### NOTICE

*Never try to disassemble or oil any part of the DVD player. Do not insert anything other than a disc into the slot.*

## Rear Seat Entertainment System (Front display)

---

### (c) Playing a disc



Push the “DISC” button if a disc is already loaded in the player.

Push the “DISC” button again when the playback screen is not displayed on the front display even if the “DISC” button is pushed.

Push the button such as “MAP/VOICE” around the front display or push the mode selection button such as “AM” or “FM” of the front audio unit when you return to the navigation screen.

### (d) Operating a DVD disc

**NOTE:** The playback condition of some DVD discs may be determined by a DVD software producer. This DVD player plays a disc as the software producer intended. So some functions may not work properly. Be sure to read the instruction manual for the DVD disc separately provided. For the detailed information about DVD video discs, see “(g) DVD player and DVD video disc information”.

### Precautions on DVD disc

When recording with a DVD video, DVD audio or video CD, audio tracks may not record in some cases while the menu is displayed. As audio will not play in this case, verify that the video tracks are playing and then activate playback.

When playback of a disc is completed:

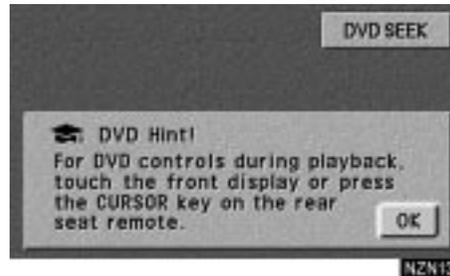
- If an audio CD is playing, the first track starts.
- If a DVD video, DVD audio or video CD is playing, playback will stop or the menu screen will be displayed.

The title/chapter number and playback time display may not appear while playing back certain DVD video discs.

## Rear Seat Entertainment System (Front display)

### CAUTION

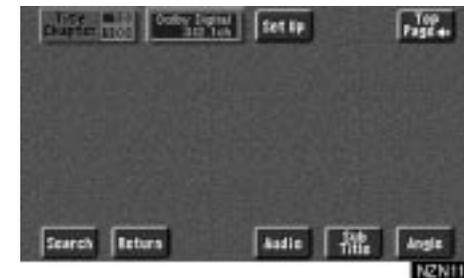
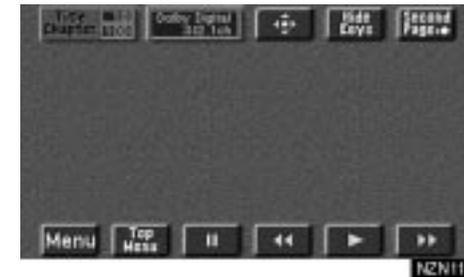
Conversational speech on some DVDs is recorded at a low volume to emphasize the impact of sound effects. If you adjust the volume assuming that the conversations represent the maximum volume level that the DVD will play, you may be startled by louder sound effects or when you change to a different audio source. The louder sounds may have a significant impact on the human body or pose a driving hazard. Keep this in mind when you adjust the volume.



This “DVD Hint!” screen appears when the video screen is first displayed after you turn the ignition key to “ACC” or “ON”.

Touch “OK” when you read the message.

### (i) Displaying DVD controls



DVD video

## Rear Seat Entertainment System (Front display)

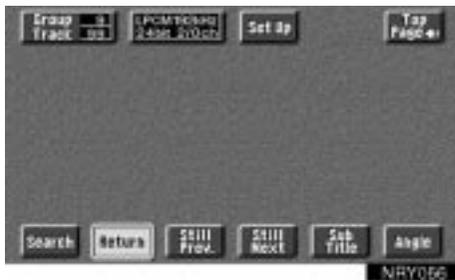


“**Second Page**”: Touching this will display on the second page of DVD controls.

“**Top Page**”: Touching this will display the top page of DVD controls.

“**Hide Keys**”: Touching this will turn off the controls from the screen.

If “” appears on the screen when you touch a control, the operation relevant to the control is not permitted.



### DVD audio

If you touch a part of the screen, where controls are not located while you are watching video, DVD controls will appear.

### (ii) Description of DVD controls

#### • Top page of DVD video controls

“**Menu**” and “**Top Menu**”: If you touch either of the above controls, the menu screen for the DVD video appears. (For operation, refer to the DVD video disc manual that is provided separately.)

“” : The menu control key appears on the screen. (See page 113.)

“” : Touching this will pause the video screen. When you touch this again, the video screen advances frame by frame.

“” : Touching this will fast reverse during playback and reverse slowly during pause.

“” : Touching this will resume normal play after stop or pause.

“” : Touching this will fast forward during playback and forward slowly during pause.

#### • Second page of DVD video controls

“**Set Up**”: The initial set up screen appears. (See page 116.)

“**Search**”: The title search screen appears. (See page 114.)

## Rear Seat Entertainment System (Front display)

“**Return**”: Touching this will display the pre-determined scene and start playing from there.

“**Audio**”: The audio changing screen appears. (See page 115.)

“**Sub Title**”: The subtitle changing screen appears. (See page 115.)

“**Angle**”: The angle selection screen appears. (See page 116.)

### • Top page of DVD audio controls

“**Top Menu**”: If you touch this switch, the menu screen for DVD audio appears. (For operation, refer to the DVD audio disc manual that is provided separately.)

“**Audio**”: The audio changing screen appears. (See page 116.)

“**⇄**”: The menu control key appears on the screen. (See page 113.)

“**⏸**”: Touch this switch to pause the disc.

“**◀◀**”: Touching this will fast reverse.

“**▶**”: Touching this will resume normal play after stop or pause.

“**▶▶**”: Touching this will fast forward.

### • Second page of DVD audio controls

“**Set Up**”: The initial set up screen appears. (See page 116.)

“**Search**”: The group search screen appears. (See page 114.)

“**Return**”: Touching this will display the pre-determined scene and start playing from there.

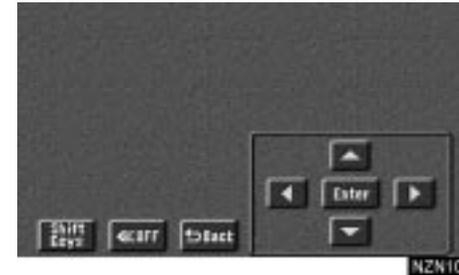
“**Still Prev.**”: Touch this switch to reverse the still pictures. (See page 115.)

“**Still Next**”: Touch this switch to forward the still pictures. (See page 115.)

“**Sub Title**”: The subtitle changing screen appears. (See page 115.)

“**Angle**”: The angle selection screen appears. (See page 116.)

### (iii) Selecting a menu item



Enter the menu item using “▲”, “▶”, “▼” and “◀” switches and touch “Enter”. The player starts playing the disc for that menu item. (For details, see the manual that comes with the DVD disc provided separately.)

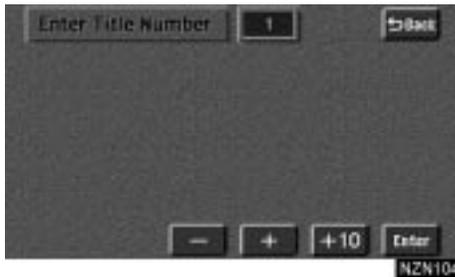
Each time you touch “Shift Keys”, the controls on the screen move upward and downward.

When you touch “<<<OFF”, the controls will disappear. To display them again, touch “ON” switch.

When you touch “Back”, the previous screen returns.

## Rear Seat Entertainment System (Front display)

### (iv) Searching by title or group

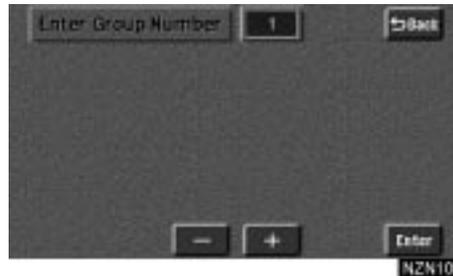


#### DVD video

Enter the title number using “-”, “+” and “+10” and touch “Enter”. The player starts playing video for that title number.

You can select a chapter by pushing “^” or “v” on the “TRACK” button of the front audio unit.

When you touch “Back”, the previous screen returns.



#### DVD audio

Enter the group number by using the “-” and “+” switches. The selected group number will appear on the screen. Push the “Enter” switch. The player starts playing the disc from the entered group number.

You can select a track by pushing “^” or “v” on the “TRACK” button of the front audio unit.

When you touch “Back”, the previous screen returns.

### (v) Selecting the bonus group



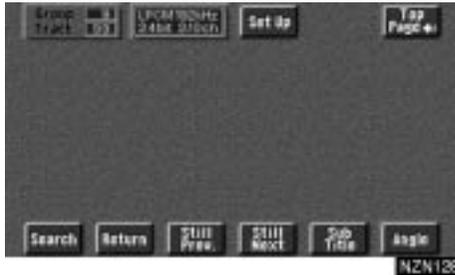
#### DVD audio only -

Enter the bonus group number on the searching group screen and push the “Enter” switch. The “Enter Key Code” screen will appear. To enter the number of the group you want to play, push the group number. If you enter the wrong number, push the “Clear” switch to delete the number.

Push the “Enter” switch on the screen. The player starts playing the disc from the selected bonus group number.

## Rear Seat Entertainment System (Front display)

(vi) Changing the still picture



DVD audio only -

Push the "Still Prev." or "Still Next" switch on the screen to forward or reverse the still pictures.

(vii) Changing the subtitle language



Each time you touch "Sub Title", the language is selected from the ones stored in the discs and changed.

To turn off the subtitle, touch "Hide".

When you touch "Back", the previous screen returns.

(viii) Changing the audio language



DVD video only -

Each time you touch "Audio", the language is selected from the ones stored in the discs and changed.

When you touch "Back", the previous screen returns.

## Rear Seat Entertainment System (Front display)

(ix) Changing the audio format



DVD audio only -

Each time you touch "Audio", another audio format stored on the disc is selected.

When you touch "Back", the previous screen returns.

(x) Changing the angle



The angle can be selected for discs that are multi-angle compatible when the angle mark appears on the screen.

Each time you touch "Angle", the angle changes.

When you touch "Back", and the previous screen returns.

(xi) Setup menu



Setup Menu 1 screen



Setup Menu 2 screen

There are initial setting switches on the "Setup Menu 1" screen and "Setup Menu 2" screen.

## Rear Seat Entertainment System (Front display)

---

To change the screen, push the “Top Page” or “Second Page” switch on the screen.

After you change the initial setting, push the “Enter” switch. The initial setting switch will be turned off and return to the picture previously.

When the “Initial Setting” switch on “Setup Menu 2” is pushed, all menus are initialized.

**The initial setting can be changed.**

- **Audio language**

**You can change the audio language.**

1. Touch “Audio Lang.”
2. Touch the language you want to hear on the “Select Audio Lang.” screen.

If you cannot find the language you want to hear on this screen, touch “Others” and enter a language code. For the entry of language code, see the following “(xii) Entry of language code”.

- **Subtitle language**

**You can change the subtitle language.**

1. Touch “Subtitle Lang.”
2. Touch a language you want to read on the “Select Subtitle Lang.” screen.

If you cannot find the language you want to read on this screen, touch “Others” and enter a language code. For the entry of language code, see the following “(xii) Entry of language code”.

To return to the “Setup Menu 1” screen, push the “Back” switch.

- **DVD language**

- **You can change the language on the DVD video menu.**

1. Touch “DVD Language”.
2. Touch the language you want to read on the “Select DVD Language” screen.

If you cannot find the language you want to read on this screen, touch “Others” and enter a language code. For the entry of language code, see the following “(xii) Entry of language code”.

To return to the “Setup Menu 1” screen, push the “Back” switch.

- **Angle mark**

**The multi-angle mark can be turned on or off on the screen while the disc which is multi-angle compatible is being played.**

**Each time you touch “Angle Mark”, the angle mark on the screen turns on or off alternately.**

- **Parental**

**The level of viewer restrictions can be changed.**

1. Touch “Parental”.
2. Enter the 4-digit personal code on the “Enter personal code” screen.

If you enter the wrong numbers, touch “Clear” to delete the numbers.

10 touches of “Clear” will initialize the personal code.

To return to the “Setup Menu 1” screen, push the “Back” switch.

3. Touch a parental level (1—8) on the “Select Restriction Level”. Touch the “Back” switch to return to the “Setup Menu 1” screen.

**Each time you touch the “Display Mode” on the “Setup Menu 2” screen, the display mode is changed from wide mode to auto mode.**

## Rear Seat Entertainment System (Front display)

### (xii) Entry of language code



If you touch “Others” on the “Select Audio Lang.” screen, “Select Subtitle Lang.” screen or “Select DVD language” screen, you can select the language you want to hear or read by entering a language code.

1. Enter the 4-digit language code.

If you enter the wrong numbers, touch “Clear” to delete the numbers.

2. Touch “Enter”.

Code	Language
1001	Japanese
0514	English
0618	French
0405	German

0920	Italian
0519	Spanish
2608	Chinese
1412	Dutch
1620	Portuguese
1922	Swedish
1821	Russian
1115	Korean
0512	Greek
0101	Afar
0102	Abkhazian
0106	Afrikaans
0113	Amharic
0118	Arabic
0119	Assamese
0125	Aymara
0126	Azerbaijani
0201	Bashkir
0205	Byelorussian
0207	Bulgarian
0208	Bihari

0209	Bislama
0214	Bengali
0215	Tibetan
0218	Breton
0301	Catalan
0315	Corsican
0319	Czach
0325	Welsh
0401	Danish
0426	Bhutani
0515	Esperanto
0520	Estonian
0521	Basque
0601	Persian
0609	Finnish
0610	Fiji
0615	Faroese
0625	Frisian
0701	Irish
0704	Scots-Gaelic
0712	Galician

## Rear Seat Entertainment System (Front display)

0714	Guarani
0721	Gujarati
0801	Hausa
0809	Hindi
0818	Croatian
0821	Hungarian
0825	Armenian
0901	Interlingua
0905	Interlingue
0911	Inupiak
0914	Indonesian
0919	Icelandic
0923	Hebrew
1009	Yiddish
1023	Javanese
1101	Georgian
1111	Kazakh
1112	Greenlandic
1113	Cambodian
1114	Kannada
1119	Kashmiri

1121	Kurdish
1125	Kirghiz
1201	Latin
1214	Lingala
1215	Laothian
1220	Lithuanian
1222	Latvian
1307	Malagasy
1309	Maori
1311	Macedonian
1312	Malayalam
1314	Mongolian
1315	Moldavian
1318	Marathi
1319	Malay
1320	Maltese
1325	Burmese
1401	Nauru
1405	Nepali
1415	Norwegian
1503	Occitan

1513	(Afan)Oromo
1518	Oriya
1601	Panjabi
1612	Polish
1619	Pashto, Pushto
1721	Quechua
1813	Rhaeto-Romance
1814	Kirundi
1815	Romanian
1823	Kinyarwanda
1901	Sanskrit
1904	Sindhi
1907	Sangho
1908	Serbo-Croatian
1909	Sinhalese
1911	Slovak
1912	Slovenian
1913	Samoan
1914	Shona
1915	Somali
1917	Albanian

**IV**

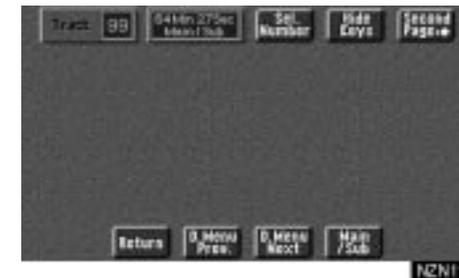
## Rear Seat Entertainment System (Front display)

1918	Serbian
1919	Siswati
1920	Sesotho
1921	Sundanese
1923	Swahili
2001	Tamil
2005	Telugu
2007	Tajik
2008	Thai
2009	Tigrinya
2011	Turkmen
2012	Tagalog
2014	Setswana
2015	Tonga
2018	Turkish
2019	Tsonga
2020	Tatar
2023	Twi
2111	Ukrainian
2118	Urdu
2126	Uzbek

2209	Vietnamese
2215	Volapük
2315	Wolof
2408	Xhosa
2515	Yoruba
2621	Zulu

### (e) Operating a video CD

#### (i) Displaying operation switches



If you touch the part where switches are not located while you are watching video on the video CD, video CD operation switches will appear.

**“Second Page” switch:** Use this switch to display the operation switches on the second page.

## Rear Seat Entertainment System (Front display)

---

**“Top Page” switch:** Use this switch to display the operation switches on the top page.

**“Hide Keys” switch:** Use this switch to turn off the operation switches from the display.

If “” appears on the display when you touch the switch, the operation is not permitted.

### (ii) Description of each switch

#### ● Switches on top page

**“Sel. Number” switch:** The track or number search screen appears. (See “Searching by track” on page 122.)

**“D. Menu Prev.” switch:** When you touch this switch while the disc menu is displayed, the previous page appears on the screen. If you touch this switch while the player is playing video, the previous track is searched and played.

**“D. Menu Next” switch:** When you touch this switch while the disc menu is displayed, the next page appears on the display. If you touch this switch while the player is playing video, the next track is searched and played.

**“Main/Sub” switch:** A multiplex transmission changing switch. The mode changes from Main/Sub to Main, to Sub and back to Main/Sub by touching this switch.

**“Return” switch:** Touching this will display the predetermined scene and start playing from there.

#### ● Switches on second page

**“” switch:** Use this switch to pause the video screen. When you touch this switch again, the video screen advance frame by frame.

**“” switch:** Touch this switch to fast reverse during playback.

**“” switch:** Touch this switch during pause to resume playing.

**“” switch:** Touch this switch to fast forward during the playback and start playing slowly during pause.

## Rear Seat Entertainment System (Front display)

---

### (iii) Searching by track



Enter the track numbers using “-”, “+”, and “+10” switches and touch “Enter”. The player starts playing video for that track number.

You can select a track by pushing “^” or “v” on the “TRACK” button of the front audio unit.

Touch “Back”, and the previous screen returns.

### (f) If the player malfunctions

If the player or another unit equipped with the player malfunction, your audio system will display one of the four following messages.

**If “DISC CHECK” appears on the display:** It indicates that the disc is dirty, damaged, or it was inserted upside down. Clean the disc or insert it correctly. If a disc which is not playable is inserted, “DISC CHECK” will also appear on the screen. For appropriate discs for this player, see “Caring for your DVD player and discs” on page 124.

**If “NO DISC” appears on the display:** It indicates that there is no disc in the DVD player.

**If “REGION CODE ERROR” appears on the display:** It indicates that the DVD region code is not set properly.

**If “DVD ERROR” appears on the display:** There is a problem inside the player. Eject the disc. Set the disc again.

**If the malfunction is not rectified:** Take your vehicle to your Lexus dealer.

### (g) DVD player and DVD video disc information

#### (i) DVD video discs

**This DVD player conforms to NTSC color TV formats. The DVD video disc conforming to another format such as PAL or SECAM cannot be used.**

**Region codes:** Some DVD video discs have a region code indicating a country where you can use the DVD video disc on this DVD player. If the DVD video disc is not labeled as “ALL” or “1”, you cannot use it on this DVD player. If you attempt to play an inappropriate DVD video disc on this player, “REGION CODE ERROR” appears on the screen. Even if the DVD video disc does not have a region code, there is a case that you cannot use it.

## Rear Seat Entertainment System (Front display)

### Marks shown on DVD video discs:

	Indicates NTSC format of color TV.
	Indicates the number of audio tracks.
	Indicates the number of language subtitles.
	Indicates the number of angles.
	Indicates the screen to be selected. Wide screen: 16:9 Standard: 4:3
	Indicates a region code by which this video disc can be played. ALL: in all countries Number: region code

### (ii) DVD video disc glossary

**DVD video discs:** Digital versatile Disc that holds video. DVD video discs have adopted "MPEG2", one of the world standards of digital compression technologies. The picture data is compressed by 1/40 on average and stored. Variable rate encoded technology in which the volume of data assigned to the picture is changed depending on the picture format has also been adopted. Audio data is stored using PCM and Dolby digital, which enables higher quality of sound. Furthermore, multi-angle and multi-language features will also help you enjoy the more advanced technology of DVD video.

**Viewer restrictions:** This feature limits what can be viewed in conformity with a level of restrictions of the country. The level of restrictions varies depending on the DVD video disc. Some DVD video discs cannot be played at all, or violent scenes are skipped or replaced with other scenes.

Level 1: DVD video discs for children can be played.

Level 2 - 7: DVD video discs for children and G-rated movie can be played.

Level 8: All types of the DVD video discs can be played.

**Multi-angle feature:** You can enjoy the same scene at different angles.

**Multi-language feature:** You can select a language of the subtitle and audio.

**Region codes:** The region codes are provided on DVD players and DVD discs. If the DVD video disc does not have the same region code as the DVD player, you cannot play the disc on the DVD player. For region codes, see page 122.

**Audio:** This DVD player can play linear PCM, Dolby digital and MPEG audio format DVD. Other decoded type cannot be played.

**Title and chapter:** Video and audio programs stored in DVD video disc are divided in parts by title and chapter.

**Title:** The largest unit of the video and audio programs stored on DVD video discs. Usually, one piece of movie, one album, or one audio program is assigned as a title.

**Chapter:** The unit smaller than that of title. A title comprises plural chapters.

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## Rear Seat Entertainment System (Front display)

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“DTS” is a trademark of Digital Theater Systems, Inc.

### Caring for your DVD player and discs

- Extremely high temperatures can keep your DVD player from working. On hot days, use the air conditioning to cool the vehicle interior before you use the player.
- Bumpy roads or other vibrations may make your DVD player skip.
- If moisture gets into your DVD player, the player may not play even though they appear to be working. Remove the disc from the player and wait until it dries.

#### CAUTION

DVD player uses an invisible laser beam which could cause hazardous radiation exposure if directed outside the unit. Be sure to operate the player correctly.

Audio CDs	  
DVD video discs	 
DVD audio discs	
Video CDs	 

- Use only discs marked as shown above. The products such as the following may not be playable on your DVD player.

## Rear Seat Entertainment System (Front display)

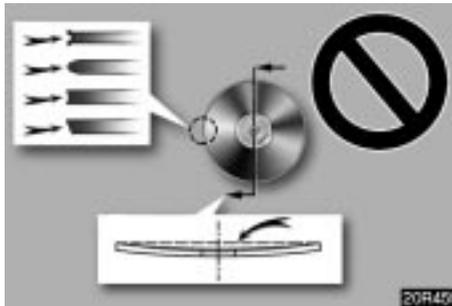
SACD  
Copy-protected CD  
CD-R(CD-Recordable)  
CD-R W(CD-Re-writable)  
CD-ROM  
DVD-R  
DVD+R  
DVD-R W  
DVD+RW  
DVD-ROM  
DVD-RAM



► *Special shaped discs*



► *Labeled discs*



► *Low quality discs*

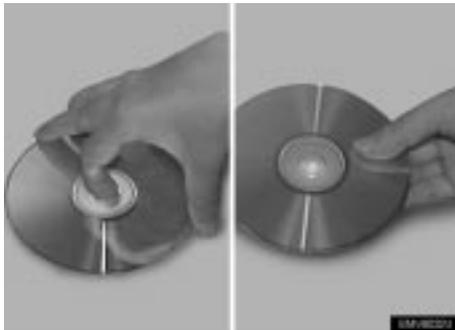
### **NOTICE**

*To prevent damage to the player, do not use special shaped, low quality or labeled discs such as those shown in the illustrations.*

**IV**

## Rear Seat Entertainment System (Front display)

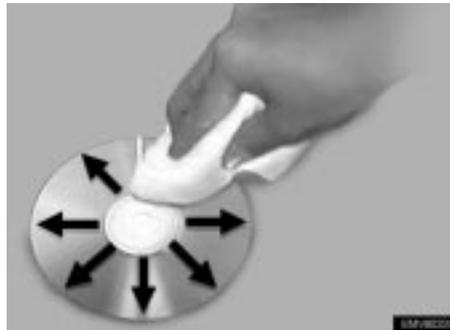
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► **Correct**

► **Wrong**

- Handle discs carefully, especially when you set them into the magazine. Hold them on the edge and do not bend them. Avoid getting fingerprints on them, particularly on the shiny side.
- Dirt, scrapes, warping, pin holes, or other disc damage could cause the player to skip or to repeat a section of a track. (To see a pin hole, hold the disc up to the light.)



**To clean a disc:** Wipe it with a soft, lint-free cloth that has been dampened with water. Wipe in a straight line from the center to the edge of the disc (not in a circle). Do not use a conventional record cleaner or anti-static device.

# **SECTION V**

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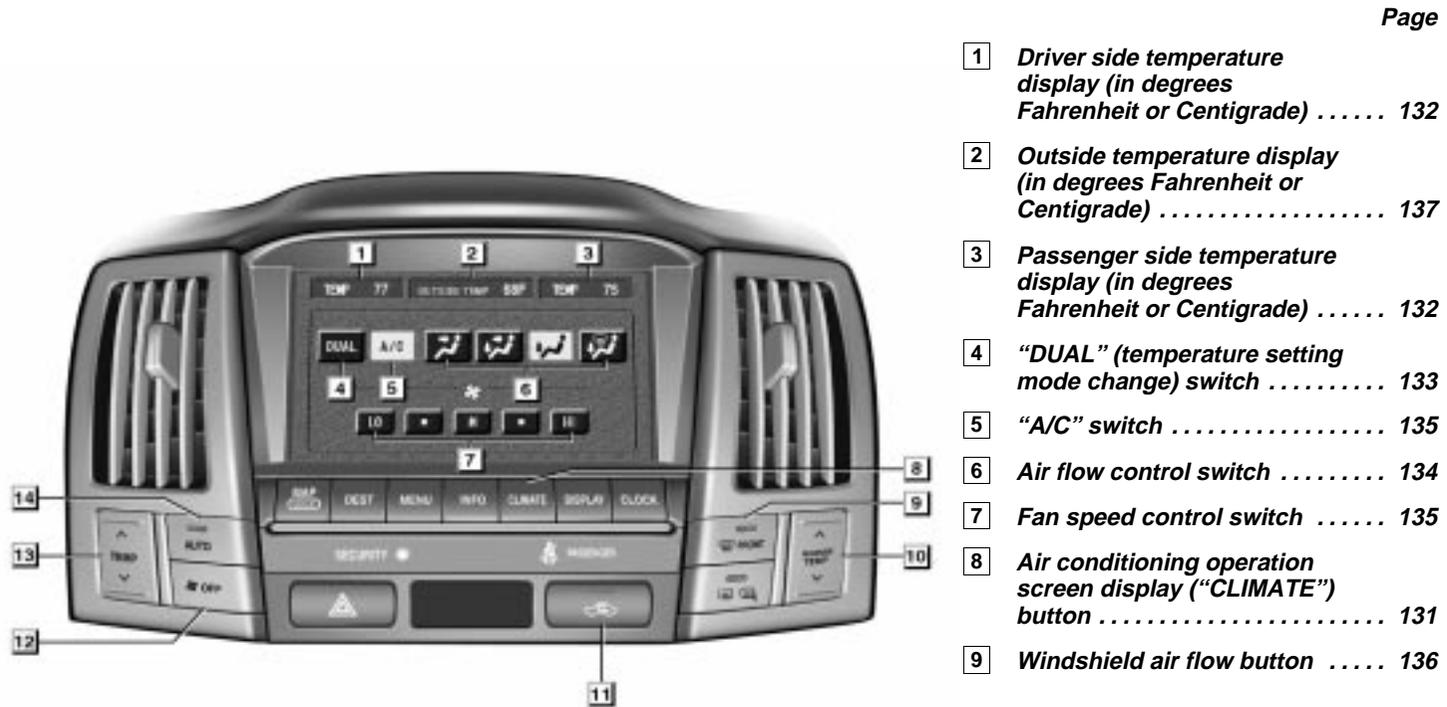
## **AIR CONDITIONING**

Automatic air conditioning controls ..... 128

*For information about the “Rear window defogger”, please refer to the “Owner’s Manual”.*



## Automatic Air Conditioning Controls



Page

- 1 *Driver side temperature display (in degrees Fahrenheit or Centigrade) . . . . . 132*
- 2 *Outside temperature display (in degrees Fahrenheit or Centigrade) . . . . . 137*
- 3 *Passenger side temperature display (in degrees Fahrenheit or Centigrade) . . . . . 132*
- 4 *“DUAL” (temperature setting mode change) switch . . . . . 133*
- 5 *“A/C” switch . . . . . 135*
- 6 *Air flow control switch . . . . . 134*
- 7 *Fan speed control switch . . . . . 135*
- 8 *Air conditioning operation screen display (“CLIMATE”) button . . . . . 131*
- 9 *Windshield air flow button . . . . . 136*

NRV006y

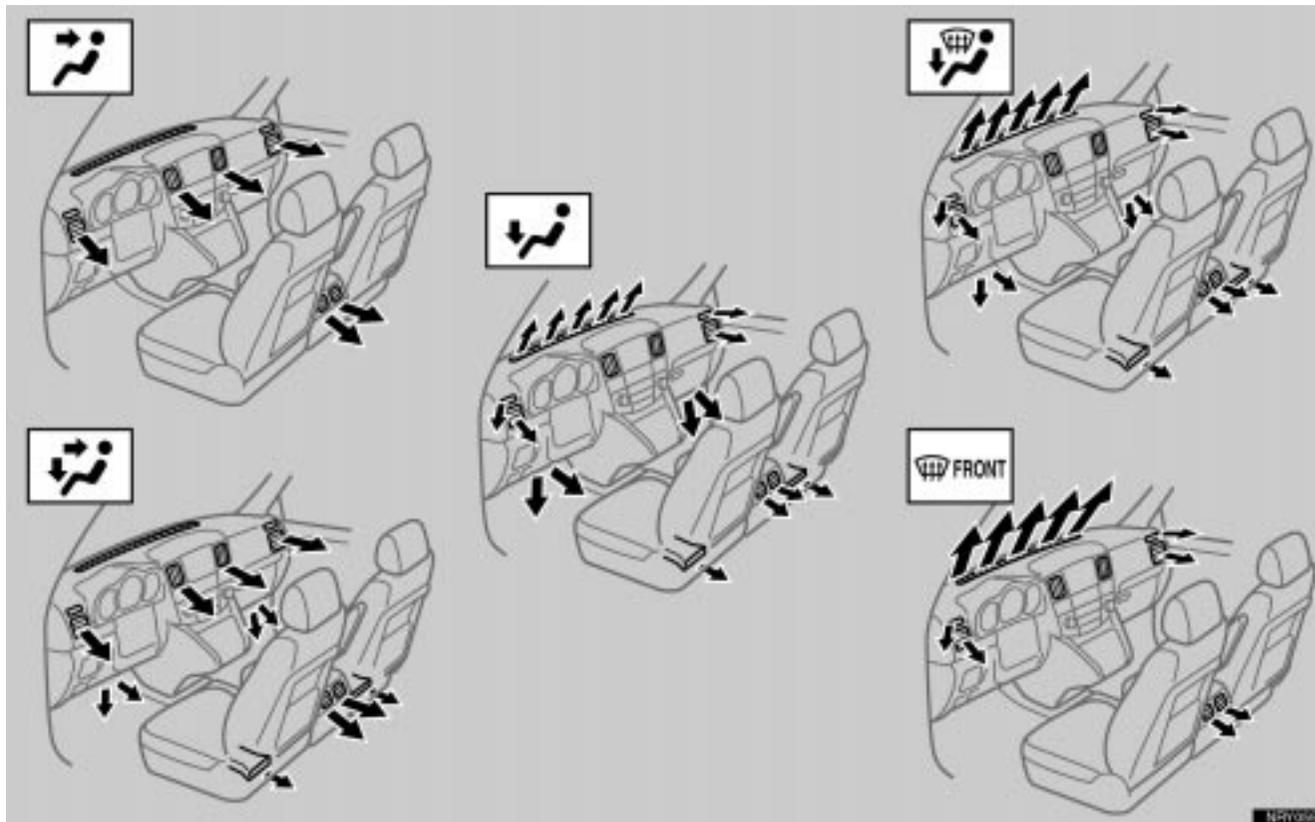
## Automatic Air Conditioning Controls

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- 10 **"PASSENGER TEMP"**  
*(passenger side temperature control) button*  
*(Only for the independent mode that display shows "DUAL"; mainly for front passenger and secondarily for driver) . . . . . 132*
- 11 **Air intake control button . . . . . 135**
- 12 **"OFF" button . . . . . 131**
- 13 **"TEMP" (driver side temperature control) button**  
*(At the independent mode that display shows "DUAL"; mainly for driver and secondarily for front passenger)*  
*(At the linked mode that display does not show "DUAL"; for driver) . . . . . 132*
- 14 **"AUTO" button . . . . . 131**



## Automatic Air Conditioning Controls



► Air flow selection

## Automatic Air Conditioning Controls

- ▶ **The automatic air conditioning automatically maintains the set temperature.**

In the automatic operation mode, the air conditioning selects the most suitable fan speed, air flow, air intake and on-off the air conditioning according to the temperature. The ignition key must be in the "ON" position.

**CLIMATE:** Push this button to display switches for automatic air conditioning controls.

### NOTICE

*To prevent the battery from being discharged, do not leave the air conditioning on longer than necessary when the engine is not running.*

### (a) Climate control

#### SETTING OPERATION - automatic control



#### 1. Push the "AUTO" button.

An indicator light will illuminate to show that the automatic operation mode has been selected.

Air flow quantity, switching of the diffusers, on-off of the air conditioning and switching of the air intake between RECIRCULATED AIR and OUTSIDE AIR are automatically adjusted. When you press the "AUTO" button with the air intake mode at OUTSIDE AIR, internal circulation may be applied for maximum cooling. The operation status is shown by each indicator and display.

When one of the manual control switches is depressed while operating in automatic mode, the operation corresponding to the depressed switch is set. Other conditions continue to be adjusted automatically.

Push the "OFF" button to turn the air conditioning system off.

## Automatic Air Conditioning Controls

### INFORMATION

- This automatic control has additional function as described below, when the "AUTO" button is pushed.

The fan speed is stopped for a little while until warm air preparation, when outside temperature is cold like a winter season in the "Floor", "Bi-level" or "Floor/Windshield" air flow mode. If quick removal for exterior frost, fog and inside fog on the windshield is desired, use the high fan speed setting after the "Windshield" air flow mode has been selected.

The fan speed is stopped few seconds until cool air preparation, when outside temperature is hot like a summer season in the "Panel" or "Bi-level" air flow mode.

- The internal circulation may be applied for maximum cooling in the automatic operation mode, when outside temperature is hot like a summer season.

If fresh outside air is desired into the vehicle, push the air intake control button to select the OUTSIDE AIR mode.

- The "Floor/Windshield" air flow mode may be applied automatically, if the outside temperature is lowered down to below 0° C (32° F).

This is not malfunction. The "Floor/Windshield" air flow mode turns on the defogging and defrosting function with the purpose of cleaning your front view for safe driving.

If the "Floor" air flow mode is desired with the main purpose of heating, "Floor" air flow mode can be selected manually by touching the air flow control switch.



2. Use the "TEMP" or "PASSENGER TEMP" button to set the desired vehicle interior temperature.

The "TEMP" or "PASSENGER TEMP" selector button is used to set the desired interior temperature. The interior temperature will be controlled on the driver and passenger side room zones simultaneously or individually.

To increase the interior temperature, press the "^" side, to decrease it, press the "v" side.

## Automatic Air Conditioning Controls

### If quick heating or cooling is desired -

“MAX. COLD” appears when you hold it until maximum cooling (decrease), and “MAX. HOT” appears when you hold it until maximum warming (increase).

“**TEMP**” button - Changes the temperature on the driver and passenger sides simultaneously or the driver side only.

“**PASSENGER TEMP**” button - Changes the temperature settings separate from the driver side.

### “**DUAL**” switch -

This switch is used to set the temperatures independently for the driver’s seat and front passenger seat.

Touching the switch changes the mode from independent and linked.

- **Independent mode:** Temperatures can be set independently for the driver’s seat and front passenger’s seat. The switch display light will come on to show that the independent mode has been selected. The indicator light will come on to show that the independent mode has been selected.

- **Linked mode:** The same temperature is set for the driver’s seat and front passenger’s seat. The switch display light will come off to show that the simultaneous temperature setting mode has been selected.

When the temperature for the front passenger’s seat is changed in linked mode, the mode is changed automatically to independent mode.

### INFORMATION

#### *Knowledge for the two-temperature selector operation*

*This air conditioning system has two independent temperature selectors: left and right (for the use of driver and front passenger respectively).*

- *There are cases where the temperature of the airflow may not accurately correlate on the driver and front passenger side according to circumstances, even if the left and right temperature selectors are set at the same temperature. If this situation occurs, use the fine tune operation to adjust the air temperature on one side.*

- *There are cases where one or both of the airflow temperatures may not accurately correlate with the set temperature according to circumstances, when the airflow temperature settings on the left and right are substantially different. For example, if the left controller is set at central or neutral temperature while the right one is set at maximum heating or maximum cooling, or vice versa. If this situation occurs, use the fine tune operation to adjust the air temperature on each side.*



## Automatic Air Conditioning Controls



- ➔ Driver side setting air flow
- ➔ Passenger side setting air flow
- ⇄ Mixed air flow

### SETTING OPERATION - manual control

When one of the manual control switches is depressed while operating in automatic mode, the operation corresponding to the depressed switch is set. Other conditions continue to be adjusted automatically.

If manual air flow selection is desired -



The outlets from which air is delivered can be selected manually by touching the switch. The function of each mode is as follows:

- 1 **Panel** - Air flows mainly from the instrument panel vents and rear vents.

- 2 **Bi-level** - Air flows from both the floor vents, instrument panel vents and rear vents.

When you set the temperature selector setting at about the middle in automatic operation, warm air flows out of the floor vents and relatively low - temperature air flows out of the instrument panel vents and rear vents.

- 3 **Floor** - Air flows mainly from the floor vents and rear vents.

- 4 **Floor/windshield** - Air flows mainly from the floor vents, windshield vents and rear vents.

Take in the fresh air with selecting the OUTSIDE AIR mode by the air intake control button.

The selected mode is highlighted in green.

## Automatic Air Conditioning Controls

If manual fan speed control is desired -



- ▶ **1** *Fan speed at low*
- 2** *Fan speed at high*

The fan speed can be set to your desired speed by touching the appropriate air flow control switch. The higher the fan speed is, the more air is delivered. Pushing the “OFF” button turns off the fan.

To remove the exterior windshield frost and interior windshield fog, use the high speed setting.

The selected mode is highlighted in green.

If manual switching of air intake is desired -



The air intake control button is used to switch the air intake between the OUTSIDE AIR mode and RECIRCULATED AIR mode.

With the button in the OUTSIDE AIR mode, the indicator light will turn off and the system will take fresh outside air into the vehicle.

If quick circulation of cooled air is desired, push the air intake control button for RECIRCULATED AIR. The indicator light will come on.

For normal use, it is best to keep the air intake control button set to the OUTSIDE AIR mode. If recirculated air is used during heating, the windows will fog up more easily.

To prevent fogging up of the windshield, the air intake mode may change automatically to the OUTSIDE AIR mode depending on the condition of the air conditioning system.

For example, when the ambient temperature is low, the air intake mode may change automatically to the OUTSIDE AIR mode. This is not a malfunction.

When the air conditioning is ON, if the engine coolant temperature becomes extremely high, the RECIRCULATED AIR mode is automatically selected. This is not a malfunction. When the engine coolant temperature is lowered, the previous mode resumes.

If manual on-off of the air conditioning is desired -

Touch the “A/C” switch to turn the air conditioning on and touch it again to turn the air conditioning off.

The air conditioning does not work if the outside temperature is lowered down to around 0°C (32°F).



## Automatic Air Conditioning Controls

If the system is used for ventilation, heating in dry weather or removing frost or exterior fog on the windshield, turn the air conditioning off once it is no longer required. This will improve fuel economy. The air conditioning can be used for year-round automatic temperature control including cooling and dehumidifying operation.

If the air conditioning compressor does not operate, the display light of the “A/C” switch will blink. If the display light of the “A/C” switch blinks even when the “A/C” switch is touched again, have the compressor checked by your nearest Lexus dealer.

If the engine coolant temperature becomes extremely high, the air conditioning may shut off automatically to resolve emergency situation for engine cooling. This is not a malfunction. When the engine coolant temperature is lowered, the air conditioning comes on automatically.

### (b) Windshield defogging and defrosting



#### To remove interior fog on the windshield -

Push the windshield air flow button.

#### To remove frost or exterior fog on the windshield -

1. Push the “TEMP” button to set the maximum temperature.
2. Push the windshield air flow button.
3. Touch the fan speed control switch on the right side to obtain a maximum air flow.
4. Leave the “A/C” switch off.

When the windshield air flow button is pushed, air flows mainly from the windshield vents and turns on the defogging function with the purpose of clearing the front view.

Pushing this button once again returns the air flow mode to the last one used.

This button allows the air intake to select the OUTSIDE AIR mode automatically. This is to clean up the front view more quickly. If you want to return the setting to the RECIRCULATED AIR mode, push the air intake control button once again.

Touch the “A/C” switch for dehumidified heating or cooling. This setting clears the front view more quickly.

### CAUTION

**Do not use the windshield air flow button during cooled air operation in extremely humid weather. The difference between the temperature of the outside air and that of the windshield could cause the outer surface of the windshield to fog up blocking your vision.**

## Automatic Air Conditioning Controls

### (c) Outside temperature display



Outside temperature is displayed on the screen.

The displayed temperature ranges from -30 °C (-22°F) up to 50°C (122°F). If the temperature does not appear on the display or it shows “- -”, take your vehicle to your Lexus dealer.

### (d) Operating tips

- To cool off your Lexus after it has been parked in the hot sun, drive with the windows open for a few minutes. After the excess heat has blown away, close the windows. This vents the hot air, allowing the air conditioning to cool the interior more quickly.
- Make sure the air intake grilles in front of the windshield are not blocked (by leaves or snow, for example).
- If air flow control is not satisfactory, check the side vents and rear vents. (See “(e) Side vents and rear vents”.)
- On humid days, do not blow cold air on the windshield. The windshield could fog up because of the difference in air temperature on the inside and outside of the windshield.
- Keep the area under the front seats clear to allow air to circulate throughout the vehicle.
- On cold days, set the fan speed to high for a minute to help clear the intake ducts of snow or moisture. This can reduce the amount of fogging on the windows.
- When driving on dusty roads, close all windows. If dust thrown up by the vehicle is still drawn into the vehicle after closing the windows, it is recommended that the air intake control button be set to the OUTSIDE AIR mode to take in the fresh air and the fan speed selector to any setting except OFF.
- If following another vehicle on a dusty road, or driving in windy and dusty conditions, it is recommended that the air intake be temporarily set to the RECIRCULATED AIR mode, which will close off the outside passage and prevent outside air and dust from entering the vehicle interior.

## Automatic Air Conditioning Controls

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### Heating

For best results, set controls to:

For automatic operation -

**Push in the "AUTO" button.**  
**Temperature** - To the desired temperature  
**Air intake** - **OUTSIDE AIR**  
**Air conditioning** - **OFF**

For manual operation -

**Fan speed** - To the desired fan speed  
**Temperature** - Towards high temperature  
**Air intake** - **OUTSIDE AIR**  
**Air flow** - **FLOOR**  
**Air conditioning** - **OFF**

- For quick heating, select RECIRCULATED AIR for a few minutes. To keep the windows from fogging, select OUTSIDE AIR after the vehicle interior has been warmed.
- Touch the "A/C" switch on for dehumidified heating.
- Choose floor/windshield air flow to heat the vehicle interior while defrosting or defogging the windshield.

### Air conditioning

For best results, set controls to:

For automatic operation -

**Push in the "AUTO" button.**  
**Temperature** - To the desired temperature  
**Air intake** - **OUTSIDE AIR**  
**Air conditioning** - **ON**

For manual operation -

**Fan speed** - To the desired fan speed  
**Temperature** - Towards low temperature  
**Air intake** - **OUTSIDE AIR**  
**Air flow** - **PANEL**  
**Air conditioning** - **ON**

- For quick cooling, select RECIRCULATED AIR for a few minutes.

### Ventilation

For best results, set controls to:

For automatic operation -

**Push in the "AUTO" button.**  
**Temperature** - Towards low temperature  
**Air intake** - **OUTSIDE AIR**  
**Air conditioning** - **OFF**

For manual operation -

**Fan speed** - To the desired fan speed  
**Temperature** - Towards low temperature  
**Air intake** - **OUTSIDE AIR**  
**Air flow** - **PANEL**  
**Air conditioning** - **OFF**

### Defogging and defrosting

- **The inside of the windshield**

For best results, set controls to:

For automatic operation -

**Temperature** - Towards high temperature to heat;  
low temperature to cool  
**Air intake** - **OUTSIDE AIR**  
**Air flow** - **WINDSHIELD**

## Automatic Air Conditioning Controls

---

For manual operation -

**Fan speed** - To the desired fan speed  
**Temperature** - Towards high temperature to heat;  
low temperature to cool  
**Air intake - OUTSIDE AIR**  
**Air flow - WINDSHIELD**

When the windshield air flow button is pushed, air flows mainly from the windshield vents and turns on the defogging function with the purpose of clearing the front view.

Pushing this button once again returns the air flow mode to the last one used.

This button allows the air intake to select OUTSIDE AIR mode automatically. This is to clean up the front view more quickly. If you want to return the setting to RECIRCULATED AIR mode, push the air intake control button once again.

Touch the “**A/C**” switch for dehumidified heating or cooling. This setting clears the front view more quickly.

- On humid days, do not blow cold air on the windshield - the difference between the outside and inside temperatures could make the fogging worse.

### - The outside of the windshield

For best results, set controls to:

For automatic operation -

**Temperature** - Towards high temperature  
**Air intake - OUTSIDE AIR**  
**Air flow - WINDSHIELD**

For manual operation -

**Fan speed** - To the desired fan speed  
**Temperature** - Towards high temperature  
**Air intake - OUTSIDE AIR**  
**Air flow - WINDSHIELD**

When the windshield air flow button is pushed, air flows mainly from the windshield vents and turns on the defrosting function with the purpose of clearing the front view.

Pushing this button once again returns the air flow mode to the last one used.

This button allows the air intake to select OUTSIDE AIR mode automatically. This is to clean up the front view more quickly. If you want to return the setting to RECIRCULATED AIR mode, push the air intake control button once again.

Touch the “**A/C**” switch for dehumidified heating or cooling. This setting clears the front view more quickly.

- To heat the vehicle interior while defrosting the windshield, choose floor/windshield air flow.

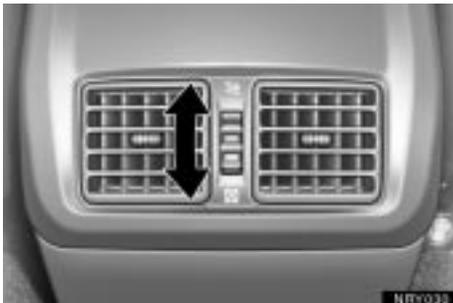


## Automatic Air Conditioning Controls

### (e) Side vents and rear vents



► *Side vents*



► *Rear vents*

If air flow control is not satisfactory, check the side vents and rear vents. The side vents and rear vents may be opened or closed as shown.

When outside temperature is cold like a winter season, air flow temperature from the side vents and rear vents may not be warmed up enough for a while until that the engine coolant temperature becomes high enough.

If air flow from the side vents and rear vents is not satisfactory, air flow direction can be changed manually by adjusting the vents fin direction or the vents may be closed.

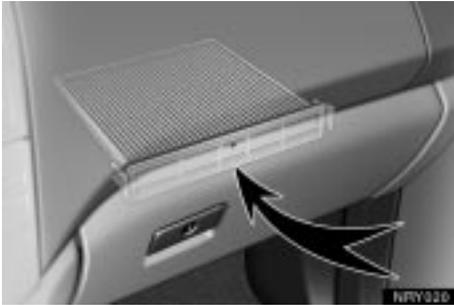
### (f) Checking and replacing the air conditioning filter



The air conditioning filter information label is placed in the glove box as shown and indicates that a filter has been installed.

The air conditioning filter prevents dust from entering the vehicle through the air conditioning vent.

## Automatic Air Conditioning Controls

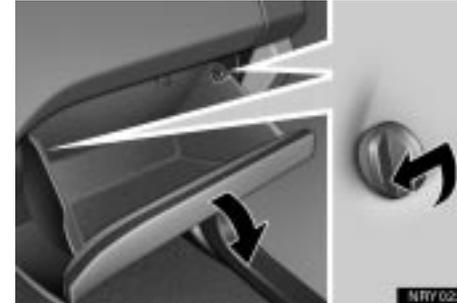


**The air conditioning filter is behind the glove box.**

The air conditioning filter may clog after long use. The filter may need to be replaced if the air flow of the air conditioner and heater experiences extreme reductions in operating efficiency, or if the windows become to fog up easily.

If the symptoms of air conditioning efficiency problems occur, contact your nearest Lexus dealer to have the filter checked and replaced.

To maintain the air conditioning efficiency, inspect and replace the air conditioning filter according to the maintenance schedule. In dusty areas or areas with heavy traffic flow, such as inner city or desert areas, early replacement may be required. (For scheduled maintenance information, please refer to the "Owner's Manual Supplement/Scheduled Maintenance".)



**1. Open the glove box. Remove the 2 pins installed on the upper part of the glove box and lower the glove box.**

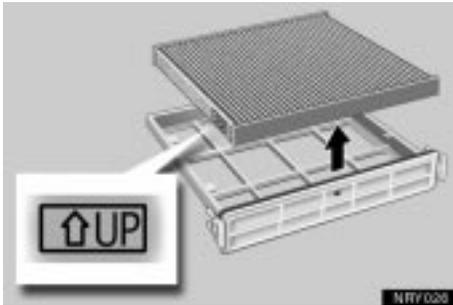


**2. Remove the filter case from the filter outlet as shown in the illustration.**



## Automatic Air Conditioning Controls

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**3. Remove the filter from the filter case.**

**4. Inspect the filter on the surface.**

If it is just moderately dusty, it may be cleaned by blowing compressed air from the reverse surface. Do not wash or oil the filter.

If it is dirty, it should be replaced.

**When installing the filter in the filter case, keep the arrow pointing up.**

### ***INFORMATION***

*The air conditioning filter should be installed properly in position. The use of air conditioning with the filter removed may cause deteriorated dust-proof performance and then affect air conditioning performance.*