

Foreword

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

The Toyota 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 points 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 50 through 51.

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Important information about this manual

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 vehicle and its equipment.

INFORMATION

This provides additional information.

Initial screen



When you start the engine or turn the ignition key to "ACC", the initial "TOYOTA" screen appears and the system begins operating.

 **CAUTION**

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

After a few seconds, the "CAUTION" screen appears.



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

If a screen other than for the navigation system is displayed (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 Instruction



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 an 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.

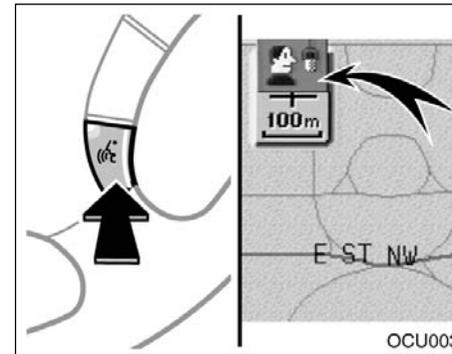
Overview of Touch Screen and Switches

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 the button, a beep sounds.

INFORMATION

- *If the system does not respond to a touch of a switch, move your finger away from the screen and then touch it again.*
- *You cannot operate dimmed switches.*
- *Wipe off fingerprints on the surface of the display using a glass cleaning cloth.*
- *The displayed image may become darker and moving images may be slightly distorted when the display is cold.*



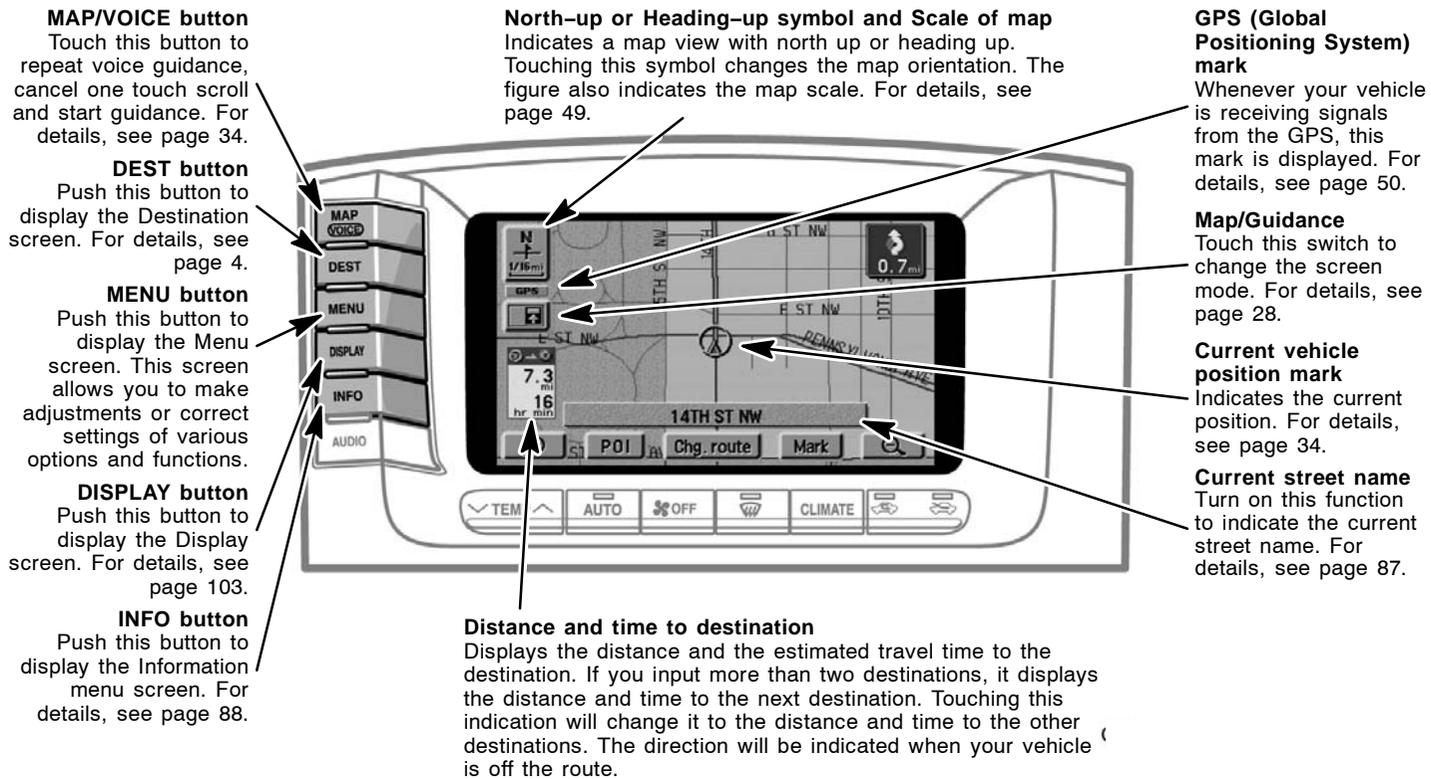
Speech command system



Some descriptions in this manual are marked with the above indicator. This means that this function can be activated using the speech command system.

For the operation of the speech command system and the command list, see page 98 and 151.

Symbols, Switches and Buttons





Changing the route guidance

When you touch this switch, the Change route screen will appear. For details, see page 29.



One-touch registration of marked point

Touch this switch to register the current vehicle position as a marked point. For details, see page 73.



Displaying of points of interest

Icons such as restaurants and hotels, etc. can be displayed on the screen. For details, see page 43.



Zoom in/Zoom out

These switches magnify or reduce the map scale. For details, see page 48.

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2003 Land Cruiser 100 Navigation (OM60A00U)

SECTION I

BASIC FUNCTIONS

Descriptions of basic operations in frequent use

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<i>Explains 11 ways to input your destination</i>	
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Inputting letters and number

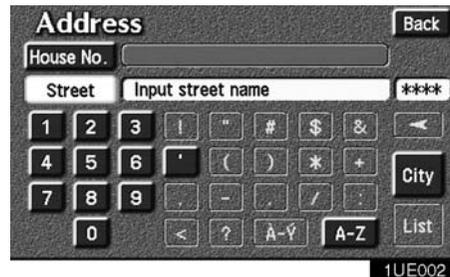
The navigation system operates by switches on the screen and the switches located on the front face around the screen. When you touch or push a switch, a beep sounds. When using the switches on the touch screen, please use only light pressure with your finger to protect the screen from damage. Do not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



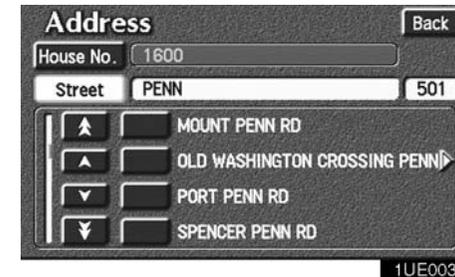
To type in an address etc., directly touch alphabet keys on the screen. If you touch a wrong letter, delete it using the  switch. Touching the  switch erases one letter.

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

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



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



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

 To shift to the next or previous page.

 To scroll up or down one item at a time.

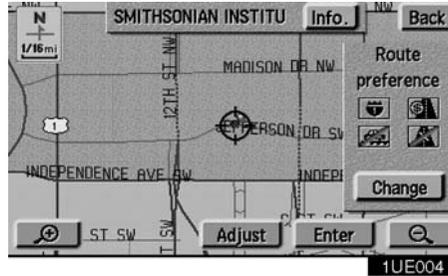
 This expresses a displayed screen position.



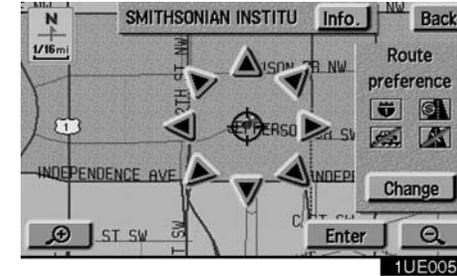
If ► appears on the right of the item name, the complete name is too long for the display. Touch ►, and the name will scroll to the end of the name.

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

How to move the cursor



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



► **Position locating screen on the map**

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

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

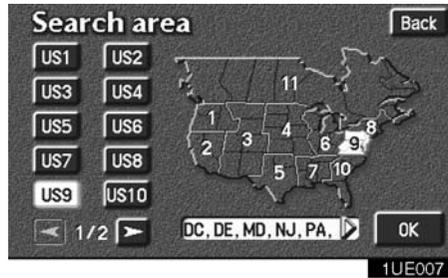
Destination input

Push the “**DEST**” switch 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.



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

You can find your destination using various methods. See page 7 through 22 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 (1 — 5 switches on the Destination screen): You can select one of 5 preset destinations directly. In this case, it is necessary to register the destinations beforehand. See page 7 for the detailed steps.

3. By Address: You can input the house number and the street address by using the input keys. See page 8 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 10 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 17 for the detailed steps.

6. By Previous destination: You can select a destination from any of the last 20 previously set destinations. See page 17 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 18 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 19 for the detailed steps.

9. By Freeway Entrance/Exit: You can enter the name of the freeway (interstate) entrance or exit. See page 20 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 21 for the detailed steps.

11. By Map selection: You can select a destination simply by touching the location on the displayed map. See page 22 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, it is necessary to change the search area.*

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.

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 37.

Destination input by PRESET DESTINATION



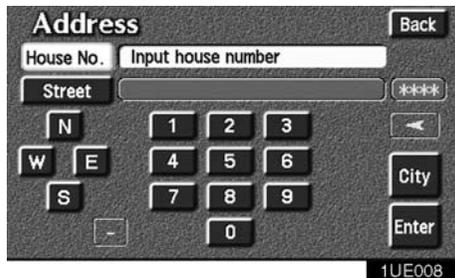
Touch any of — (preset destination) switches on the destination input screen.

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

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

For the steps to register the preset destination, see “Registering preset destination” on page 39.

Destination input by ADDRESS

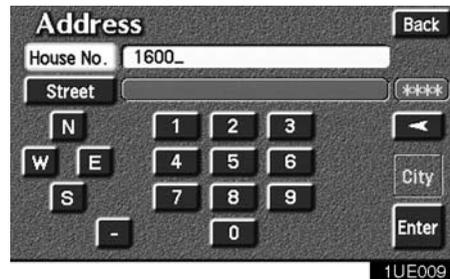


There are 2 ways to input a destination by address.

(a) Inputting a house number and street name

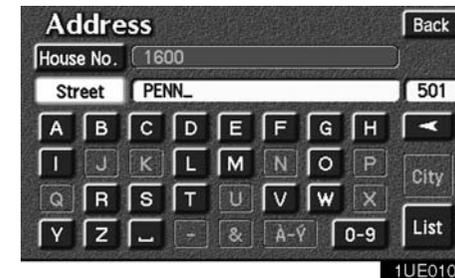
Touch the “Address” switch on the Destination screen. The Address screen appears, and then you can input a house number.

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.

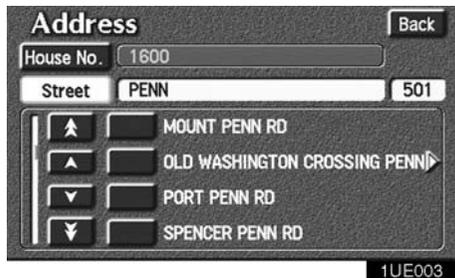
It is possible to input a street name first. Touch the “Street” switch to display the screen which you can input a street name.



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.

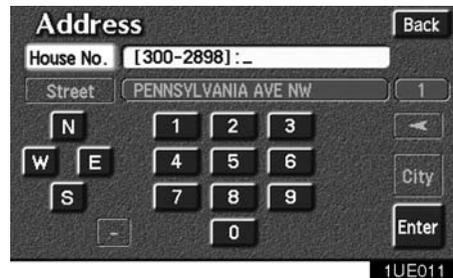
When you input numerals, touch the “0–9” switch to display the screen for numeral input.

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.

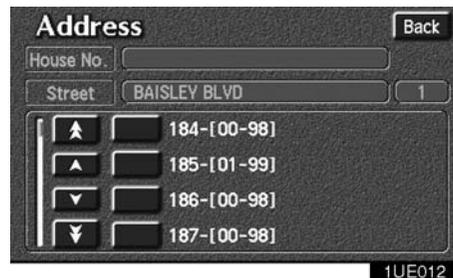


When you find your desired street name, touch **[City]** of the item. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 22.)

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.



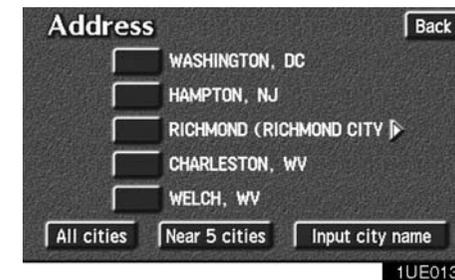
If you input a street name first, the screen changes. You can then input the house number.



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 8.



Last 5 cities are displayed on the screen.

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

Touch the **[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.

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 22.)

Destination Input by POI

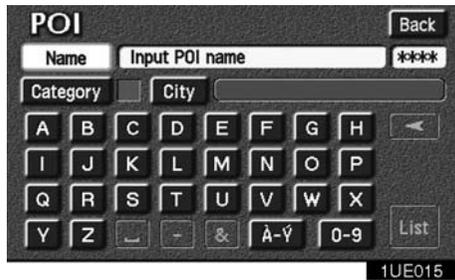
There are 3 ways to select a point of interest location.

- (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

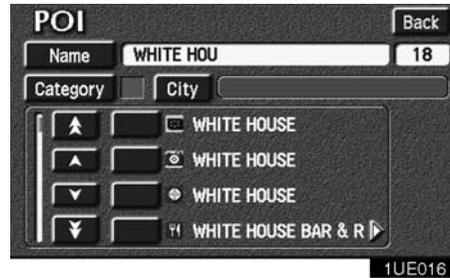
Touch the “POI” switch on the Destination screen.



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.

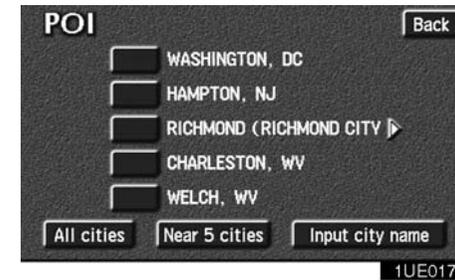


Touch the of your desired destination. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 22.)

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.)

(b) Selecting a city to search

Touch the “City” switch on the POI screen.



Last 5 cities are displayed on the screen.

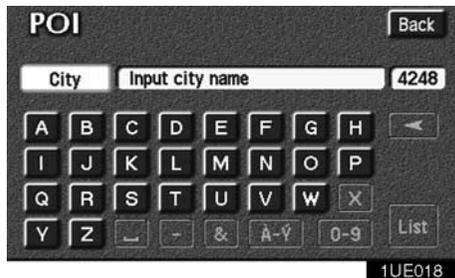
If you have not used this function yet, any city is not displayed on the screen.

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

All cities: All cities are selected.

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

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



Input the city name.

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

Touch the [] of the desired city name.

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

(c) Selecting from the categories

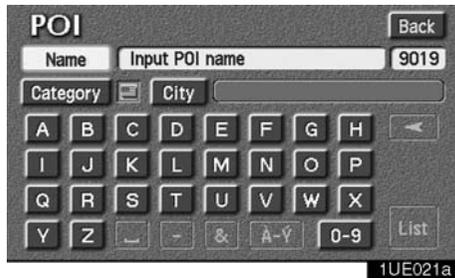
Touch the **“Category”** switch on the POI screen.



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

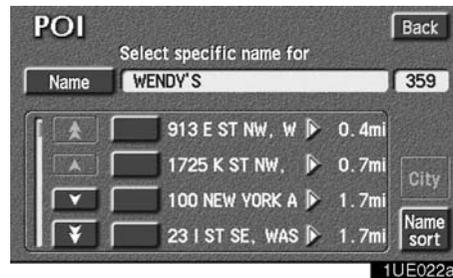


When you touch the [] of your desired category, the screen changes and displays the menu to input a name.

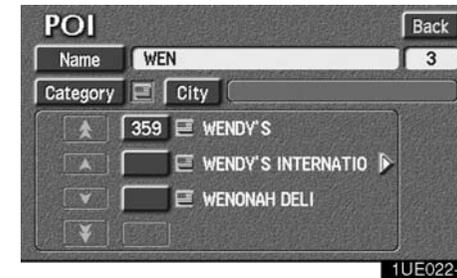


Once you have selected a category, you can touch letters directly on the screen if you input a name. When you input numerals, touch the “0-9” switch to display the screen for numeral input.

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

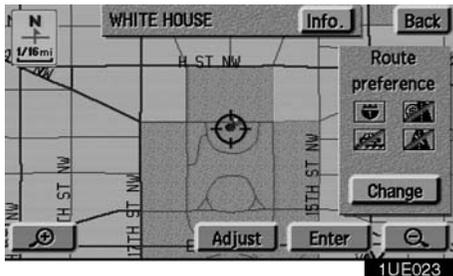


If you input the name of the specific point of interest and if the number of sites with the same name is more than one, the “Name sort” switch will be shown.



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

When you touch the  of your desired item, the screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 22.)



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 43.)

POI (Points of Interest) icons

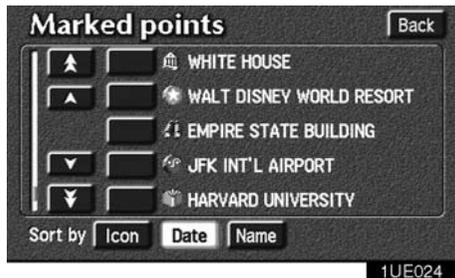
- | | | | |
|---|--|---|------------------------------|
|  | AUTOMOBILE CLUB |  | ATM |
|  | AUTO SERVICE & MAINTENANCE |  | BANK |
|  | GAS STATION |  | CITY HALL |
|  | LEXUS DEALERSHIPS
(all search areas) |  | CIVIC/COMMUNITY CENTER |
|  | PARKING GARAGE/HOUSE |  | CONVENTION/EXHIBITION CENTER |
|  | PARKING LOT |  | COURT HOUSE |
|  | TOYOTA DEALERSHIPS
(all search areas) |  | HIGHER EDUCATION |

	HOSPITAL		MARINA		WINERY
	LIBRARY		MUSEUM		RESTAURANT
	POLICE STATION		PARK/RECREATION (all search areas)		AMERICAN
	SCHOOL		PERFORMING ARTS		CHINESE
	AMUSEMENT PARK (all search areas)		SKI RESORT		CONTINENTAL
	CASINO		SPORTS COMPLEX		FRENCH
	GOLF COURSE		TOURIST ATTRACTION (all search areas)		ITALIAN

	JAPANESE		BUS STATION		REST AREA
	MEXICAN		COMMUTER RAIL STATION		TOURIST INFORMATION
	SEAFOOD		FERRY TERMINAL		TRAIN STATION
	OTHER		HISTORICAL MONUMENTS		BUSINESS FACILITY
	GROCERY STORE		HOTEL		CITY CENTER/NAMED PLACE
	SHOPPING		PARK AND RIDE		
	AIRPORT (all search areas)		RENTAL CAR AGENCY		

Destination Input by MARKED POINTS

Touching the “Marked points” switch on the Destination screen displays your list of registered marked points. See page 68 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 22.)

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 68.)

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 22.)

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



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

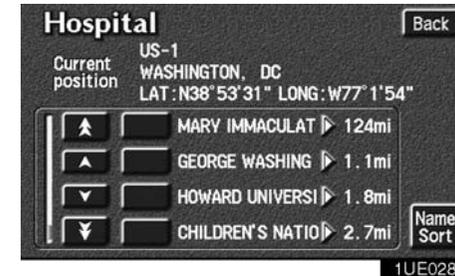
When you touch the switch on each previous destination or “Delete all” switch, a message appears to confirm your request. If you are sure, touch the “Yes” switch. If not, touch the “No” switch.

Destination input by EMERGENCY

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



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



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

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

Touch the [] of your desired item. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 22.)

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 52.)

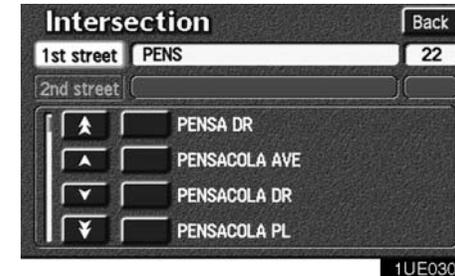
Destination input by INTERSECTION

Touch the “Intersection” switch on the Destination screen.

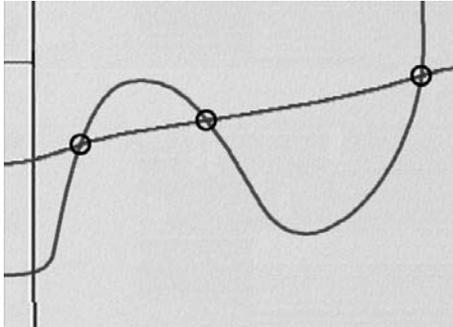


Input the name of the two intersecting streets which are located near the destination to be set.

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 22.)



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 22.)

Destination input by FREEWAY ENTRANCE or EXIT

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



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

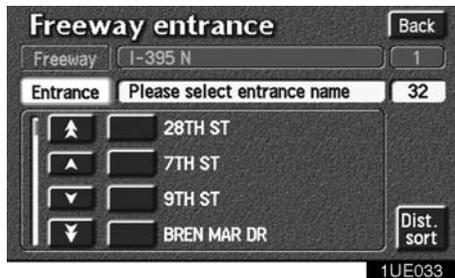
As the number of matching freeways decreases, you can touch the “List” switch to display the list. When the number of sites becomes 4 or less, the list screen appears automatically.



Select the desired freeway by touching the  .



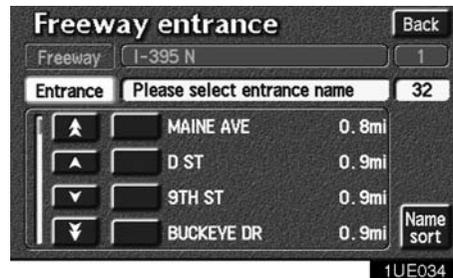
You can then select either a freeway “Entrance” or “Exit”.



Touch the **▲** of the desired entrance or exit name. The screen changes and displays the map location of the selected destination and the route preference. (See “(a) Entering Destination” on page 22.)

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



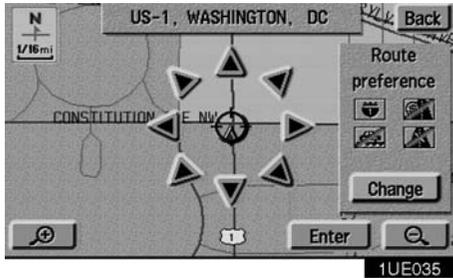
Touch the “Previous starting point” switch on the Destination screen.

The screen changes and displays the map location of the previous starting point and the route preference. (See “Entering Destination” on page 22.)

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.

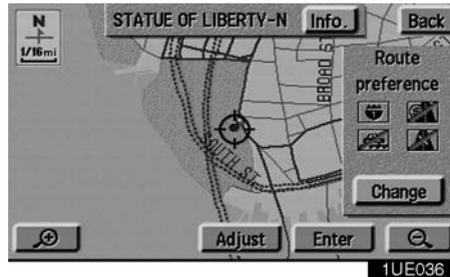


The screen changes and displays the map location that is previously displayed just before the operation and the route preference. (See “(a) Entering Destination” on page 22.)

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.



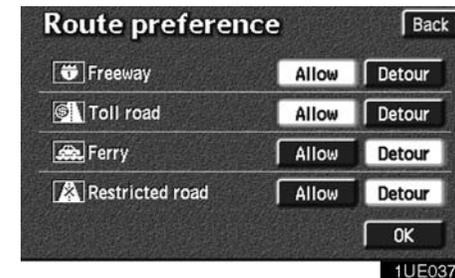
You can move and set the cursor  at a desired point. (For the method of how to move the cursor, see page 3.)

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.)

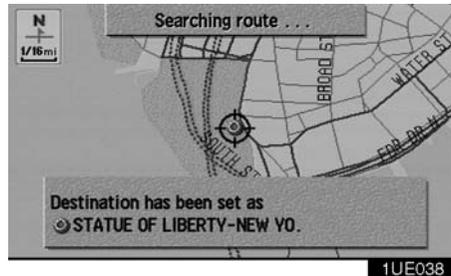
Touch the “Detour” switch of “Toll road” to search for a route other than toll roads as much as possible.

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

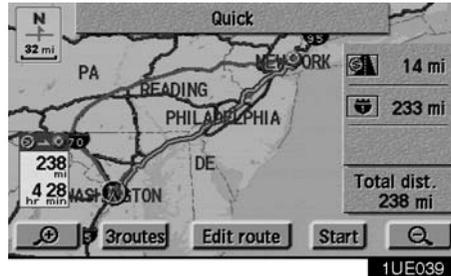
Touch the **“Detour”** switch of **“Restricted road”** to search for a route other than restricted road.

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

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



The system starts searching for a route to your destination.



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

Quick: A route on which you can reach the destination in the shortest time. This route is shown as 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 destination”**.

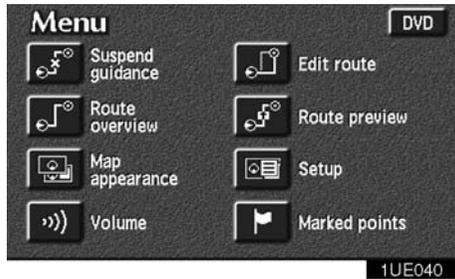
After selecting one, you can start the route guidance by touching the **“Start”** switch or starting to move your vehicle.

If you want to change the search condition, touch the **“Edit. route”** switch. The screen changes and displays the Edit route. (For details, see page 30.)

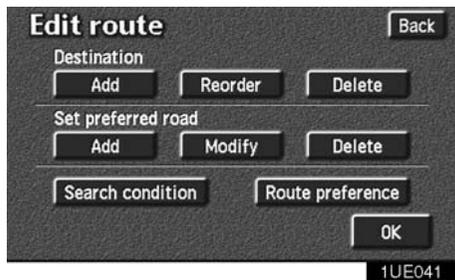
When you keep touching the **“Start”** switch until you hear a beep, Demo mode will start.

(b) Adding destinations

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

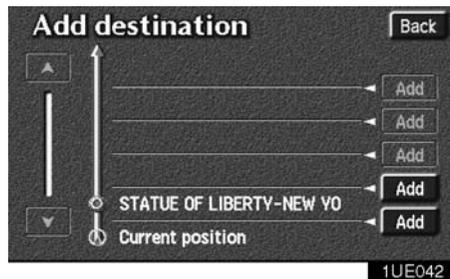


2. Touch the “Edit route” switch.



3. Touch the “Add” switch of Destination.

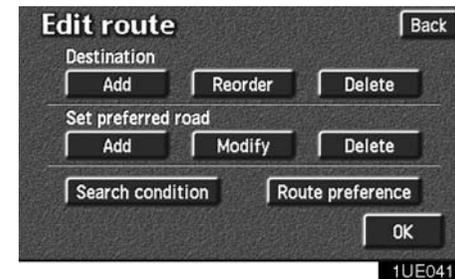
4. Input an additional destination in the same way as the destination input. (See page 22.)



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

(c) Reordering destinations

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



2. Touch the “Reorder” switch of Destination.

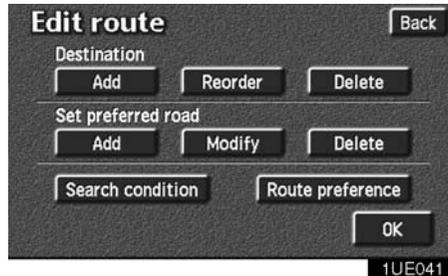


(d) Deleting destination



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.



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.

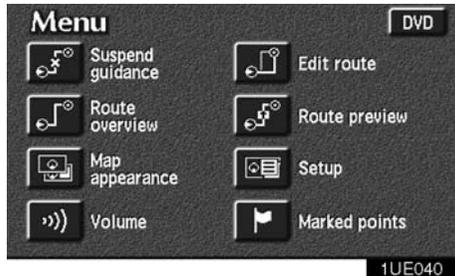
3. The message appears to confirm your request to delete. To delete the point(s), touch the “Yes” switch.

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

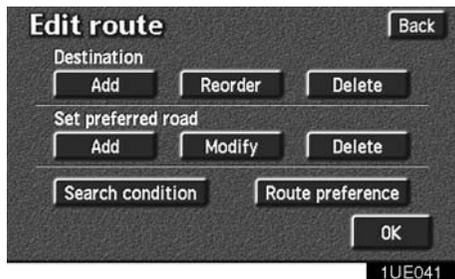
If you touch the “No” switch. The previous screen will return.

Setting and deleting preferred road

(a) Adding a preferred road



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



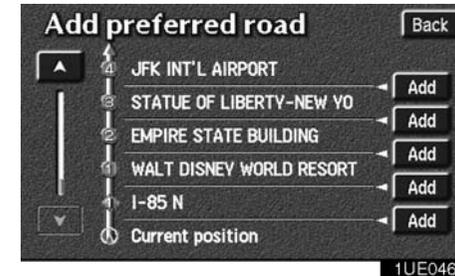
Touch the “Add” switch of Set preferred road. The following screen appears.



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

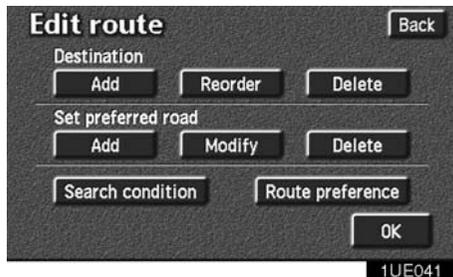
Messages appear to confirm your request on the screen. Touch the “Enter” switch to register the road.

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

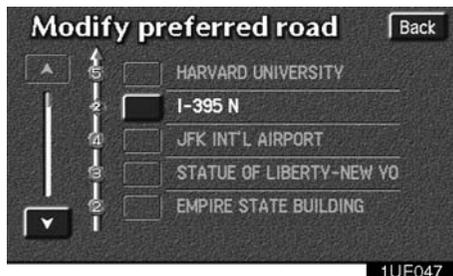


The Add preferred road screen appears. Touch the “Add” switch where you want to add a preferred road.

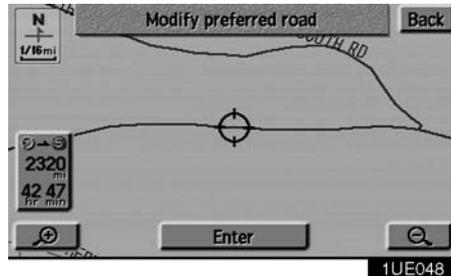
(b) Modifying a preferred road



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



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



Do the same procedure as adding a preferred road (see page 26).

(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 roads.

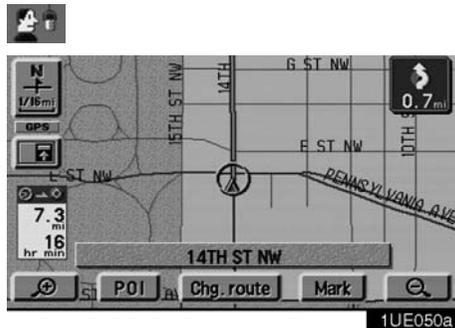
3. Messages appear to confirm your request to delete the preferred road. To delete the point(s), touch the **“Yes”** switch.

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

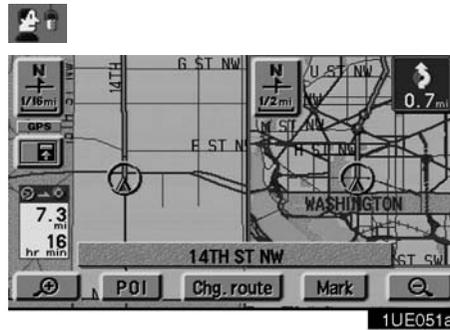
If you want to try again or cancel deletion, touch the **“No”** switch. The previous screen will return.

Route guidance screen

The route guidance system displays two different screen modes.



Single map: Map is shown in a screen.

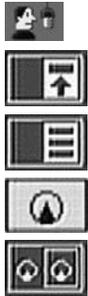


Dual map: Two different maps are shown in a screen.



Split screen: Map and guidance screen are shown in a screen mode. (For detail about Guidance screen, see page 45.)

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



Map/guidance:
To change the screen mode.

GPS

Upon reception of signals from the GPS (Global Positioning System), this mark appears. (For details, see page 50.)



These switches magnify or reduce the map scale. (For details, see page 48.)

POI

Touch this switch, and symbols of points of interest are shown on the screen. (For details, see page 43.)



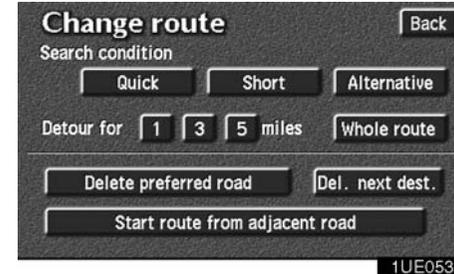
Touch this switch for one-touch registration of the marked point. (For details, see page 73.)

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 84.)*

Chg. route

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 42.)



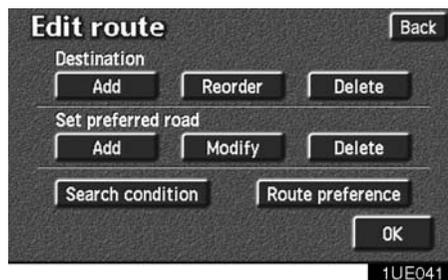
Del. next dest.: To delete and skip the next destination.

INFORMATION

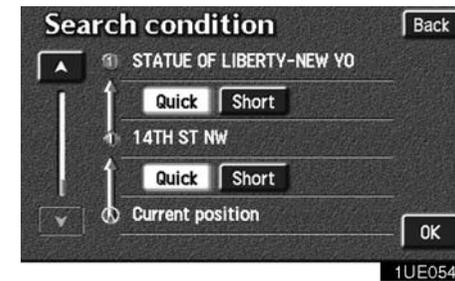
If the calculated route includes a trip by ferry, the route guidance shows a sea route. After you travel by ferry, the current vehicle position may be incorrect. Upon reception of GPS signals, it is automatically corrected.

Search condition

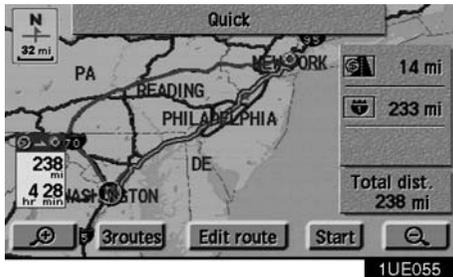
Push the “MENU” switch to display the Menu screen and touch the “Edit route” switch.



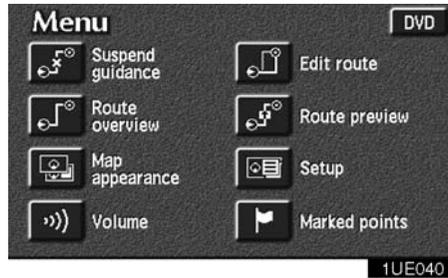
Touch the “Search Condition” switch. The search condition screen appears.



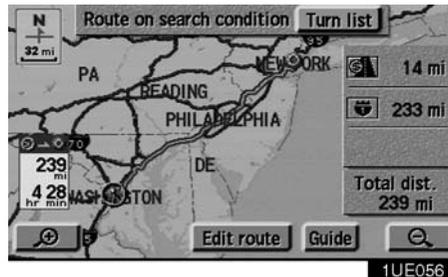
Touch the “Quick” or “Short” switch and then the “OK” switch.



Route overview



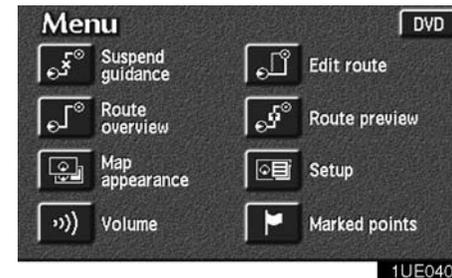
Touch the “Route overview” switch on the Menu screen.



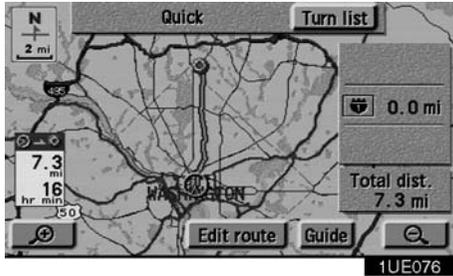
The entire route from the starting point to the destination is displayed.

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” switch 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.



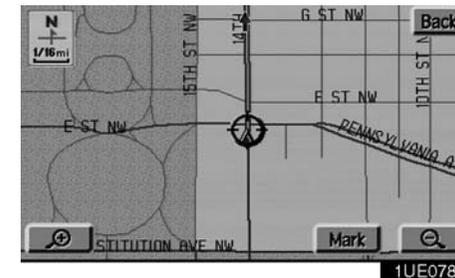
You can scroll through the list of roads by touching  or  switch. However, not all road names in the route may appear on the list. If a road changes its name without requiring a turn (such as on a street that runs through two or more cities), the name change will not appear on the list. The street name 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.



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

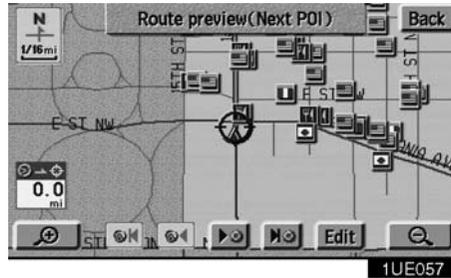


INFORMATION

- *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” switch to return to the map display with a route guidance.*

Route Preview

Touch the “Route preview”. The route preview screen appears.



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



To indicate the current position



To indicate the next destination or selected POI



To preview the route to the next destination or selected POI



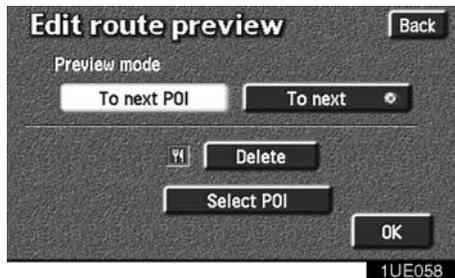
To preview the route to the next destination in fast-forward mode



To stop the preview



To review the route to the current position



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

To next POI: Preview the Next POI

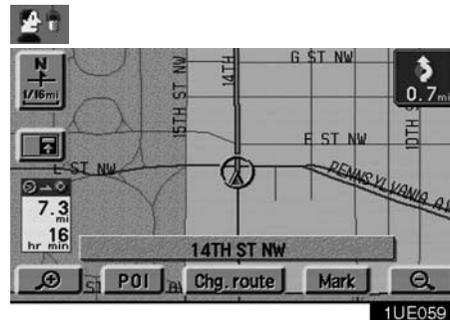
To next : Preview the Next destination

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 48 for details), the current vehicle position mark continues to track your current location.

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.

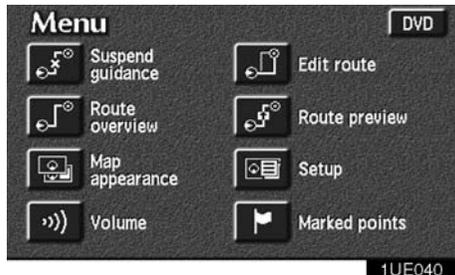
If you must correct the current position manually, follow the steps on page 79.

Voice guidance

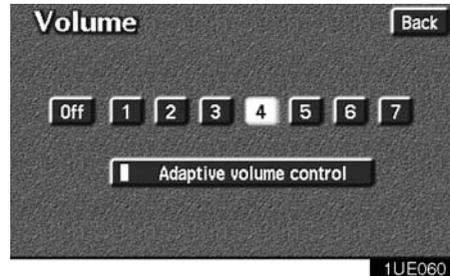


Voice guidance is offered automatically during route guidance. Use voice guidance just for your reference.

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



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

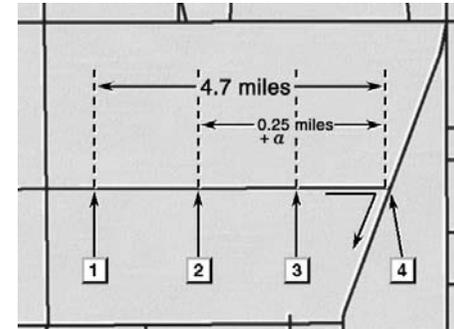


Touch any number to select the desired volume. Touching the “Off” switch turns the voice route guidance off. If you turn the “Adaptive volume control” on, the volume is turned up automatically when the vehicle speed exceeds 80 km/h (50 mph).

INFORMATION

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

Typical voice guidance prompts

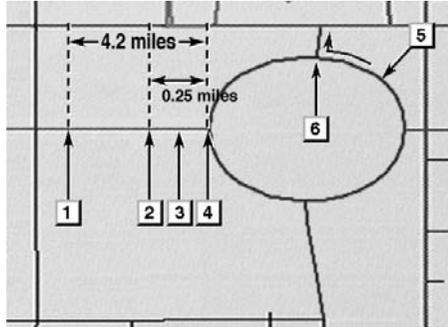


The voice guidance provides various messages as you approach an intersection, or other point where you need to maneuver the vehicle.

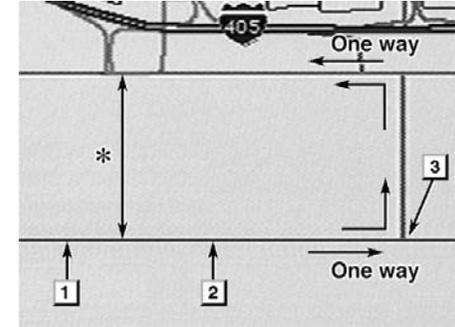
- 1 “Proceed about 5 miles”
- 2 “In a quarter of a mile, right turn”
- 3 “Right turn.”
- 4 (Beep sound only)

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.

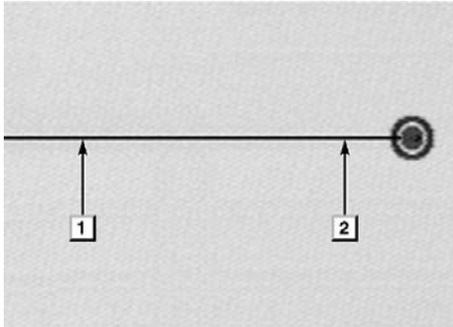


- 1  "Proceed about 4 miles to the traffic circle."
- 2  "In a quarter of a mile, traffic circle ahead, and then 3rd exit."
- 3  "The 3rd exit ahead."
- 4  (Beep sound only)
- 5  "The exit ahead."
- 6  (Beep sound only)



*: 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.

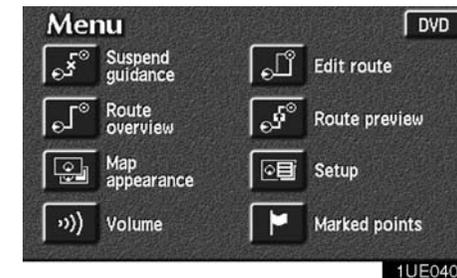
- 1 🎵 "Your destination is ahead."
- 2 🎵 "You have arrived at your destination. The route guidance is now finished."

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.

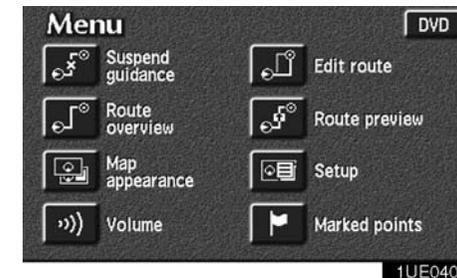
If your home is registered, the “Delete home” switch will be shown.



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 22.)

Deleting your home



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



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

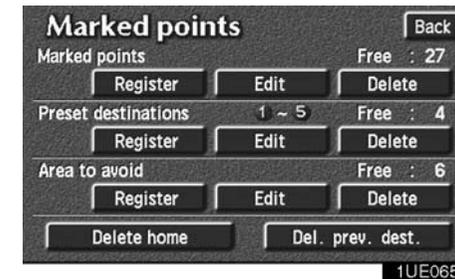


The screen changes and displays the map location of home and a message. If you are sure that you want to delete the point, touch the “Yes” switch. If not, touch the “No” switch.

Registering preset destinations

You can register up to 5 preset destinations

1. Push the “MENU” switch 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 22.)

Editing preset destinations

1. Push the “MENU” switch 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.

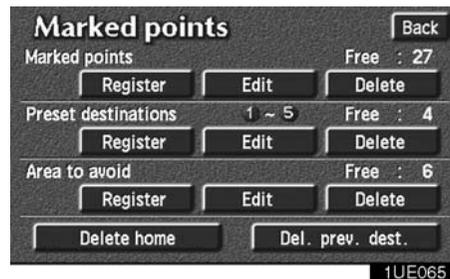


You can change the name, location and phone number of the preset destination.

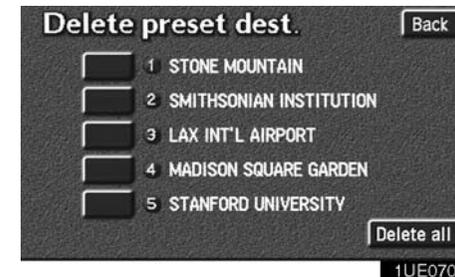
Touch the “Change” switch.

Deleting the preset destinations

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



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



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

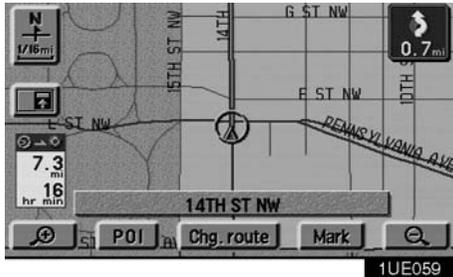
If you want to delete all the preset destinations, touch the “Delete all” switch.

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

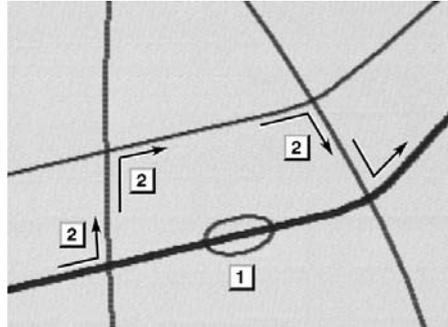
Detour setting



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

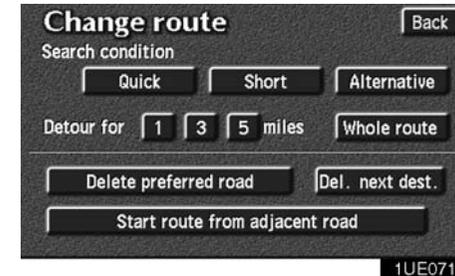


Touch the “Chg. route” switch if you encounter a reason to divert from the selected route.



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

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



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

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

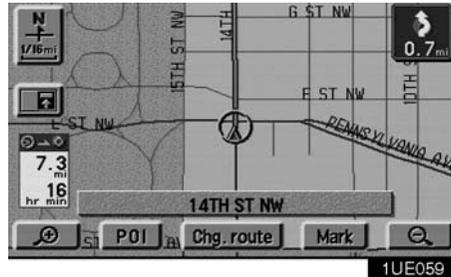
INFORMATION

- *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.*

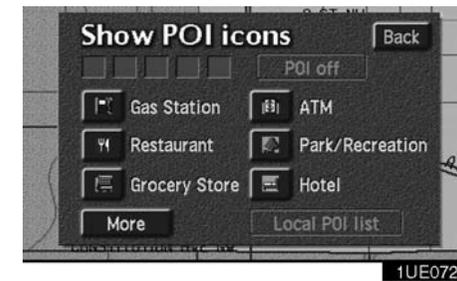
Displaying POI



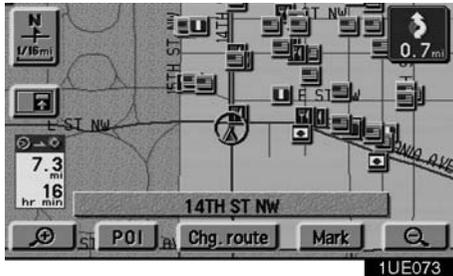
Points of interest such as gas stations and restaurants can be displayed on the Map screen. You can also set their location as a destination and use them for route guidance.



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



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.

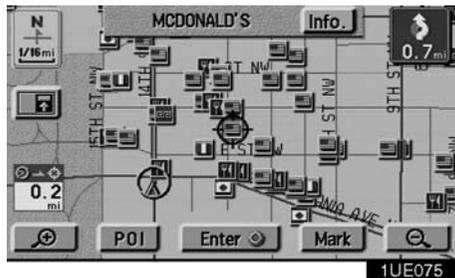
Touch the  of your desired point of interest. Points of interest which you chose are displayed on the Map screen.



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

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.

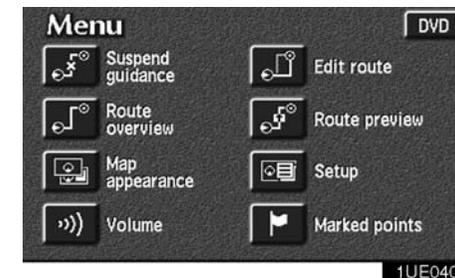
The name of the point of interest and the “Info.” switch on the screen are displayed at the top of the screen. When you touch the “Info.” switch on the screen, the information such as the name and address, etc. are displayed.

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 “Entering Destination” on page 22.)

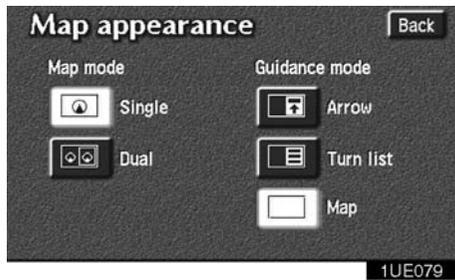
Map appearance



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” switch to display the Menu screen and touch the “Map appearance” switch.



Guidance mode



To display arrow screen



To display turn list screen



To display map screen

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

Map mode

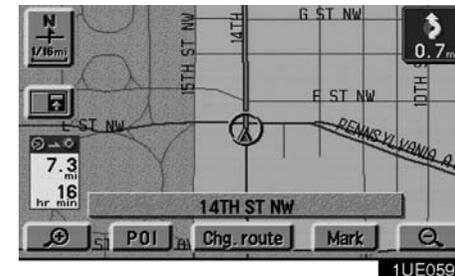


To display single map screen



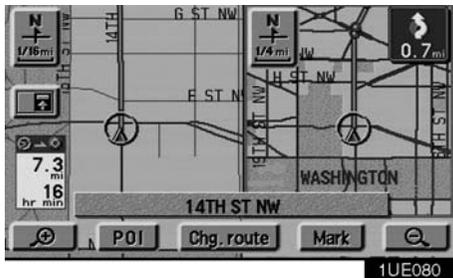
To display dual map screen

Single map



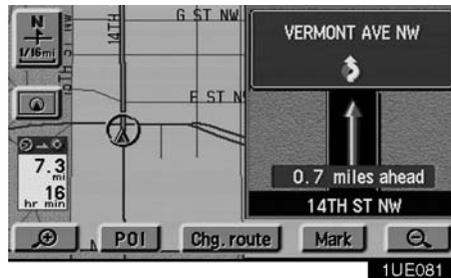
This screen shows the single map.

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 choose to display POI icons on the right side map.

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.

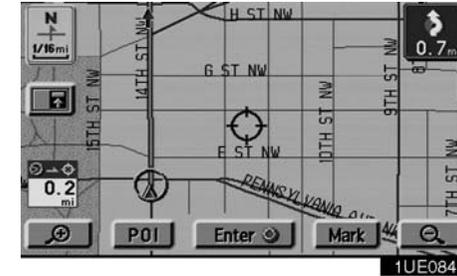
You can change the scale of the map display by touching the scale bar directly. It is not available during driving.

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

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.

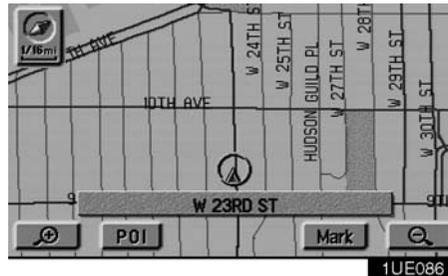
If you touch switches like “Mark”, “POI”, etc., the screen does not scroll and the respective functions operate.

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



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.



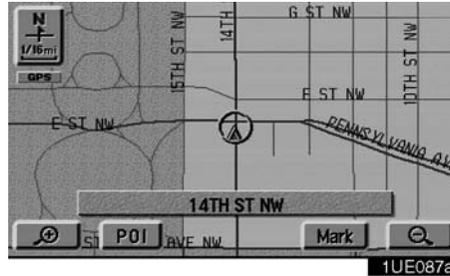
Heading-up symbol

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.

(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 79.

(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.

- 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 79 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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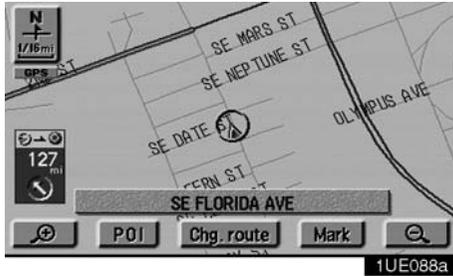
©GDT, Geographic Data Technology, Inc.

Data by infoUSA Copyright ©2002, All rights reserved.

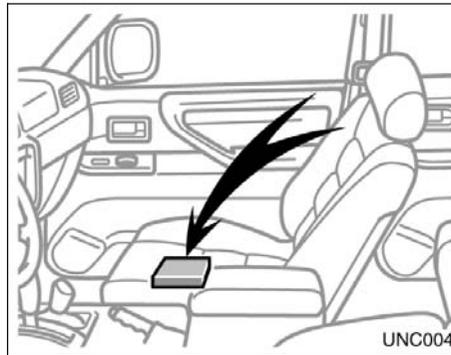
This product contains proprietary and confidential property of NAVTECH, GDT and infoUSA. Unauthorized use, including duplication of this product is expressly prohibited.

There are two types of areas available for route guidance. (See the following pages.) In one type of area, primarily around metropolitan centers, detailed route guidance is available for the entire area. In the other type of area, all roads are displayed on the map but route guidance is limited. The navigation route might lack precision because the data (no right turns, one-way traffic, etc.) is not complete. It is still possible to reach the destination by following the arrow direction and distance as shown on the bottom left of the screen. The arrow points in the direction of the destination. The distance shown is as measured in a straight line from the current vehicle position to the destination area.

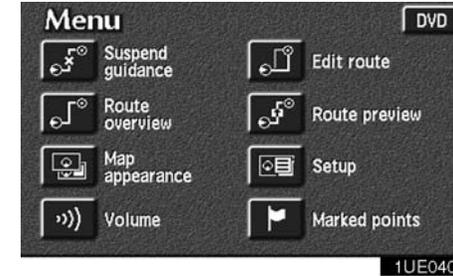
COPYRIGHT NOTICE: This area includes information taken with permission from Canadian authorities, including ©Her Majesty the Queen in Right of Canada, ©Queen's Printer for Ontario.



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



The map database is normally updated once a year. Contact your Toyota 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.

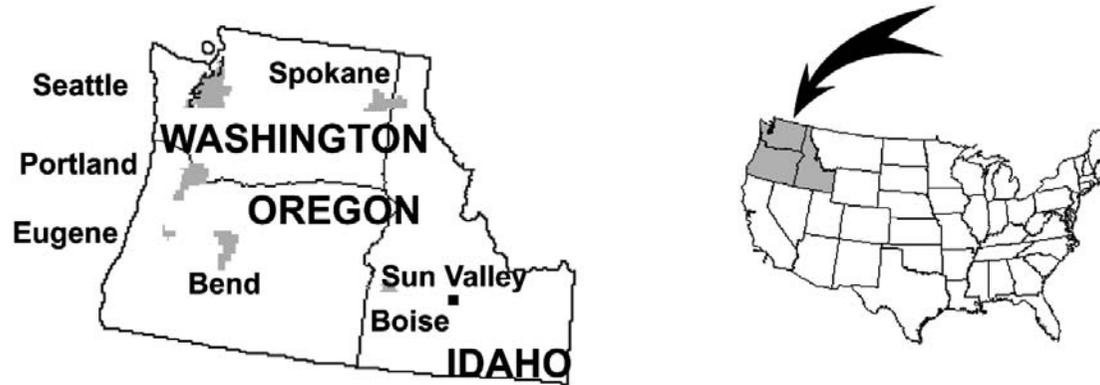
ROUTE GUIDANCE AVAILABILITY

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.

Route guidance availability



2001 by NAVTECH

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

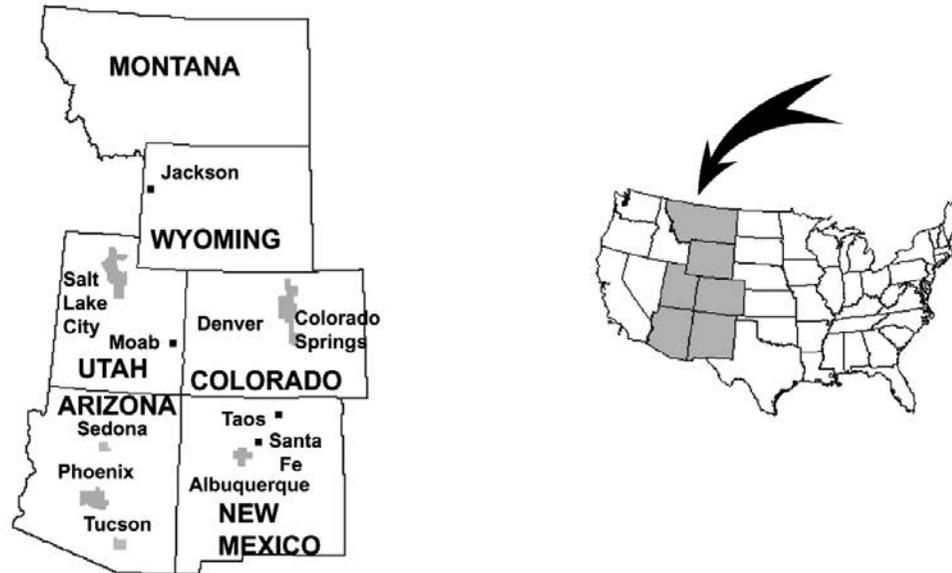
Route guidance availability



2001 by NAVTECH

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

Route guidance availability



2001 by NAVTECH

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

Route guidance availability



2001 by NAVTECH

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

Route guidance availability



2001 by NAVTECH

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

Route guidance availability



2001 by NAVTECH

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

Route guidance availability



2001 by NAVTECH

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

Route guidance availability



2001 by NAVTECH

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

Route guidance availability



2001 by NAVTECH

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

Route guidance availability



2001 by NAVTECH

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

Route guidance availability



2001 by NAVTECH

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

SECTION II

ADVANCED FUNCTIONS

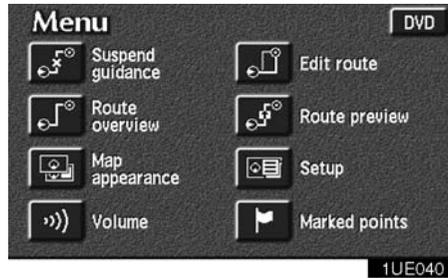
Descriptions of operations for more effective use

Marked points	68
Area to avoid	75
Current position calibration	79

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.

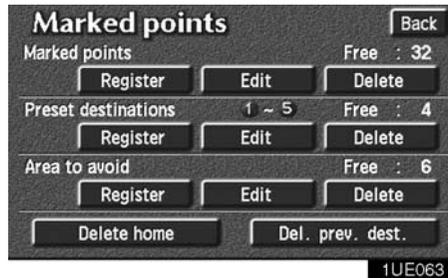
(a) Registering marked points



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

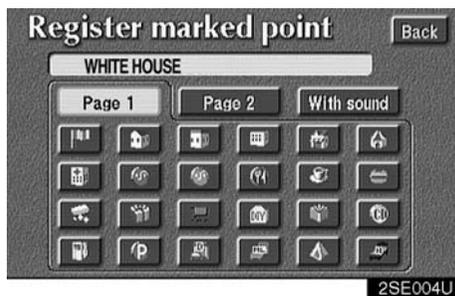


A screen similar to that for destination input appears. Input the address of the marked point in the same way as any destination input. See page 8 through 22.



2. Touch the “Register” switch of the 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 70.)

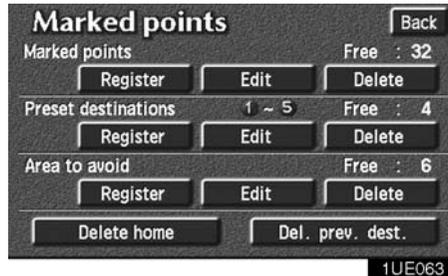
INFORMATION

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” switch to display the Menu screen and touch the “Marked points” switch.



2. Touch the “Edit” switch of Marked points.



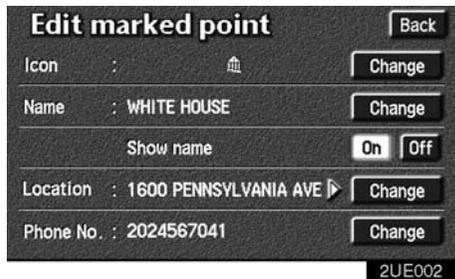
The screen lists the marked points.

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

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

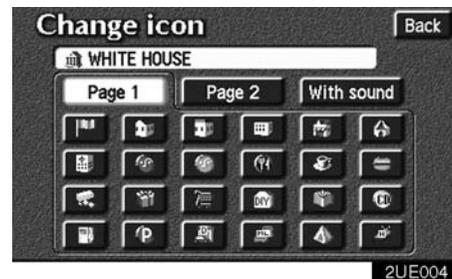
Sort by Name: Touch this switch to list the marked points in alphabetical order.

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



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

- CHANGING THE “ICON”



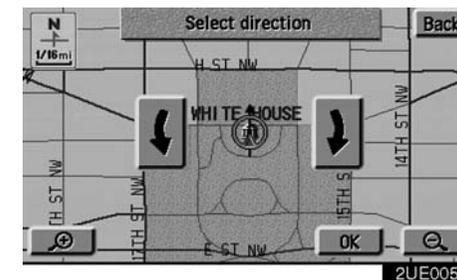
Touch your desired icon.

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

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

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

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



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

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

- CHANGING THE “NAME”

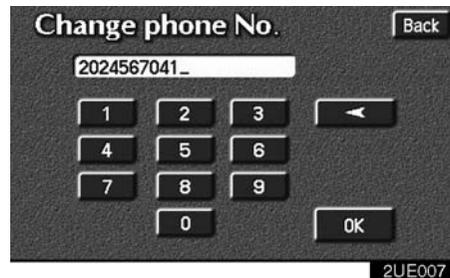


Touch alphabet or numeral keys directly to input the name.

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”

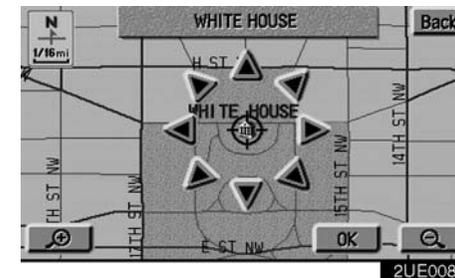


Touch numeral keys directly.

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

The previous screen will be displayed.

- CHANGING THE “LOCATION”



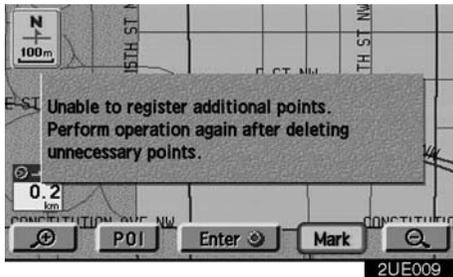
Touch the arrows to scroll to your desired point on the Map screen.

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.

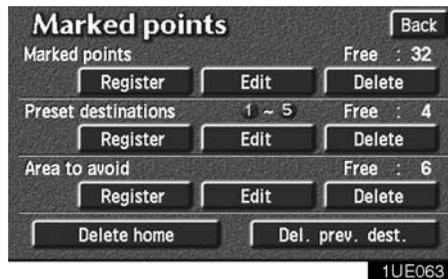
You can register up to 100 marked points. If you attempt to register more than 100, a message appears for confirmation.



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” switch to display the Menu screen and touch the “Marked points” switch.



2. Touch the “Delete” switch of the marked points.

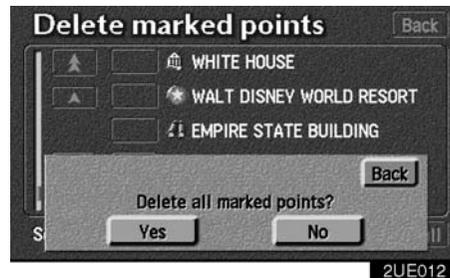
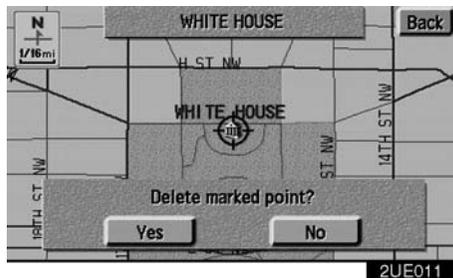


3. Touch  of the marked point to delete.

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

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

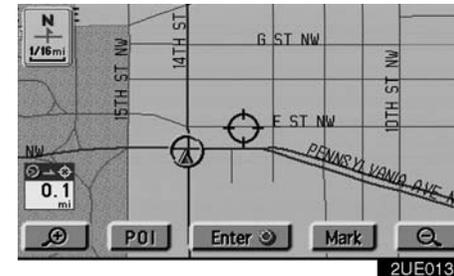
To delete only specified marked points, use the “Icon”, “Date” or “Name” switch to display the screen, so that you can easily find the marked points.



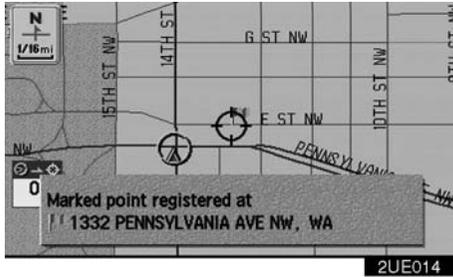
Either of the above messages appears depending on the type of deletion. If you want to delete, touch the “Yes” switch. To cancel the deletion, touch the “No” or “Back” switch.



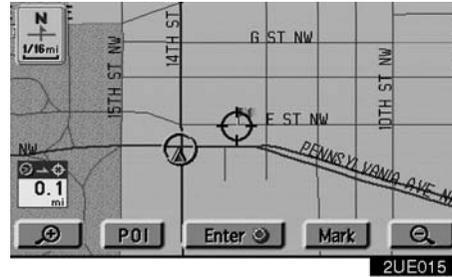
(d) One-touch marked point registration



You can register your current position or any points (See “Screen Scrolling” on page 48.) from the Map screen by touching the “Mark” switch.



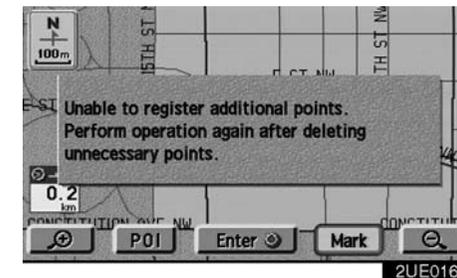
When you touch the “**Mark**” switch, the above screen appears for a few seconds, and then the Map screen returns.



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.

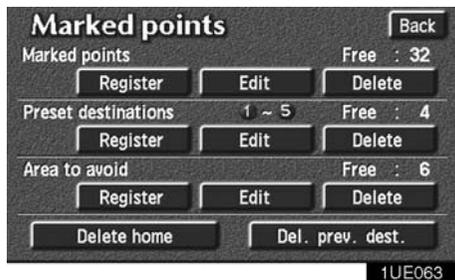


If you want to register a new point, delete one of the marked points. See “(c) Deleting marked points”.

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” switch to display Menu screen and then touch the “Marked points” switch to display the following screen.



INFORMATION

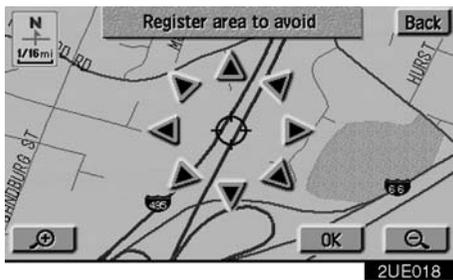
- *Some areas and freeways may not be able to be set as an avoid point.*
- *If a destination is input in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to avoid may be shown.*

(a) Registering area to avoid

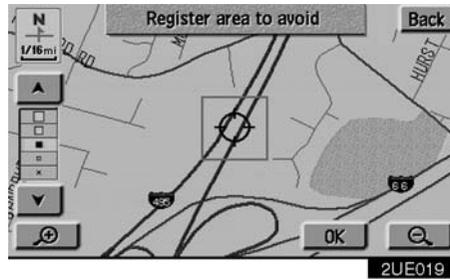
1. Touch the “Register” switch of Area to avoid.



2. Show the map of the area to avoid in the same way as you input any destination or display the map of the area you want to avoid. (See page 8 through 22.)

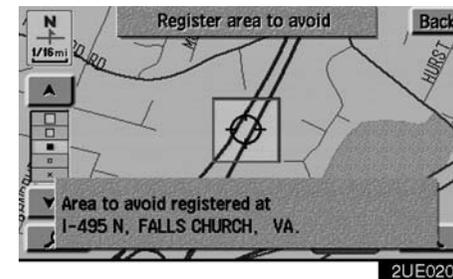


3. Touch the "OK" switch at the center of the area that you want to avoid.



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

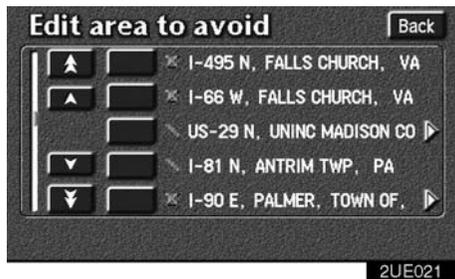
When you touch the "OK" switch, the following message appears.



After a few seconds, the Marked points screen returns.

(b) Editing area to avoid

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

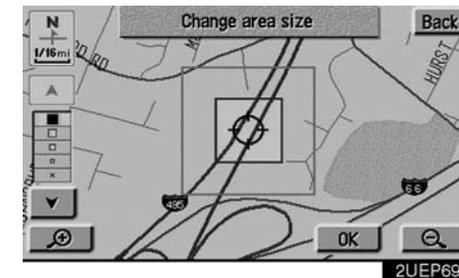


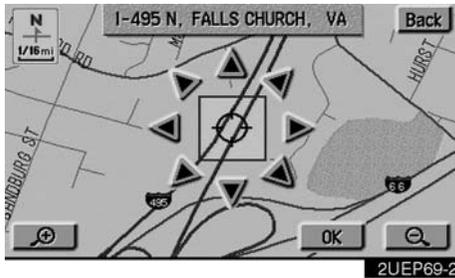
2. Touch the point you want to edit from the list.



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

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





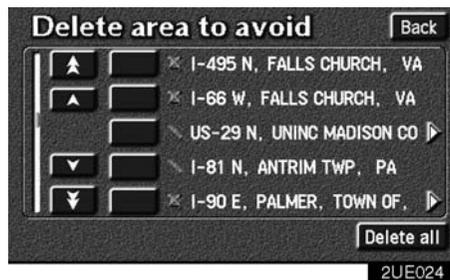
When editing is completed, touch the “OK” switch.

INFORMATION

- *If you try to change the map to an inappropriate scale, a message appears.*
- *For magnification or reduction of the map scale, see page 48.*

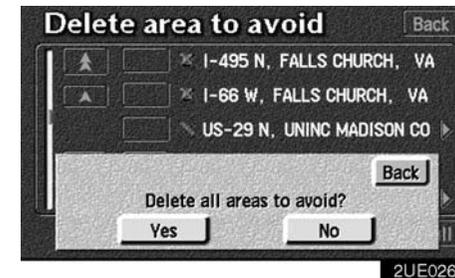
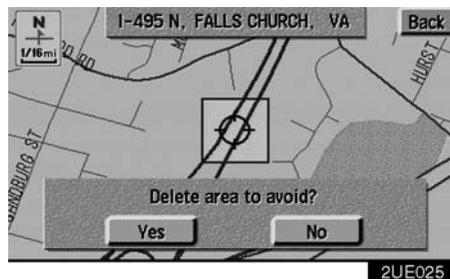
(c) Deleting area to avoid

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.



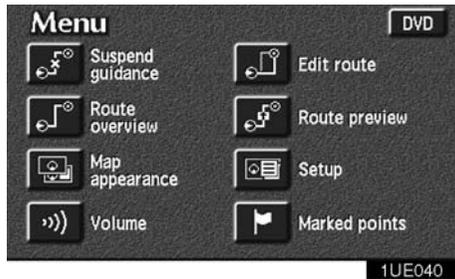
3. Either of the above messages appears.

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

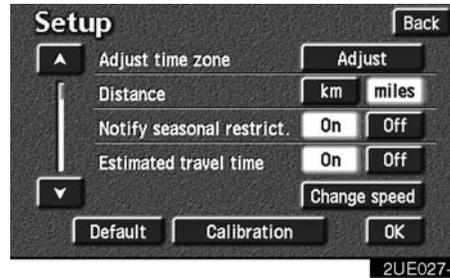
If you want to try again or cancel the deletion, touch the “No” switch. The previous screen will return.

Current position calibration

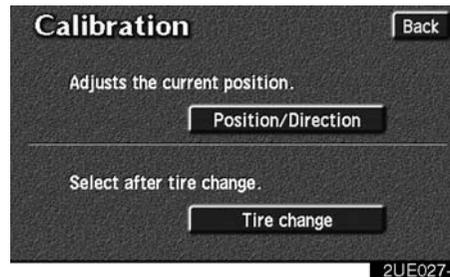
The current vehicle position mark will be automatically corrected during driving on reception of GPS signals. If your vehicle cannot receive GPS signals, you can correct the current position mark manually.



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



2. Touch the “Calibration” switch.

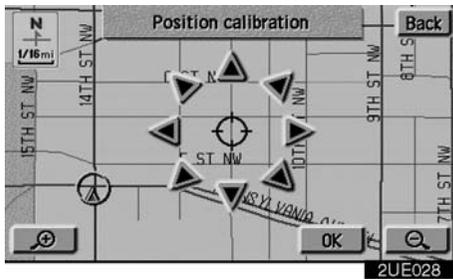


3. Touch the “Position/Direction” switch.

INFORMATION

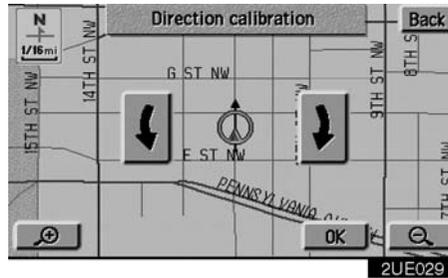
For additional information on current position accuracy, see “Limitations of the Navigation System” on page 50.

- **Position/Direction calibration**



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

Touch the “OK” switch.



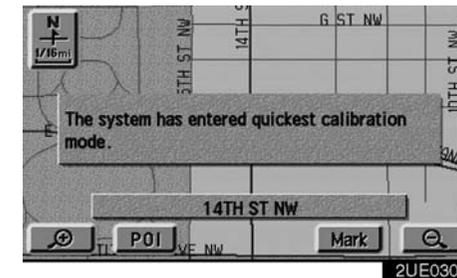
2. Touch either the left or right arrow to correct the direction of the current vehicle position mark.

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

- **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

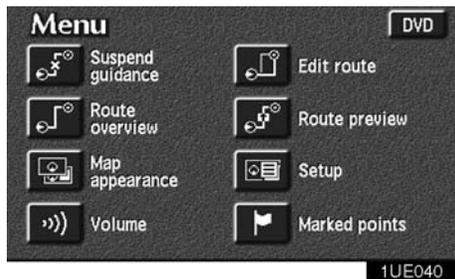
Convenient features

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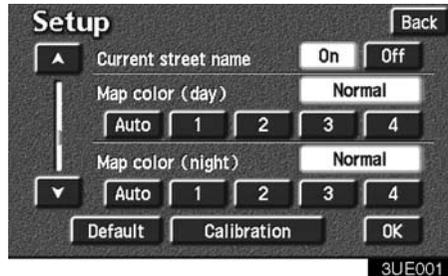
Setup

You can set the values shown on the Setup screen.

1. Push the “MENU” switch.



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



3. Touch the “OK” switch on the screen and the previous screen returns.

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

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

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

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

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

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

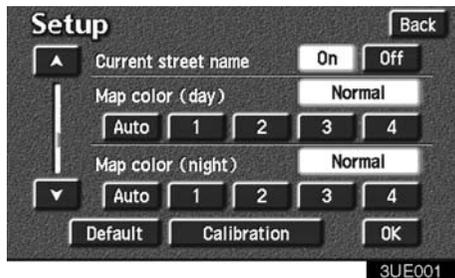
Notify seasonal restrict: You can select to notify or not to notify a seasonal restriction.

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

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

Map color

1. Push the “MENU” switch.
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. See “The map color list” below for details.

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

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

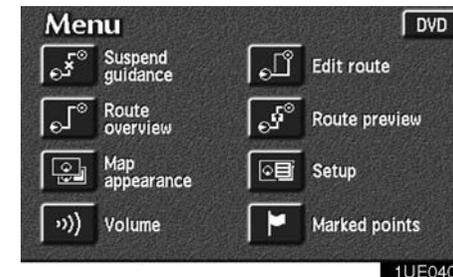
The Map color list

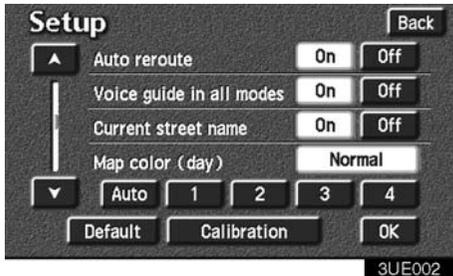
Switch NO.	Map color	“Auto” mode
1	Green	Mar.–May
2	Blue	Jun.–Aug.
3	Gray	Sep.–Nov.
4	Beige	Dec.–Feb.

Auto reroute

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

1. Push the “MENU” switch to display the Menu screen, and touch the “Setup” switch.





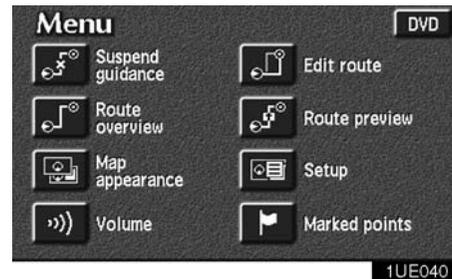
2. Touch the “On” switch of the “Auto reroute”. If you cannot find the item on the list, touch  or  switch to scroll the list.

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.

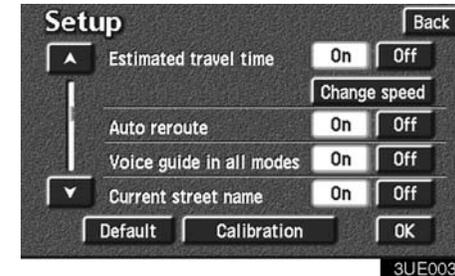
Estimated travel time

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

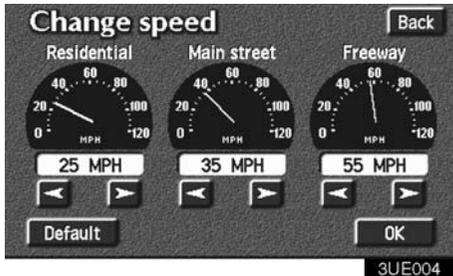


To turn the Estimated travel time on:

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



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



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.

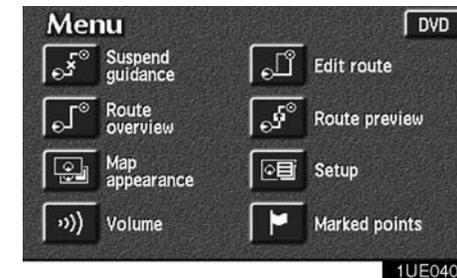
3. After you finish setting the desired speeds, touch the “OK” switch. The Set-up screen returns.

INFORMATION

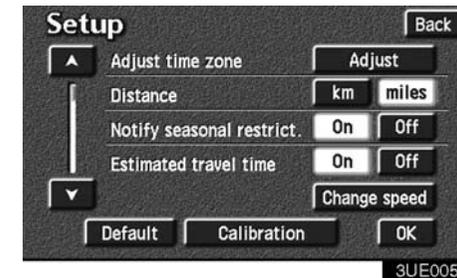
- *The displayed time to the destination is the approximate driving time calculated based on the speeds you selected and your actual position along the guidance route.*
- *The time shown may vary greatly depending on your progress along the route (which may be affected by road conditions such as traffic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

Adjusting time zone

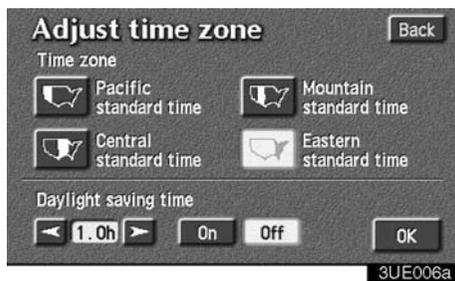
1. Push the “MENU” switch.



2. Touch the “Setup” switch.



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



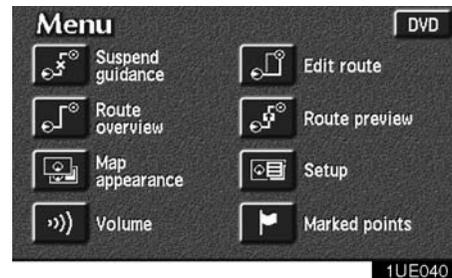
4. Select your desired time zone. Selected switch is highlighted in green.

Touch the “On” switch and then touch ◀ or ▶ switch to set the daylight saving time.

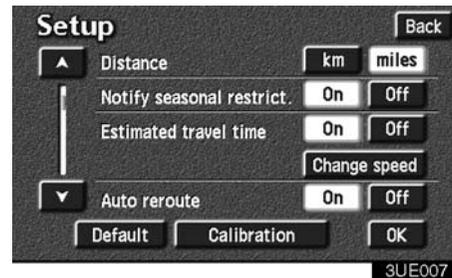
5. Touch the “OK” switch on the screen and the Setup screen returns.

Distance indication

1. Push the “MENU” switch.



2. Touch the “Setup” switch.

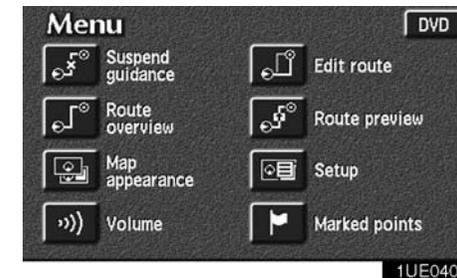


3. Touch “km” or “miles” to select your desired units.

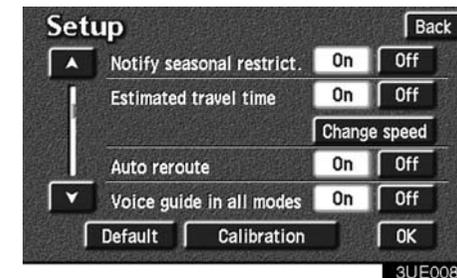
4. Touch the “OK” switch.

Notifying seasonal restriction

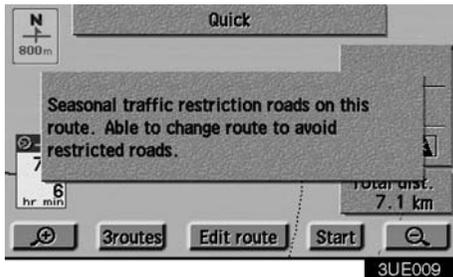
1. Push the “MENU” switch.



2. Touch the “Setup” switch.



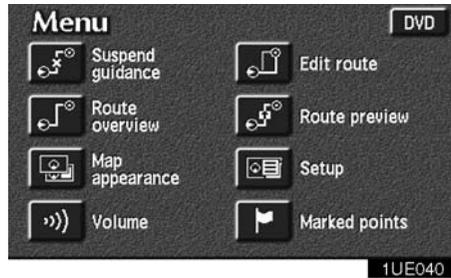
3. Touch the “On” switch of the Notify seasonal restrict. And then touch “OK” switch. The screen return to the current position map.



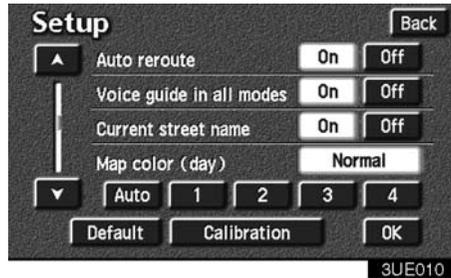
The restricted road icon and the message may appear on the screen.

Voice guidance in all modes

1. Push the “MENU” switch.



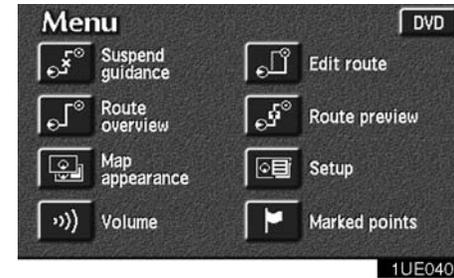
2. Touch the “Setup” switch.



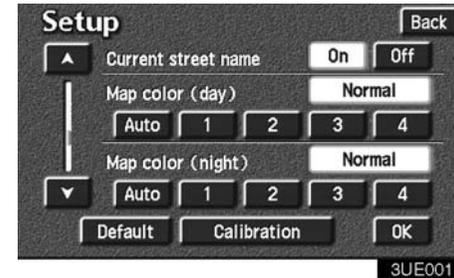
3. Touch the “On” switch on the right of Voice guide in all modes.

Current street name

1. Push the “MENU” switch.

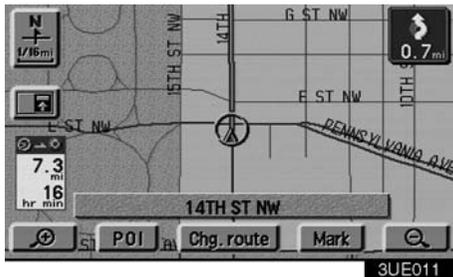


2. Touch the “Setup” switch.

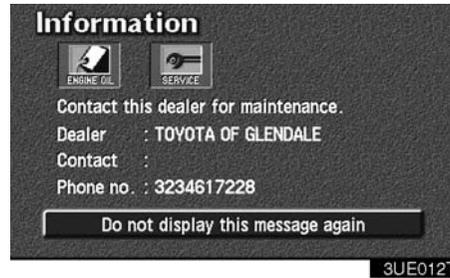


3. Touch the “On” switch on the right of Current street name.

The current street name appears on the Map screen.



Maintenance information



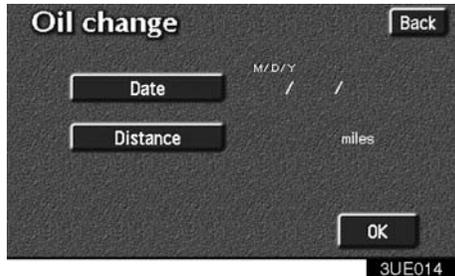
This system has a function which informs you of the time to replace certain parts or components as well as other information shown on the screen. (See “Information items” on page 89.) When the system begins operating after reaching either the Information Item’s date or driving distance, the Information screen will be displayed.

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



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

2. Touch your desired icon and input the conditions.



Date of notice: Input the next maintenance date.

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

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

After you input 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

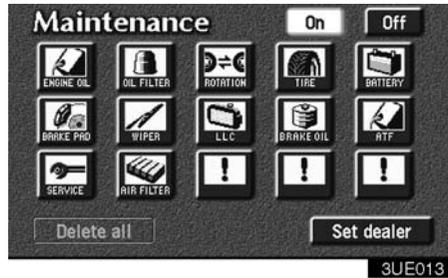
- *For scheduled maintenance information, please refer to the “Owner’s Manual Supplement / Scheduled Maintenance”.*
- *Depending on your driving or the road conditions, the system may have a time-lag between the data which has been input and the actual date and driving distance.*

Information items

-  Oil change
-  Replace oil filter
-  Rotate tires
-  Replace tires
-  Replace battery
-  Replace brake linings
-  Replace wiper blades
-  Replace engine coolant

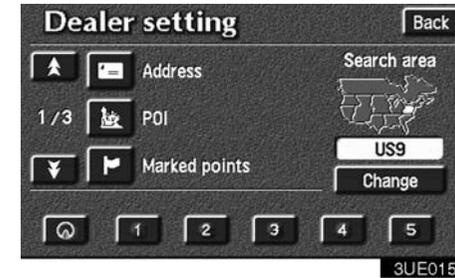
-  Replace brake fluid
-  Replace ATF
-  Scheduled maintenance
-  Replace air filter
-  Personal

Dealer setting

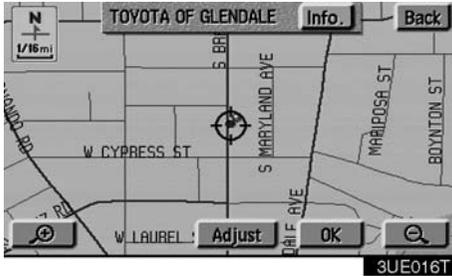


You can register your dealer's name and address. Touch the "Set dealer" switch on the Maintenance screen.

(a) Registering dealer



1. Enter your dealer's location address in the same way as you input any destination. (See page 8 through 22.)



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

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

By touching the “View map” switch of Edit dealer screen. You can see the location of the dealer. (See “Entering Destination” on page 22.)

(b) Editing dealer



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

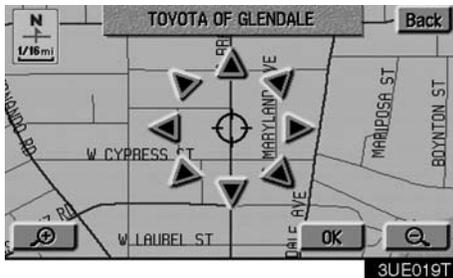
- Editing the name of the dealer or staff in charge



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

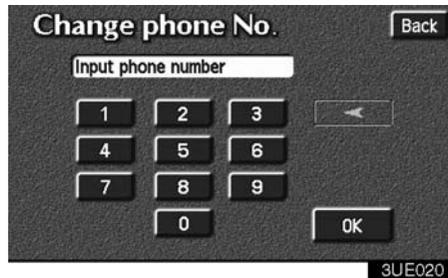


Touch the arrows to scroll to your desired point on the Map screen.

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.

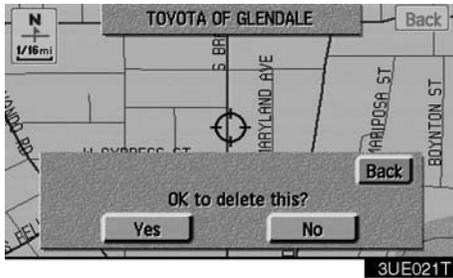
The previous screen will be displayed.

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

(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 of 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.



1. Push the “INFO” button on the bezel to display the Information Menu screen.
2. 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.

After you input the memo, touch the “OK” switch at the bottom right of the screen. The previous screen will be displayed.

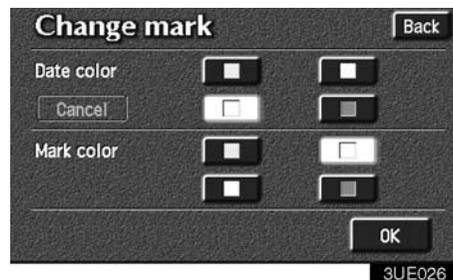
You can input a memo until December 31, 2020.



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.

(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 97 for the details.)

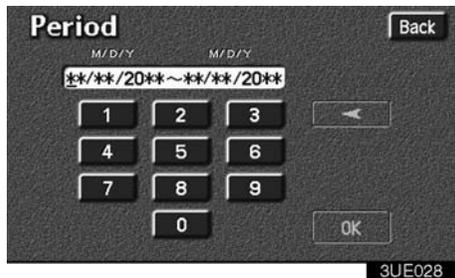
(e) Memo list



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. If not, touch the “No” switch.

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

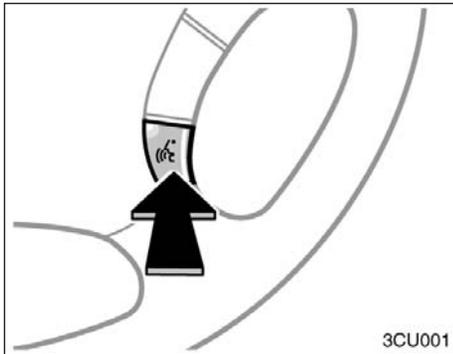


To edit: Touch the “Edit” switch. (See page 96 for details.)

To delete: Touch the “Delete” switch. (See page 96 for details.)

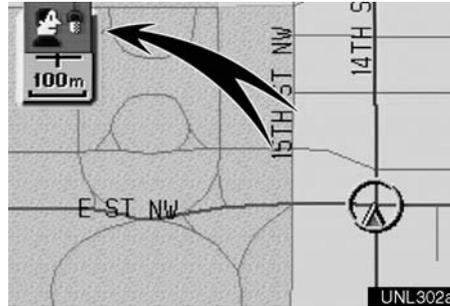
Speech command system

The speech command system allows you to operate the navigation system without using your hands.



1. Push the speech command switch.

A beep sounds and an indicator is shown at the top left of the display.

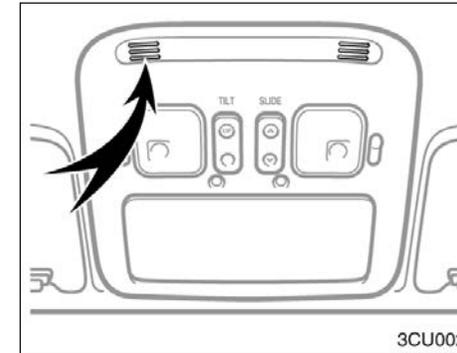


2. Give a command while an indicator is shown in the display. (See "Speech command list" on page 152.)

If the navigation system does not respond or the confirmation screen does not disappear, please push the speech command switch and try again.

If no command is given, a beep sounds and the indicator disappears 6 seconds later.

If the system does not recognize your speech, the system will respond with this message ("System does not recognize this command, please rephrase your command."). Start the operation from the beginning.



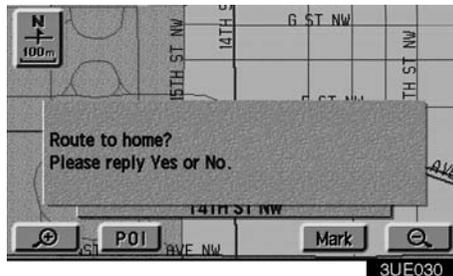
► Microphone

It is unnecessary to speak directly into the microphone when giving a command.

Speech command example: Searching for a route to your home.

1. Push the speech command switch.
2. Say "Go home".

If your home is not registered, you will hear "Home is not registered".



3. If you hear "Are you sure that you want a route to home?" (also shown on the display), push the speech command switch and say "Yes".

If you say "No", the search will be canceled.

4. You will hear "Calculating route to home" and then the system starts searching for a route.

INFORMATION

In the following conditions, the system may not recognize the command properly.

- *The command is not correct or clear.*
- *There are some noises such as wind noise, etc.*

SECTION IV

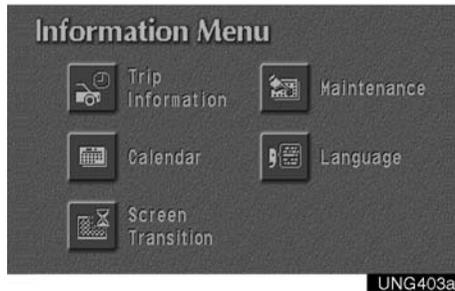
OTHER FUNCTIONS

Trip information	102
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Screen adjustment	103

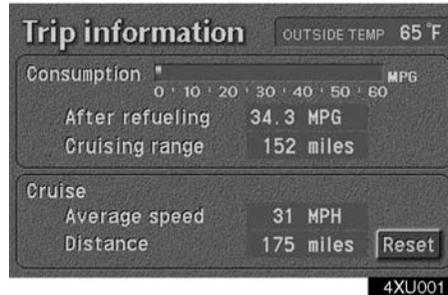
Trip information

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

1. Push the "INFO" button to display the information menu screen.



2. Touch the "Trip Information" switch.



Consumption

The consumption is calculated and displayed based on the driving distance and the fuel consumption for 2 seconds with engine running.

The value is updated every 2 seconds.

If you are driving at low speeds just before stopping, the accurate figure may not be shown.

After Refueling

The consumption after refueling is calculated and displayed based on the total driving distance and the total fuel consumption after refueling.

The value is updated every 10 seconds.

When refueling, be sure to stop your vehicle and turn the ignition switch off.

Cruising Range

How far you can drive with the remaining fuel is displayed.

Even though the display indicates sufficient miles to run, if the fuel level on the fuel gauge approaches "E" or the low fuel level warning light comes on, fill the fuel tank as soon as possible.

INFORMATION

- *When you first start driving your new vehicle, the correct cruising range may not be shown. One or more refills of 10 gallons or more may be required for the system to set its calibration.*
- *The cruising range displayed is calculated based on past fuel consumption and may vary according to your driving style and road condition.*

Average Speed

The Average Speed is displayed. The average vehicle speed is calculated and displayed based on the total driving distance and the total driving time after the engine is started.

The displayed value is updated every 10 seconds.

To calculate from the beginning, touch the **"Reset"** switch.

Distance

The distance after engine starting is displayed.

When refueling, be sure to stop your vehicle and turn the ignition switch off.

To calculate from the beginning, touch the **"Reset"** switch.

Screen transition

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

1. Push the **"INFO"** button on the bezel to display the Information menu screen and touch the **"Screen Transition"** switch.



2. Select the **"ON"** or **"OFF"** and then touch the **"OK"**.

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

OFF: The audio or 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 on the bezel 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.

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



Color and tone adjustment

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

COLOR "RED":

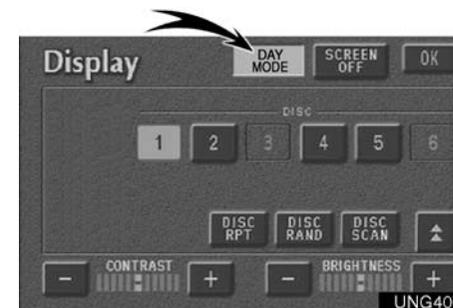
Strengthens the red color of the screen.

COLOR "GREEN":

Strengthens the green color of the screen.

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

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



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

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

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

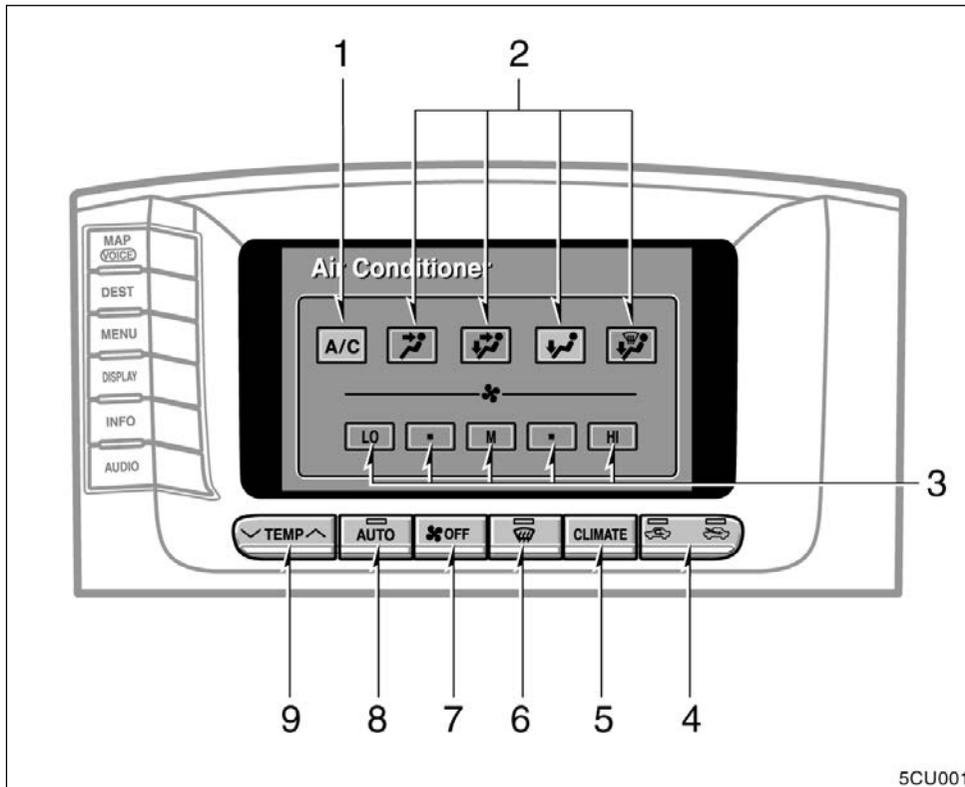
If the screen is set in the day mode with the headlight switch turned to on, this condition is memorized in the system even with the engine turned off.

SECTION V

AIR CONDITIONING

Automatic air conditioning controls 106

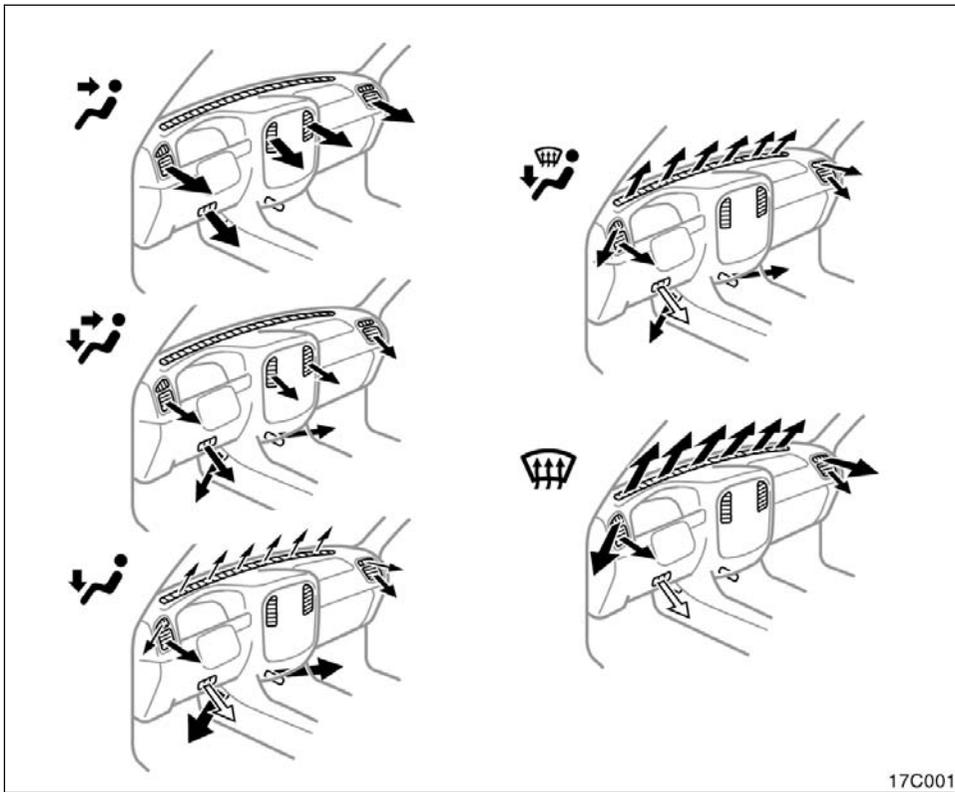
Automatic air conditioning controls



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1. Air conditioning on-off switch . 111
2. Air flow control switch 109
3. Fan speed control switch 110
4. Air intake control button 110
5. Air conditioning operation screen display button 108
6. Front windshield button 111
7. OFF button 108
8. Automatic control button 108
9. Driver side temperature control button 109



17C001

► **Air flow selection**

⇒ See "Lower vent" on page 113.

► **The automatic air conditioning automatically maintains the set temperature.**

This air conditioning features automatic fan speed and air flow control which automatically selects the most suitable fan speed and air flow to control the temperature. The ignition key must be in the "ON" position.

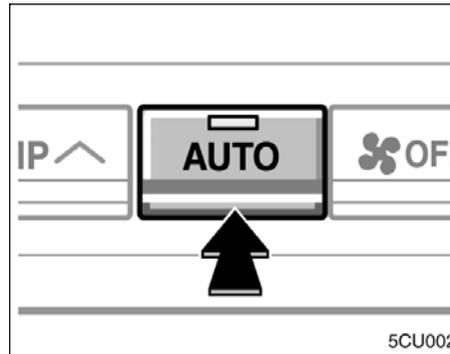
CLIMATE: Push this button to display switches for automatic air conditioning controls.

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



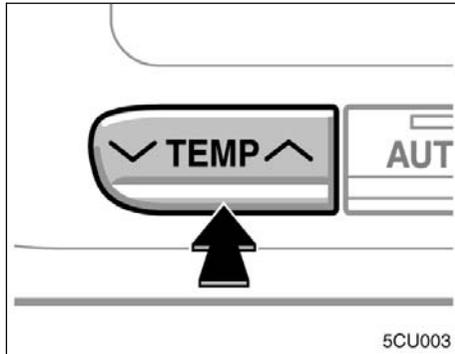
1. Push the "AUTO" button.

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. The operation status is shown by each indicator.

When one of the manual control buttons is depressed while operating in automatic mode, the mode relevant to the depressed button is set. Other conditions continue to be adjusted automatically.

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

It is recommended that you close the lower vent. For details about this, see page 113.



2. Use the "TEMP" button to set the desired temperature.

The "TEMP" button is used to set the desired passenger compartment temperature. The temperature of air delivered to the passenger compartment will be controlled automatically according to the setting.

SETTING OPERATION – manual control

When one of the manual control buttons is depressed while operating in automatic mode, the mode relevant to the depressed button 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.
- 2 Bi-level** – Air flows from both the floor vents and the instrument panel vents.

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

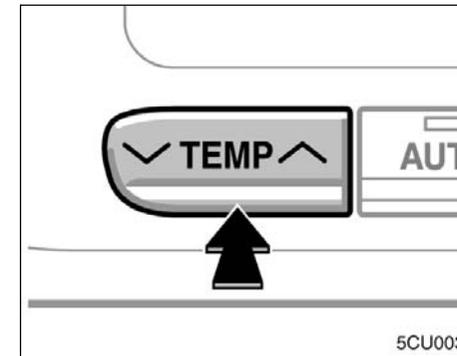
It is recommended that you close the lower vent. For details about this, see page 113.

- 4 Floor/Windshield** – Air flows mainly from the floor vents and windshield vents.

It is recommended that you close the lower vent. For details about this, see page 113.

The selected mode is highlighted in green.

If quick heating or cooling is desired –



Push the "TEMP" button on either side and hold it until the maximum figure or minimum figure appears.

If manual fan speed control is desired –



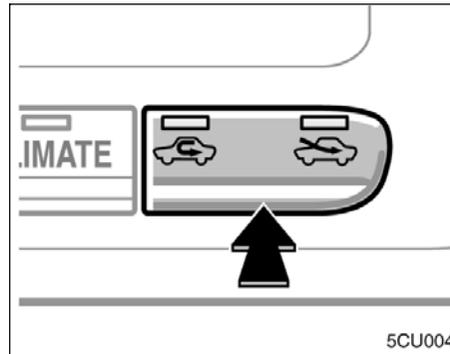
- ▶ 1 Fan speed at low
- ▶ 2 Fan speed at high

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 exterior windshield frost, 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 OUTSIDE AIR mode indicator light will come on 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 RECIRCULATED AIR mode indicator light will come on.

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

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.

In the following cases, the RECIRCULATED mode may change to the OUTSIDE AIR mode automatically to prevent interior fog.

- When the outside temperature becomes lower than 4°C (39°F).
- When the air conditioning compressor malfunctions.
- When the air conditioning cooler refrigerant decreases.

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

Push the "A/C" switch to turn the air conditioning on and push it again to turn the air conditioning off.

If the outside temperature is lowered down to around 0°C (32°F), the air conditioning will turn off automatically.

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.

(b) Windshield defogging and defrosting



To remove interior fog on the windshield–

Push the "FRONT WINDSHIELD" button.

To remove frost or exterior fog on the windshield–

1. Push the upper side of the temperature control button until maximum figure appears on the temperature display.
2. Push the "FRONT WINDSHIELD" button.

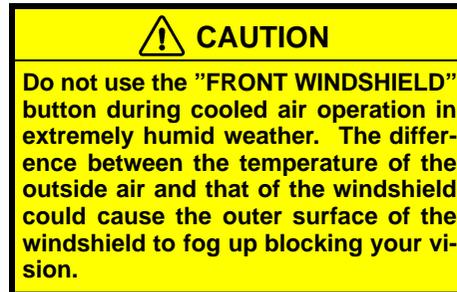
3. Push the "HI" of the air flow control switch to obtain a maximum air flow.
4. Leave the air conditioning on-off button off.

For further information for removing frost and fog, see "Lower vent" on page 113.

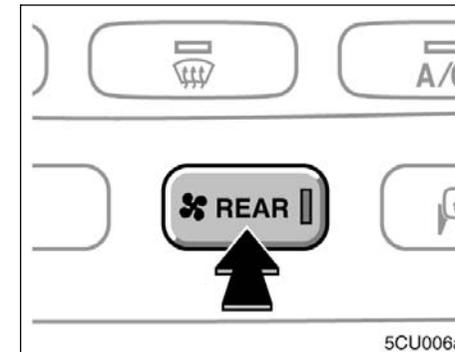
When the "FRONT WINDSHIELD" button is pushed while operating in automatic mode, the air conditioning is set to operate and the OUTSIDE AIR mode is set.

Push the "A/C" switch for dehumidified heating or cooling. This setting clears the front view more quickly.

If you push the "FRONT WINDSHIELD" button once again while in the FRONT WINDSHIELD mode, the mode then returns to the last mode used.

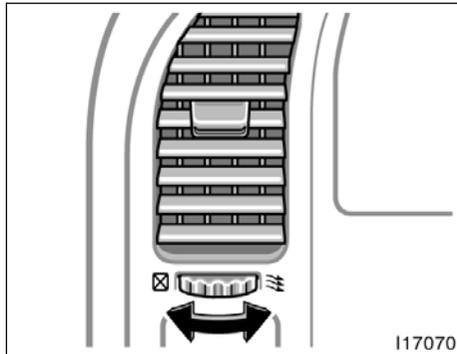


(c) Rear air conditioning switch



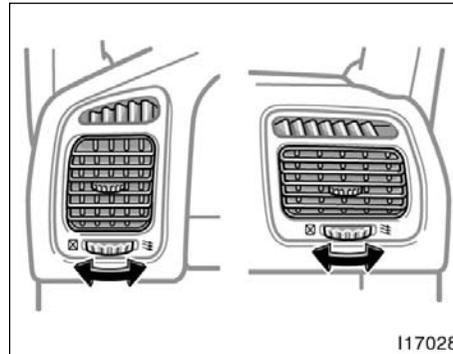
To turn on the rear air conditioning when you sit on the front seat, push this switch. The rear air conditioning operates in the automatic mode. To adjust the air flow and setting temperature, follow the steps in accordance with "Rear air conditioning controls" in the Owner's Manual.

Center vents



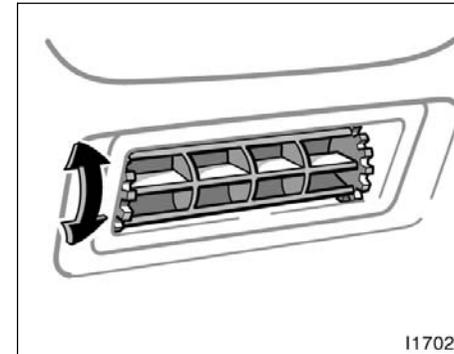
The center vents may be opened or closed as shown.

Side vents



The side vents may be opened or closed as shown.

Lower vent



The lower vent may be opened or closed as shown.

For removing frost or fog, it is recommend that you close the lower vent when you use the "Floor", the "Floor/Windshield" or the "Windshield" mode.

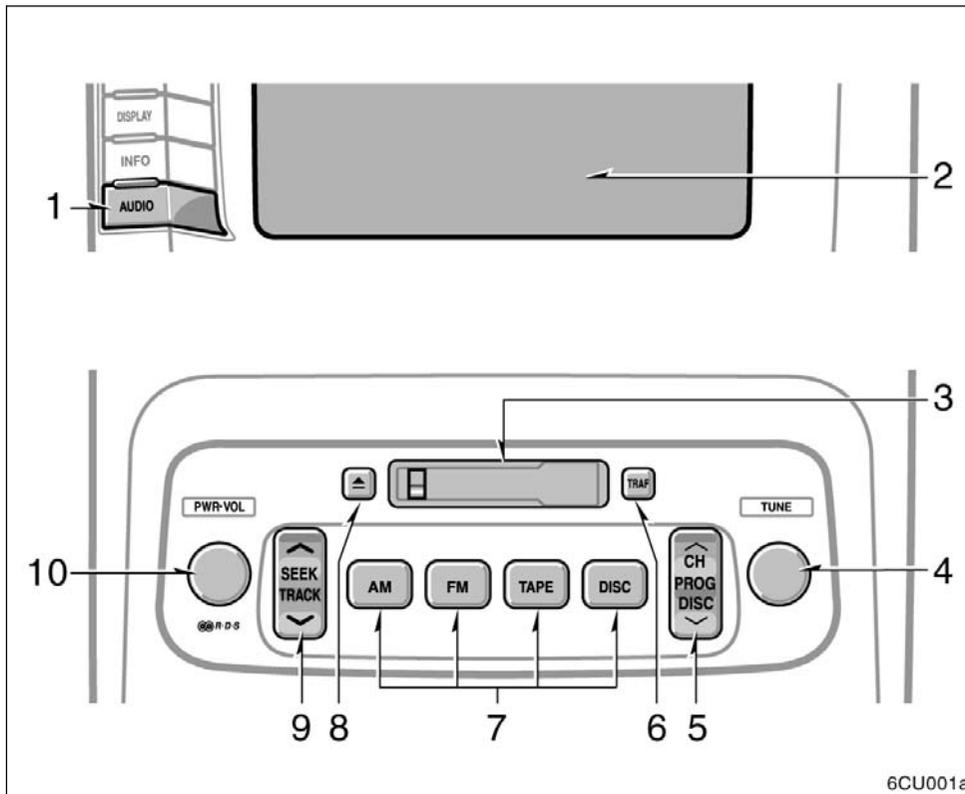
SECTION VI

AUDIO SYSTEM

Audio system	116
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Audio System
Quick reference for your audio system

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2. Function switch display screen 118
3. Cassette tape slot 125
4. Frequency turning knob 122
5. [Radio mode] Preset tuning ... 122
 [Tape mode] Side change of cassette tape 127
 [DISC mode] Disc selection ... 131
6. Traffic function button 123
7. Mode selectors 118
8. Stopping and ejecting a cassette tape 125
9. [Radio mode] Seek tuning 123
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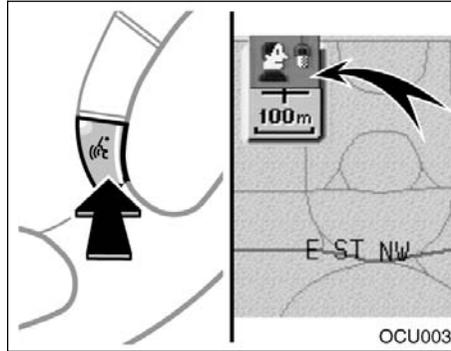
Using your audio system: some basics

This section describes some of the basic features of the audio system. Some information may not pertain to your system.

Your audio system works when the ignition key is in the "ACC" or "ON" position.

NOTICE

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



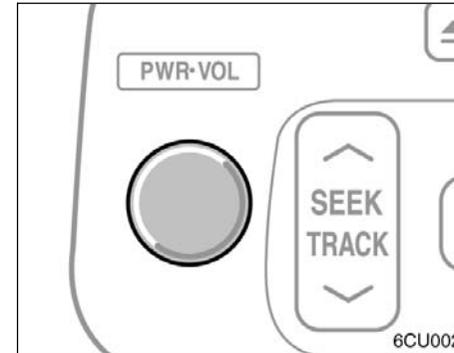
Speech command system



Some descriptions in this manual are marked with the above indicator. This means that this function can be activated using the speech command system.

For the operation of the speech command system and the command list, see page 98 and 151.

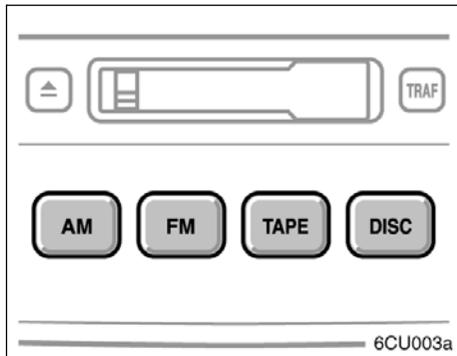
(a) Turning the system on and off



POWER-VOL: Push this knob to turn the audio system on and off. Turn this knob to adjust the volume. The system turns on in the last mode used.



AUDIO: Push this button to display switches for audio system.



Push the "AM", "FM", "TAPE" or "DISC" button to turn on that mode. The selected mode turns on directly.

Push these buttons if you want to switch from one mode to another.

If the tape or disc is not set, the cassette player or compact disc player does not turn on.

You can turn off the cassette player by ejecting the cassette tape. If the audio system was previously off, then the entire audio system will be turned off when you eject the cassette tape. If another function was previously playing, it will come on again.



The switches for radio, cassette tape and disc player operation are displayed on the liquid crystal display. Touch them lightly and directly on the screen.

(b) Automatic sound levelizer

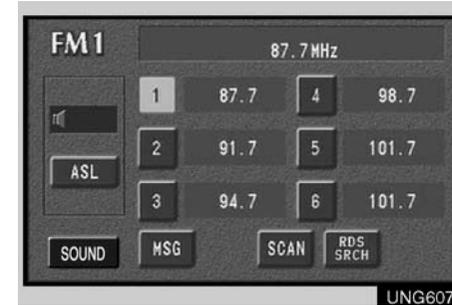
When the audio sound becomes difficult to be heard due to road noise, wind noise, etc. during driving, touch the "ASL" switch. The system adjusts to the optimum volume and tone quality according to the noise level.

(c) Tone and balance

How good an audio program sounds to you is largely determined by the mix of the treble, mid-range, and bass levels. In fact, different kinds of music and vocal programs usually sound better with different mixes of treble, mid-range, and bass.

A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

Keep in mind that if you are listening to a stereo recording or broadcast, changing the right/left balance will increase the volume of one group of sounds while decreasing the volume of another.



Touching the "SOUND" switch on the screen displays the sound adjustment screen.



BASS "+" or "-": Adjusts low-pitched tones.

MID "+" or "-": Adjusts mid-pitched tones.

TREB "+" or "-": Adjusts high-pitched tones.

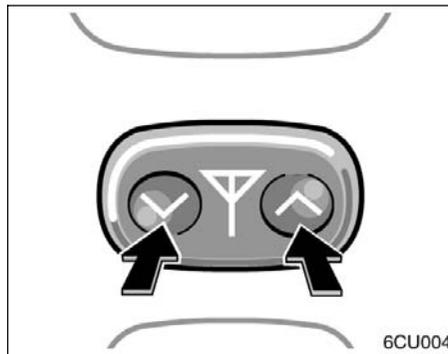
"Front" or "Rear": Adjusts sound balance between the front and rear speakers.

"L" or "R": Adjusts sound balance between the left and right speakers.

"OK": The previous screen returns.

(d) Your radio antenna

The antenna automatically extends when the radio is on or the radio RDS system is on, and retracts when the radio mode is off.



To adjust the height of the antenna manually, push the switch.

Clean the antenna mast periodically with a clean dry cloth.

NOTICE

- *To prevent damage to the antenna, make sure it is retracted before driving your vehicle through an automatic car wash.*
- *Antenna mast have to be extended higher than 100 mm (3.94 in) length when the audio is on. Extend the antenna mast when the radio signal is weak.*

CAUTION

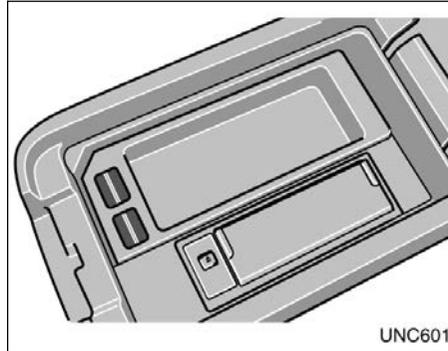
Before extending the antenna, confirm that no one is close enough to get injured.

(e) Your cassette player

When you insert a cassette, the exposed tape should be to the right.

NOTICE
Do not oil any part of the cassette player, and do not insert anything except a cassette tape into the slot.

(f) Your automatic changer



The player is intended for use with 12 cm (4.7 in.) discs only.

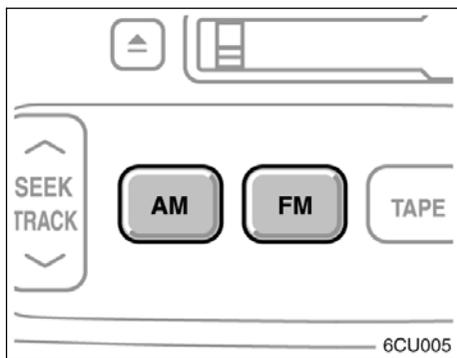
If your vehicle is equipped with an automatic changer, it can play selected discs or continuously play all the discs set in the magazine.

When you set discs into the magazine, make sure they face the correct way. If not, the player will display "DISC CHECK" and the disc number.

NOTICE
Never try to disassemble or oil any part of the automatic changer. Do not insert anything except a compact disc or DVD video disc into the magazine.

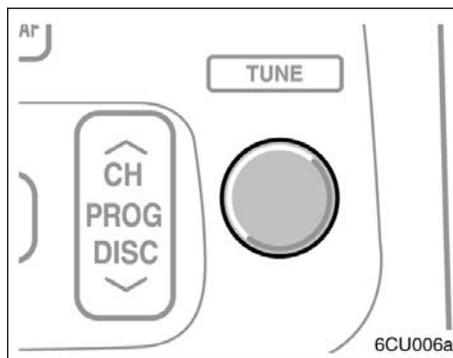
Radio operation

(a) Listening to the radio



Push these buttons to choose either an AM or FM station.

"AM", "FM1", "FM2" or "FM TYPE" appears on the display.



Turn this knob to step up the station band or to step down.

Your radio automatically changes to stereo reception when a stereo broadcast is received. "ST" appears on the display. If the signal becomes weak, the radio reduces the amount of channel separation to prevent the weak signal from creating noise. If the signal becomes extremely weak, the radio switches from stereo to mono reception. In this case, "ST" disappears from the display.

(b) Presetting a station



1. Tune in the desired station.

2. Touch one of the station selector switches (1-6) and hold it until a beep is heard. This sets the station to the switch and the frequency appears on the switch.

Each switch can store FM1, FM2 and AM. To change the preset station to a different one, follow the same procedure.

The preset station memory is cancelled when the power source is interrupted by battery disconnection or a blown fuse.

(c) Selecting a station

Your vehicle has an electronic tuning radio (ETR). Tune in the desired station using one of the following methods.

Preset tuning: Touch the switch (1–6) or push the “^” or “v” button of the “CH” button for the station you want. The switch (1–6) is highlighted in green and station frequency appears on the display.

Manual tuning: Turn the “TUNE” knob briefly. Each time you turn the knob, the radio will step up or down to another frequency.



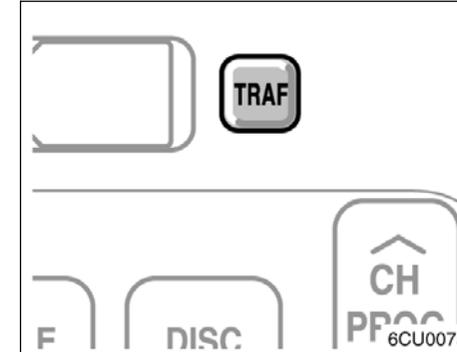
Seek tuning: Push the “^” or “v” button of the “SEEK” button and hold it until you hear a beep. The radio will begin seeking up or down for a station of the nearest frequency and will stop on reception. Each time you push the button, the stations will be searched out one after another.



Scan tuning: Touch the “SCAN” switch briefly. “SCAN” appears on the display. The radio will find the next station up or down the band, stay there for a few seconds, and then scan again. To select a station, touch the “SCAN” switch a second time.

Preset scan tuning: Touch the “SCAN” switch and hold it until you hear a beep. “P. SCAN” appears on the display. The radio will tune in the next preset station up or down the band, stay there for a few seconds, and then move to the next preset station. To select a station, touch the “SCAN” switch a second time.

(d) RDS (Radio Data System)



TRAF (Traffic) function: A station that regularly broadcasts traffic information is automatically sought.

When you push the “TRAF” button, “TRAF SEEK” appears on the display and the radio will start seeking any traffic program station.

If any traffic program station is not found, “NOTHING” appears and the previous mode returns.

If the traffic program station is found, the name for traffic program station is displayed and “TRAF” is lit for a while until traffic announcement is received.

(e) TYPE (Program type)



When you touch the "RDS SRCH" switch during FM reception, "RDS SEARCH" appears and the radio starts to search RDS station.

If any RDS station cannot be found, "NO RDS Stations Found" appears and the previous mode returns.

If RDS stations are found, the stations are read and preset by program type. The FM TYPE mode screen displays the "*** RDS Stations Found" (** indicates the number of stations which are found) and then RDS stations appear in the order of frequency.

If in one program type, more than 6 stations are found, the 6 stations are preset in the order of the lower frequency.

Each time you push the "◀" or "▶", the program type changes as in the following:

- ROCK
- EASY LIS (Easy listening)
- CLS/JAZZ (Classical music and Jazz)
- R&B (Rhythm and Blues)
- INFORM (Information)
- RELIGION
- MISC.
- ALERT (Emergency message)

(f) Radio text message



If "MSG" appears during FM reception, touching the "MSG" switch displays the message display screen which indicates the text message from the RDS station.



If a new message is received with the first text message on the display, "MSG" appears on the corner of the screen again. When you touch the "LATEST MESSAGE" switch, the new message appears.

The RDS audio system can store three messages consisting of 64 characters in memory. To store a message in memory, touch the "STORE" switch until you hear a beep.

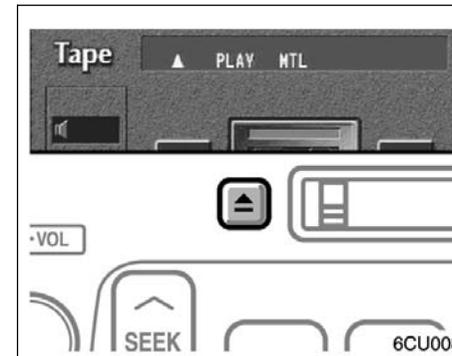
If 3 messages are already stored in memory, the oldest message will be overwritten by the new message.

To recall a radio text message, touch the "RECALL" switch. Each time you touch the switch, the available messages will be displayed beginning with the newest one.

When you touch the "OK" switch, the previous screen returns.

Cassette tape player operation

(a) Playing a cassette tape



When you insert a cassette tape, the exposed tape should face to the right.

The player will automatically start when you insert a cassette tape. At this time, "Tape" appears on the display.

If a metal or chrome equivalent cassette tape is put in the cassette player, the player will automatically recognize it and "MTL" appears on the display.

To stop or eject the cassette tape, push the "▲" button.



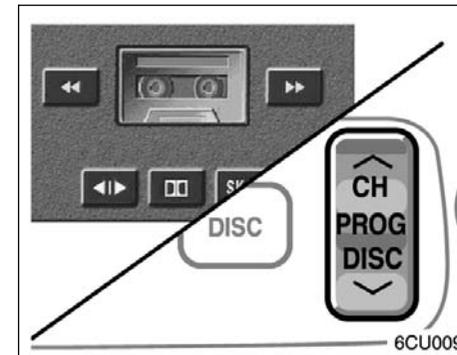
If a cassette is already in the slot, push the "TAPE" button.

Dolby® Noise Reduction* feature: If you are listening to a tape that was recorded with Dolby® B Noise Reduction, touch the switch marked with the double_D symbol. The "DD" switch will be highlighted in green. Touch the switch again to turn off Dolby® B NR.

The Dolby NR mode reduces tape noise by about 10 dB. For best sound reproduction, play your tapes with this switch on or off according to the mode used for recording the tape.

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

(b) Manual program selection



Reverse switch: You can reverse the tape by touching the "◀▶" switch or "PROG" button. The display will show the opposite direction after reversing the tape. Also if the tape reaches the end of one side, it is automatically reversed to the other side.



Fast forward and Rewind switches: You can fast forward or fast rewind by touching the "◀◀" or "▶▶" switch.

To stop the tape while it is fast forwarding, touch "▶▶", to stop the tape while it is rewinding, touch "◀◀".

If a tape rewinds completely, the cassette player will stop and then play the same side. If a tape fast forwards completely, the cassette player will play the other side of the tape using the auto-reverse feature.

Auto-reverse feature: After the cassette player reaches the end of a tape, it automatically reverses and begins to play the other side, regardless of whether the cassette was playing or fast forwarding.

(c) Automatic program selection



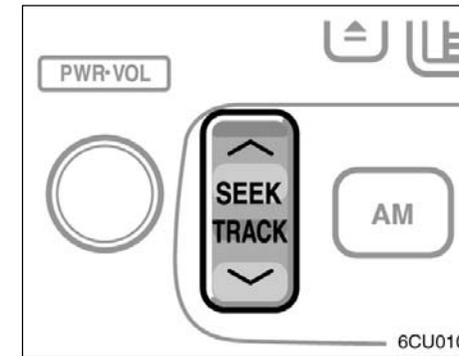
"RPT" switch: The repeat feature automatically replays the current program.

Touch the "RPT" switch while the program is playing. When the program ends, it will automatically be rewound and replayed. Touch the switch again to turn off the repeat feature.

There must be at least 3 seconds of blank space between programs for the repeat feature to work correctly.

"SKIP" switch: The skip feature allows you to fast forward past long stretches of blank tape. This is especially useful at the end of cassettes.

Touch the "SKIP" switch. The player will automatically skip any blank portions of 15 seconds or more and play the next program. To cancel it, touch the switch once again.



"Automatic program selection" button: The automatic program selection feature allows you to program your cassette player to skip forward or backward to locate the song you want to hear. You can skip up to 9 programs at a time.

Push this button on the upper side to skip forward. "FF" and the number will appear on the display. Push the button until the number you want to skip appears on the display. After that, the player will automatically skip forward.

When the end of the tape is reached, the player automatically reverses sides and resumes normal play.

Push this button on the lower side to skip backward. Push the button until "REW" and the number you want to skip appear on the display.

- If you set "REW 1", the player will rewind to the beginning of the current program.
- When counting the number of programs you want to rewind, remember to count the current program as well. For example, if you want to rewind to a song that is two before the song you are listening to, push this button until "REW 3" appears on the display.

When the beginning of the tape is reached, the player automatically resumes normal play.

There must be at least 5 seconds of blank space between programs for this feature to work correctly.

"RPT", "SKIP" or "Automatic program selection" features: These features may not work well with some spoken word, live or classical recordings.

DVD player operation

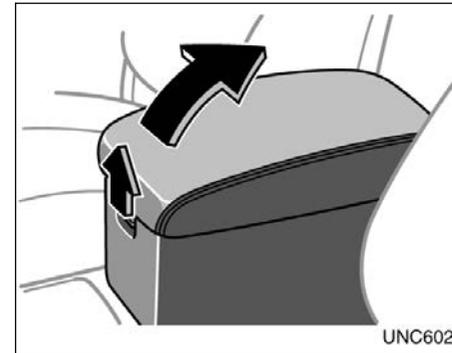
The DVD player can play audio CDs, DVD video discs and video CDs.

For appropriate discs for this player, see "Car audio/video system operating hints" on page 146.

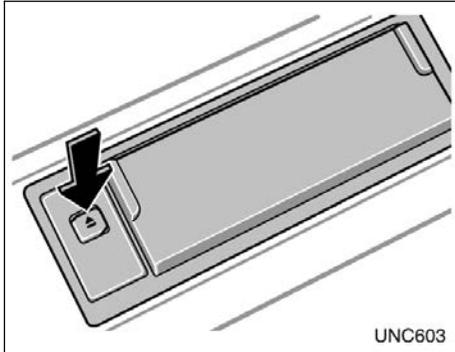
For safety reasons, you can enjoy DVD video discs and video CDs only when the vehicle is completely stopped with the ignition switch in the "ACC" or "ON" position and the parking brake applied. While you are driving, you can hear audio alone even in the DVD video or video CD mode.

The DVD player can play the discs labeled as shown below.

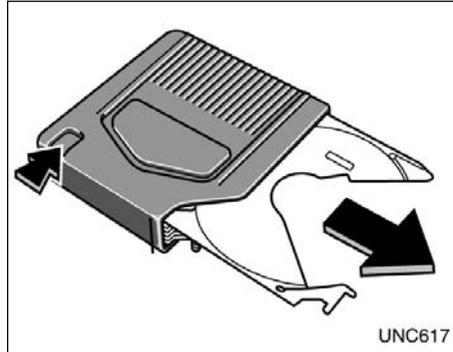
(a) Inserting discs



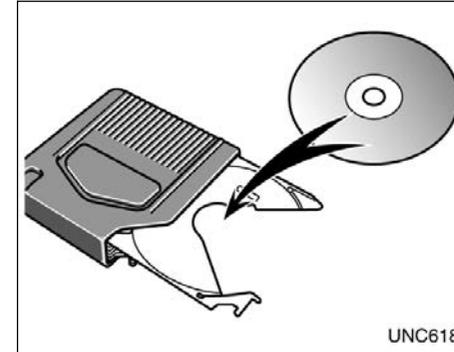
1. Pull the lock release lever and open the console box.



2. Push this button to eject the magazine.



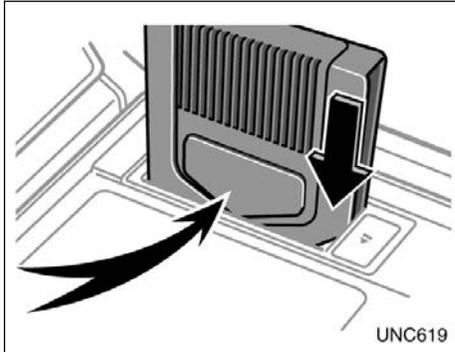
3. Pull out the tray while pushing the lock release button.



4. Put a disc on the tray with its label face up and push the tray back into the magazine.

If the label faces down, the disc cannot be played. In this case, "DISC CHECK" and disc number appears on the display.

If a disc which is not playable is inserted, "DISC CHECK" will also appear on the screen. For appropriate discs for this paper, see "Car audio/video system operating hints" on page 146.

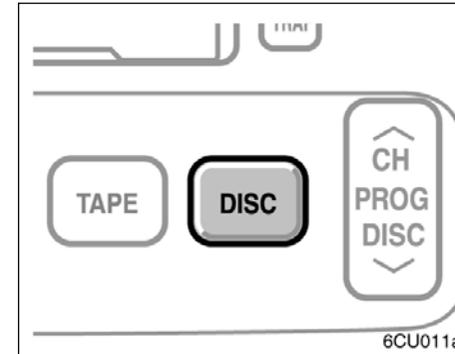


5. Insert the magazine into the player as indicated by the arrow ahead on the magazine, close the door and console box.

When the magazine is set completely, the system will be in a "Load" cycle for approximately 30 seconds while the system searches for discs in the magazine. Upon completion of this cycle, the DVD player unit will be ready to play. If the "DISC" button is pushed during the "Load" cycle, "LOAD" appears on the display until the system has completed the load cycle, after which the system will begin normal play.



(b) Playing a disc

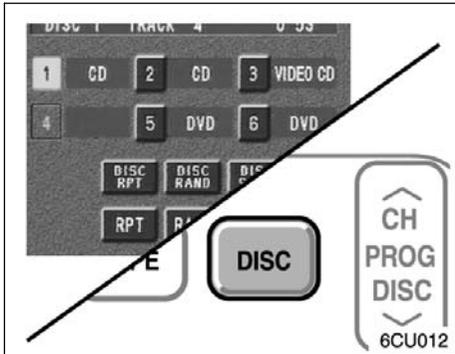


Push the "DISC" button if the magazine is already loaded in the player.

"DVD CHANGER" appears on the display.

The discs set in the magazine are played continuously, starting with disc number 1. The disc number of the disc currently being played, the track number and the time from the beginning of the program are shown on the display.

(c) Selecting a desired disc



On the screen: Touch the desired disc number.

The selected disc number is highlighted in green.

The player will start playing the selected disc from the first track.



On the audio panel: Push the “^” or “v” side of the “DISC” button.

When you release the button, the player will start playing the selected disc from the first track.

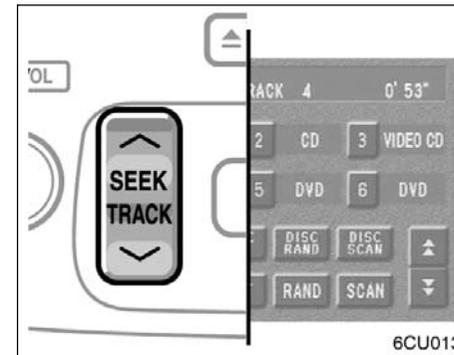
(d) Operating an audio CD

(i) Playing an audio CD



Push the “AUDIO” button to display this screen. You can operate the switches and choose the number of the disc you want to play. The selected disc is automatically played.

(ii) Selecting a desired track



“TRACK” button: Use for direct access to a desired track.

Push either side of the “TRACK” button and hold it until the desired track number appears on the display. As you release the button, the player will start playing the selected track from the beginning.

Fast forward: Touch the “▲” switch and hold it to fast forward the disc. When you release the switch, the player will resume playing from that position.

Reverse: Touch the “▼” switch and hold it to reverse the disc. When you release the switch, the player will resume playing.

(iii) Searching for a desired track or a disc



Touch the “SCAN” switch.

“SCAN” will be highlighted in green. The player will play the next track for 10 seconds, then scan again. To select a track, touch the “SCAN” switch a second time. If the player reaches the end of the disc, it will continue scanning at track 1.

Touch the “DISC SCAN” switch.

“DISC SCAN” will be highlighted in green. The program at the beginning of each disc will be played for 10 seconds. To continue listening to the program of your choice, touch the “DISC SCAN” switch a second time.

After all the audio disc are scanned in one pass, normal play resumes.

(iv) Other functions



“RPT” switch: Use it for automatic repeat of the track you are currently listening to.

Touch the switch while the track is playing. When the track is finished, the player will automatically go back to the beginning of the track and play the track again. To cancel it, touch the switch once again.

“DISC RPT” switch: Use it for automatic repeat of the disc you are currently listening to.

Touch the switch while the disc is playing. When the disc is finished, the player will automatically go back to the beginning of the disc and play the disc again. To cancel it, touch the switch once again.

“RAND” switch: Use it for automatic and random selection of the disc which you are currently listening to.

When the switch is touched, the system selects a track in the disc you are currently listening to. To cancel it, touch the switch once again.

“DISC RAND” switch: Use it for automatic track selection for all the audio discs and play by the system.

When the switch is touched, the system selects a track in all the audio discs in the magazine which is set and plays it. To cancel it, touch the switch once again.

“TITLE” switch: Use it for displaying the song title and track number while the CD-TEXT disc is playing.

The switch is not displayed on the screen while the CD-TEXT disc is not playing. Up to 29 letters can be displayed. To cancel it, touch the “TITLE OFF” switch.

(e) Operating a DVD video disc

NOTE: The playback condition of some DVD video discs may be determined by a DVD video 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 video disc separately provided. For the detailed information about DVD video discs, see “(h) DVD player and DVD video disc information”.

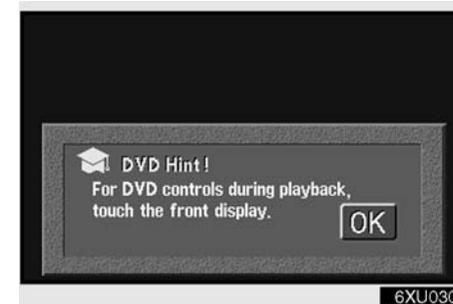
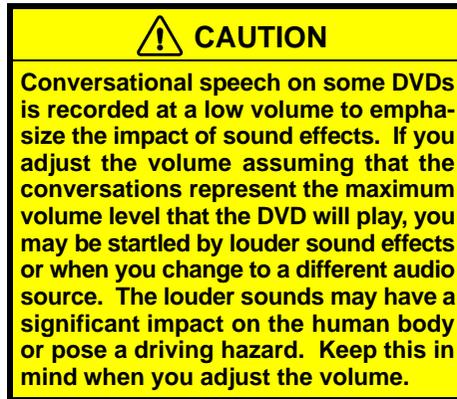
Precautions on DVD video disc

When recording with a DVD video 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 next CD will be selected and playback will begin automatically.
- If a DVD video or video CD is playing, playback will stop or the menu screen will be displayed. The next disc will not play back automatically. (Audio tracks cannot be heard while the disc is stopped)

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



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

Touch the "OK" switch when you read the message.

(i) Playing a DVD video disc



Push the "AUDIO" button to display this screen. You can operate the switches and choose the number of the disc you want to play. The selected disc is automatically played.

When you touch the "PICTURE" switch, the video screen returns.

(ii) Displaying operation switches



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

"Second Page" switch: Use this switch to display the operation switches on the second page.

"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 a switch, the operation relevant to the switch is not permitted.

(iii) Description of each switch

● Switches on top page

“Menu” and “Top Menu” switches: If you touch any of the above switches, the menu screen for DVD video appears. (For the operation, see the manual that come with the DVD video disc provided separately.)

“” switch: The menu control key appears on the screen. (See page 136.)

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

“” switch: Touch this switch to fast reverse during playback and reverse slowly during pause.

“” switch: Use this switch to resume normal play after stop or pause.

“” switch: Touch this switch to fast forward during playback and forward slowly during pause.

● Switches on second page

“Set Up” switch: The initial set up screen appears. (See page 138.)

“Search” switch: The title search screen appears. (See page 137.)

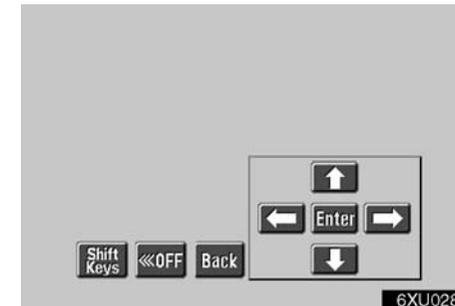
“Return” switch: Use this switch to display the predetermined scene and start playing from there.

“Audio” switch: The audio changing screen appears. (See page 137.)

“Sub Title” switch: The subtitle changing screen appears. (See page 137.)

“Angle” switch: The angle selection screen appears. (See page 138.)

(iv) Selecting a menu item



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

Each you push “Shift Keys” switch, the switches on the screen move upward and downward.

When you push “OFF” switch, the displayed switches do not display. To display them again, push “ON” switch.

Touch “Back”, the previous screen returns.

(v) Searching by title



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

When you push “^” or “v” on the “TRACK” switch, you can select a chapter.

Touch “Back”, the previous screen returns.

(vi) 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”.

Touch “Back”, the previous screen returns.

(vii) Changing the audio language



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

Touch “Back”, the previous screen returns.

(viii) Changing the angle



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

Each time you touch “Angle”, the angle changes.

Touch “Back”, the previous screen returns.

(ix) Setup menu



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 and “Enter”.

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 “(x) 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 and “Enter”.

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 “(x) Entry of language code”.

- 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 and “Enter”.

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 “(x) Entry of language code”.

- **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 display turns on or off alternately.

- **Parental**

The level of viewer restrictions can be changed.

1. Touch "Parental".

2. Touch the numbers of your personal code on the "Enter personal code" screen and touch "Enter". If you enter the wrong numbers, touch "Clear" to delete the numbers.

10 touches of "Clear" will initialize the personal code.

3. Touch a parental level (1-8) on the "Select Restriction Level" and "Enter".

When you touch "Initial", all the settings except "Parental" of this menu will be initialized.

(x) 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. Touch the numbers of the 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
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
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

(f) Operating a video CD

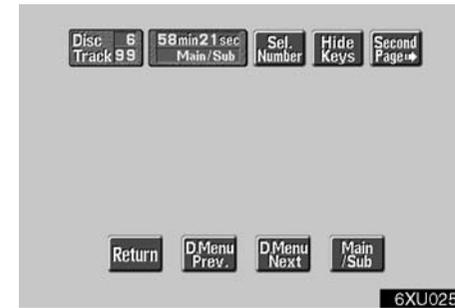
(i) Playing a video CD



Push the "AUDIO" button to display this screen. You can operate the switches and choose the number of the disc you want to play.

When you touch the "PICTURE" switch, the video screen returns.

(ii) 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.

“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.

(iii) Description of each switch

● Switches on top page

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

“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.

● Switches on second page

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

(iv) Searching by track



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

You can select a track number by pushing “^” or “v” on the “TRACK” button.

Touch “Back”, the previous screen returns.

(g) If the player malfunctions

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

If “DISC CHECK” appears on the display: It indicates that the disc dirty, damaged, or it was inserted up-side down. Clean the disc or insert it correctly.

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 DOOR OPEN” appears on the display: It indicates that the door of the DVD player is open.

If “DVD ERROR” appears on the display: It indicates that the inside of the player unit may be too hot due to the very high ambient temperature. Remove the magazine from the player and allow the player to cool down.

If “NO DVD MAGAZINE” appears on the display: It indicates that the magazine is not inserted into the DVD player.

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

(h) 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 formats such as PAL or SE-CAM 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.

Marks shown on DVD video discs:

NTSC	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 144.

Audio: This DVD player can play linear PCM and 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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Car audio/video system operating hints

NOTICE

To ensure correct audio/video system operation:

- *Be careful not to spill beverages over the audio system.*
- *Do not put anything other than a cassette tape or magazine into the cassette tape slot or DVD player.*
- *The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio system which you are listening to. However, this does not indicate a malfunction.*

Radio reception

Usually, the problem with radio reception does not mean there is a problem with your radio – it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or telephone wires can interfere with AM signals. And of course, radio signals have a limited range, and the farther you are from a station, the weaker its signal will be. In addition, reception conditions change constantly as your vehicle moves.

Here are some common reception problems that probably do not indicate a problem with your radio:

FM

Fading and drifting stations – Generally, the effective range of FM is about 40 km (25 miles). Once outside this range, you may notice fading and drifting, which increase with the distance from the radio transmitter. They are often accompanied by distortion.

Multi-path – FM signals are reflective, making it possible for two signals to reach your antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

Static and fluttering – These occur when signals are blocked by buildings, trees, or other large objects. Increasing the bass level may reduce static and fluttering.

Station swapping – If the FM signal you are listening to is interrupted or weakened, and there is another strong station nearby on the FM band, your radio may tune in the second station until the original signal can be picked up again.

AM

Fading – AM broadcasts are reflected by the upper atmosphere – especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

Station interference – When a reflected signal and a signal received directly from a radio station are very nearly the same frequency, they can interfere with each other, making it difficult to hear the broadcast.

Static – AM is easily affected by external sources of electrical noise, such as high tension power lines, lightening, or electrical motors. This results in static.

Caring for your cassette player and tapes

For high performance from your cassette player and tapes:

Clean the tape head and other parts regularly.

- A dirty tape head or tape path can decrease sound quality and tangle your cassette tapes. The easiest way to clean them is by using a cleaning tape. (A wet type is recommended.)

Use high-quality cassettes:

- Low-quality cassette tapes can cause many problems, including poor sound, inconsistent playing speed, and constant auto-reversing. They can also get stuck or tangled in the cassette player.
- Do not use a cassette if it has been damaged or tangled or if its label is peeling off.
- Do not leave a cassette in the player if you are not listening to it, especially if it is hot outside.
- Store cassettes in their cases and out of direct sunlight.
- Avoid using cassettes with a total playing time longer than 100 minutes (50 minutes per side). The tape used in these cassettes is thin and could get stuck or tangled in the cassette player.

Caring for your DVD player and discs

- The player is intended for use with 12 cm (4.7 in.) discs only.
- Extremely high temperature can keep your DVD player from working. On hot days, use air conditioning to cool the vehicle interior before you listen to a disc.
- Bumpy roads or other vibrations may make your multi-disc player skip.
- If moisture gets into your DVD player, you may not hear any sound even though your DVD player appears to be working. Remove the magazine from the player and wait until it dries.

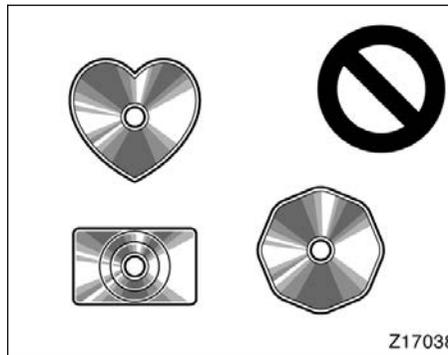


Audio CDs	 
DVD video discs	 
Video CDs	 

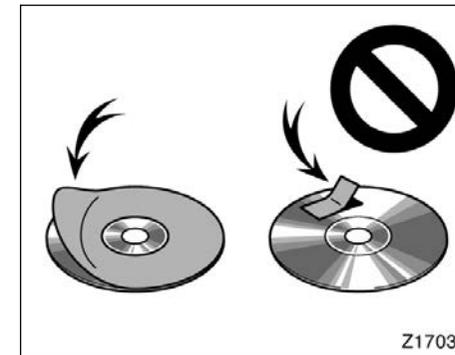
DVD player

- Use only compact discs marked as shown above. The following products may not be playable on your compact disc player.

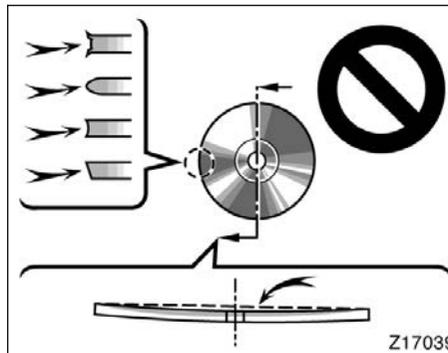
SACD dts-CD
 Copy-protected CD
 CD-R(CD-Recordable)
 CD-RW(CD-Re-writable)
 CD-ROM
 DVD-R
 DVD+R
 DVD-RW
 DVD+RW
 DVD-ROM
 DVD-RAM



► Special shaped discs



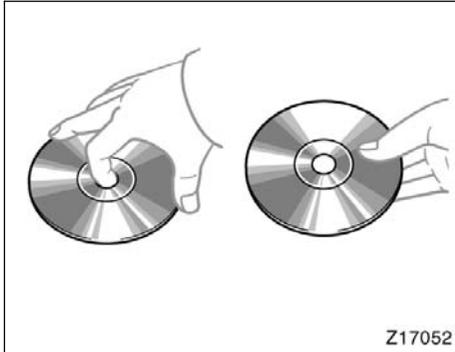
► Labeled discs



► Low quality disc

NOTICE

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



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.

- 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.)
- Remove discs from the DVD player when you are not listening to them. Store them in their plastic cases away from moisture, heat, and direct sunlight.

SECTION VII

APPENDIX

Speech command list 152

Speech command list

Map Operation1

Command	Action
Current Position Current Location Map	Shows current position map.
Zoom IN	Zooms in.
Zoom OUT	Zooms out.
Maximum Scale	Shows maximum scale.
Minimum Scale	Shows minimum scale.
Right Map Zoom In	Zooms right map in.
Right Map Zoom Out	Zooms right map out.
Right Map Minimum Scale	Shows right map minimum scale.
Right Map Maximum Scale	Shows right map maximum scale.
North Up Change to North Up	Changes map bearing to north up.
Heading Up Change to Heading Up	Changes map bearing to heading up.
Map Direction Change Map Direction	Changes map bearing to another direction.

Right Map North Up	Changes right map bearing to north up.
Right Map Heading Up	Changes right map bearing to heading up.
Right Map Direction	Changes right map bearing to another direction.
Dual Map Change to Dual Map	Changes map to dual mode.
Single Map Change to Single Map	Changes map to single mode.

Map Operation 2—To register a point

Command	Action
Mark This Point Mark	Registers this point as a marked point.

Map Operation 3—To change the guidance mode

Command	Action
Arrow Guide Arrow Guidance Change to Arrow Guide Change to Arrow Guidance	Changes guidance screen to arrow mode.

Turn List Guide Turn List Guidance Change to Turn List Guide Change to Turn List Guidance	Changes guidance screen to turn list mode.
Map Guide Map Guidance Change to Map Guide Change to Map Guidance	Changes guidance screen to map mode.

Destination 1

Command	Action
Go Home Home	Calculates route to home.
Go to Starting Point Previous Starting Point	Calculates route to previous starting point.

Preset Destination Number One Preset Destination one Go to Preset Destination Number One Go to Preset Destination One	Calculates route to preset destination 1.
Preset Destination Number Two Preset Destination Two Go to Preset Destination Number Two Go to Preset Destination Two	Calculates route to preset destination 2.
Preset Destination Number Three Preset Destination Three Go to Preset Destination Number Three Go to Preset Destination Three	Calculates route to preset destination 3.

Preset Destination Number Four Preset Destination Four Go to Preset Destination Number Four Go to Preset Destination Four	Calculates route to preset destination 4.
Preset Destination Number Five Preset Destination Five Go to Preset Destination Number Five Go to Preset Destination Five	Calculates route to preset destination 5.

Destination 2—To enter a destination from the list

Command	Action
Go to Previous Destination Previous Destination	Shows previous destination list.

Number One One	Calculates route to previous destination 1.
Number Two Two	Calculates route to previous destination 2.

Number Three Three	Calculates route to previous destination 3.
Number Four Four	Calculates route to previous destination 4.
Number Five Five	Calculates route to previous destination 5.

Route Change

Command	Action
Delete Next Destination Cancel Next Destination	Deletes next destination and re-route.
Delete Final Destination Cancel Final Destination	Deletes final destination and re-route.
Delete All Destinations Cancel All Destinations	Deletes all destinations and re-route.
Reroute	Changes the route.
Detour	Calculates 5 miles detour route.
Detour Entire Route	Calculates alternate route.
Suspend Guidance Stop Guidance	Suspends the guidance.

Resume Guidance	Resumes the guidance.
Start Guidance	

To reply for confirmation step

Command	_____
Yes	Reply for if command is executed or not.
No	

Guidance Help

Command	Action
Repeat Guidance Repeat Voice	Repeats voice guidance.
Entire Route Map Entire Route Route Overview	Shows entire route.
Next Destination Map	Shows position of next destination.
First Destination Map	Shows position of first destination.
Second Destination Map	Shows position of second destination.

Third Destination Map	Shows position of third destination.
Fourth Destination Map	Shows position of fourth destination.
Fifth Destination Map	Shows position of fifth destination.
Final Destination Map	Shows position of final destination.

Volume—To change the Volume

Command	Action
Louder	Turns volume up 1 level.
Softer	Turns volume down 1 level.
Voice Guidance OFF	Turns voice guidance off.
Voice Guidance ON	Turns voice guidance on.

POI display on the map

	Automobile Club Triple A
	Auto Service & Maintenance Auto Service
	Gas Station Gas
	LEXUS Dealership LEXUS Dealer
	Parking Garage
	Parking Lot
	TOYOTA Dealership TOYOTA Dealer

	ATM
	Bank
	City Hall
	Civic Center Community Center
	Convention Center Exhibition Center
	Court House
	Higher Education University College

	Hospital
	Library
	Police Station
	School
	Amusement Park
	Casino
	Golf Course

	Marina
	Museum
	Park & Recreation Parks & Recreation
	Performing Arts
	Ski Resort Skiing
	Sports Complex Stadium
	Tourist Attraction

	Winery
	Restaurant I'm Hungry
	American Restaurant American Food
	Chinese Restaurant Chinese Food
	Continental Restaurant Continental Food
	French Restaurant French Food
	Italian Restaurant Italian Food

	Japanese Restaurant Japanese Food
	Mexican Restaurant Mexican Food
	Seafood Restaurant Seafood
	Other Restaurant Other Food
	Grocery Store
	Shopping Mall Shopping
	Airport

	Bus Station
	Commuter Rail Station
	Ferry Terminal
	Historical Monument
	Hotel
	Park & Ride
	Rental Car Agency

	Rest Area Rest Stop
	Tourist Information
	Train Station
	Business Facility
	City Center
Delete	POI Off

Audio mode change

Command	Action
Radio	Changes to Radio mode.
AM	Changes to AM mode.
FM	Changes to FM mode.
FM 1	Changes to FM 1 mode.
FM 2	Changes to FM 2 mode.
DVD Changer	Changes to DVD Changer mode.
CD Changer 1*	Changes to CD Changer 1 mode.
CD Changer 2*	Changes to CD Changer 2 mode.
Cassette	Changes to Tape Changer mode.
Tape	
Audio On	Turns audio on.
Audio Off	Turns audio off.

* The command can be used only when you connect the other CD changer.

Radio operation

Command	Action
Seek Up	Seeks Up.
Seek Down	Seeks Down.

Tape operation

Command	Action
Fast Forward	Fast forwards the tape.
Rewind	Rewinds the tape.
Reverse	Reverses the tape.
Program	
Next Track	Plays Next track.
Previous Track	Plays Previous track.
Skip Backward	Plays Skip backward.

Changer operation

Command	Action
Track Up*	Plays next track.
Track Down*	Plays current track.
Previous Track*	Plays previous track.
Disc Up	Changes to next disc.
Next Disc	
Disc Down	Changes to previous disc.
Previous Disc	

*CD operation only

Help operation

Command	Action
Help	Shows help command list.
Map	Gives the available command.
Destination	Gives the available command.
Guidance	Gives the available command.
Radio	Gives the available command.
Tape	Gives the available command.
Disc	Gives the available command.
Map Help	Gives the available command.
Destination Help	Gives the available command.
Guidance Help	Gives the available command.
Radio Help	Gives the available command.
Tape Help	Gives the available command.
Disc Help	Gives the available command.