

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 and GDT maps. 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 about 50 point of interest categories to allow you to easily select destinations such as restaurants and hotels. 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 45 through 47.

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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 which 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
<i>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.</i>

INFORMATION
<i>This provides additional information.</i>

Initial screen



When you start the engine or turn the ignition switch to “ACC”, the initial “VOICE NAVIGATION” 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.



Please read it and follow the instructions.

If a screen other than for the navigation system is displayed, the current screen would change to the “CAUTION” screen by pushing the “NAV” button.

When you push the “ENT” button to indicate “I agree” switch on the display, the next screen appears.

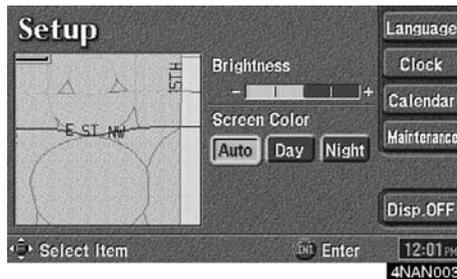
Corolla_MATRIX_Navi_U (L/O 0208)

On this screen, you can select the language shown on the screen. Select your desired switch on the screen.

“Eng”: English

“Fr”: French

You can also select the language by the following procedure.



1. Push the “**SETUP**” button. Push the “**Language**” button to display the “**CAUTION**” screen.



2. Select your desired language and push the “**ENT**” button.

“Eng”: English

“Fr”: French

3. Select “**I agree**” switch and push the “**ENT**” button.

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 Owner's 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.**

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

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

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

We recommend that you obtain updated map data, when it becomes available, in order to help use the system as effectively and safely as possible.

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

Symbols, Switches and Buttons

North-up symbol and scale of map
Indicates north on the map. The figure also indicates the map scale. For details, see pages 42 through 43.

“PWR/VOL” knob
Push this knob to turn the navigation system on and off. For details, see page 2.

“NAV” button
Push this button to turn the navigation screen on. When this button is pressed while the navigation screen is displayed, it functions in the same way as the “MAP” button.

“GPS” mark (Global Positioning System)
Whenever your vehicle is receiving signals from the GPS, this mark is displayed. For details, see page 45.

“SETUP” button
Push this button to display the “Setup” screen. This screen allows you to make adjustments or correct settings of various options and functions.

“ENT” button/select and scroll lever
In case of selecting the function and letters or moving cursor, press the lever to one direction out of 8 directions. In case of deciding the function after selecting it on the screen, push the lever as a button.

Eject button
Push this button to eject a DVD-ROM.

DVD-ROM slot
Put a map data DVD-ROM into the slot.

“MAP” button
Push this button to repeat a guidance voice, cancel the map scroll and start a guidance. For details, see page 31.

“DEST” button
Push this button to display the “Destinations” screen. For details, see page 4.

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

Zoom in button
This button magnifies the map scale. For details, see page 42.

Zoom out button
This button reduces the map scale. For details, see page 42.

“BACK” button
Push this button when to call out the previous screen.

Clock
The digital clock indicates the time. For details, see page 90.



Current vehicle position mark
To indicate the current position. For details, see page 31.

Distance and time to destination
Displays the distance and the estimated travel time to the destination. The direction will be indicated when your vehicle is off the route. For details, see page 26.

Operation guide
To display the switch function on each screen.

0NAN012



Map orient **Changing the map direction**

When the dual screen is displayed, the left screen can be switched to “North-up”/“Heading-up”.

POI **Display of Point of Interest**

Symbols such as restaurants and hotels, etc. can be displayed on the screen. For details, see page 38.

Chg.route **Changing the route guidance**

When you select this switch, the “Change route” screen will appear. For details, see page 26.

Mark **Quick Registration of marked point**

To register the current vehicle position as a marked point. For details, see page 55.

Right screen **Changing the map direction and Point of Interest display on the right screen**

When the map display is shown on the dual screens, select this to call out the editing menu (screen) on the right screen.



“Heading-up” symbol and scale of map

On the map, the vehicle travel direction is up. The red arrow indicates the north.

INFORMATION

- *The display may be tinged in purple due to the reflection of sunlight, but this is not a malfunction.*
- *The displayed image may become darker and moving images may be slightly distorted when the display is cold.*

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SECTION I

BASIC FUNCTIONS

Descriptions of basic operations in frequent use

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Your navigation system

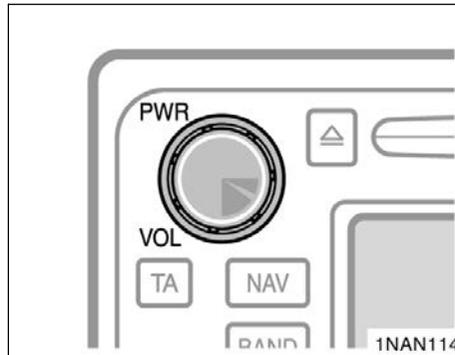
INFORMATION

This navigation unit has a thermal shut down system. When the temperature of the unit becomes extremely high, the unit automatically shuts down with a beep and warning message. When the unit cools down enough, it automatically returns to operation.

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

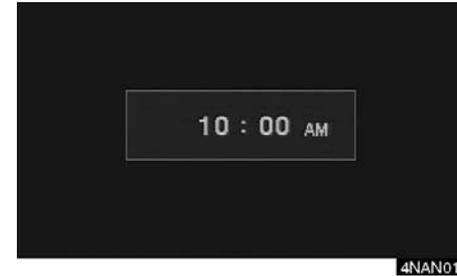
NOTICE

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



Turning the system on and off

"PWR/VOL": Push this knob to turn the navigation system on and off. The system turns on in the last mode used.



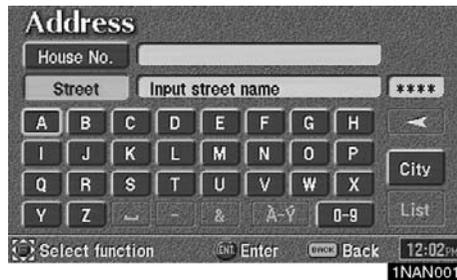
When using the navigation system, if you push the **"PWR/VOL"** knob, the clock screen is always displayed.

Even after the ignition switch is turned off, if you push the **"PWR/VOL"** knob, the clock screen is displayed for a few seconds.

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Inputting letters and numbers

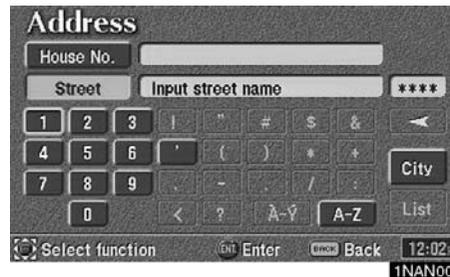
The navigation system can be operated by buttons on the bezel. To input letters and/or numbers, move the select and scroll lever to the 8 directions, and when the letter or number you wish to input is lit up, push the “ENT” button. A beep sound is heard, and the letter or number is input. Repeat this procedure to input the name or number, etc.



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

Selecting the “List” switch on the screen, the screen will be changed to display the database items that match the name or address that you have entered on the screen. The number of matching items is shown to the right side of the screen.

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



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



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

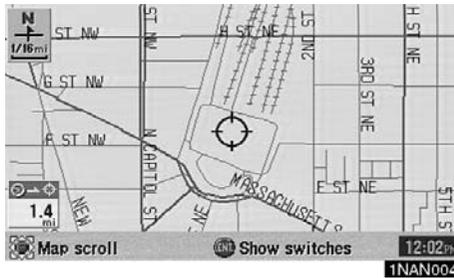


This expresses a displayed screen position.

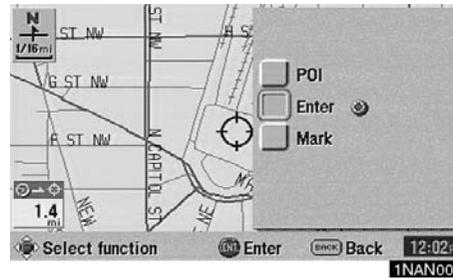
- ▶ If a ▶ or a ◀ appears to the right or left of the item name, the complete name is too long for the display. Select the ▶ or ◀ switch, and the name will scroll to the end or beginning of its name.

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How to move the cursor



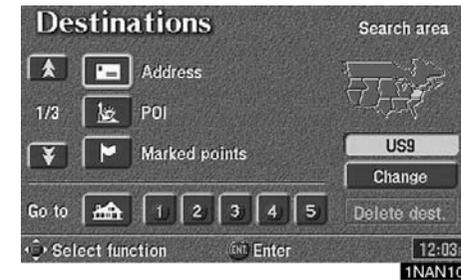
1. Move the cursor  to the desired point by operating the select and scroll lever. When you release the lever, scrolling stops.



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

Destination input

Push the "DEST" button and the "Destinations" screen appears.

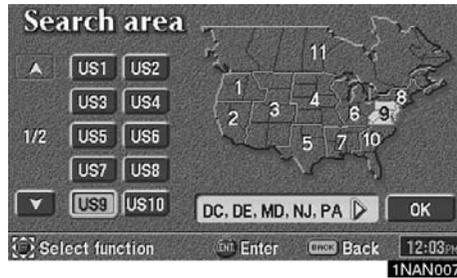


The "Destinations" screen allows you to select the area to be searched for your destination.

-  To shift to the next or previous page.
-  To shift to the next or previous page.

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

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Select an area by the select and scroll lever to select the search area. Select the “OK” switch and push the “ENT” button, and the “Destinations” screen returns.

United States of America

US1	Idaho
	Oregon
	Washington
US2	California
	Nevada
US3	Arizona
	Colorado
	Montana
	New Mexico
	Utah
US4	Wyoming
	Iowa
	Kansas
	Minnesota
	Missouri
	Nebraska
US5	North Dakota
	South Dakota

US5	Oklahoma
	Texas
US6	Illinois
	Indiana
	Kentucky
	Michigan
	Ohio
US7	Wisconsin
	Alabama
	Arkansas
	Louisiana
	Mississippi
	Tennessee

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US8	Connecticut
	Maine
	Massachusetts
	New Hampshire
	New Jersey
	New York
	Rhode Island
	Vermont
US9	Delaware
	Maryland
	New Jersey
	Pennsylvania
	Virginia
	Washington, D.C.
	West Virginia
US10	Florida
	Georgia
	North Carolina
	South Carolina

CANADA

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

Once you choose the area to search, you can use one of 11 different methods to enter your destination. See pages 8 through 23 for the detailed steps.

1. **By “Address”:** You can input the house number and the street address by using the input keys. See page 8 for the detailed steps.
2. **By “Point of interest” (POI):** You can select one of the many points of interest that have been already stored in the system’s database. There are about 50 categories to choose from, including restaurants, hotels and so on. See page 11 for the detailed steps.
3. **By “Marked points”:** You can select your own favorite destinations as “Marked points”. The system allows you to store up 100 marked points. See page 17 for the detailed steps.
4. **By “Previous destination”:** You can select a destination from any of the last 20 previously set destinations. See page 18 for the detailed steps.
5. **By “Emergency”:** You can select one of the two points of emergency service points that have been already stored in the system’s database. See page 18 for the detailed steps.
6. **By “Intersection”:** You can enter the names of two intersecting streets. This is helpful if you do not know the specific street address of your destination but know the general vicinity. See page 19 for the detailed steps.

7. By **“Previous start point”**: You can enter a point where the system has started to guide last time. See page 22 for the detailed steps.
8. By **“Freeway Ent./Exit”**: You can enter the name of the freeway (interstate) entrance or exit. See page 20 for the detailed steps.
9. By **“Map selection”**: You can select a destination simply by selecting the location on the displayed map. See page 22 for the detailed steps.
10. By **“Preset destination (①~⑤)”**: You can choose the destination by selecting one of the preset destination switch. In this case, it is necessary to register your desired destination beforehand. See page 23 for the detailed steps.
11. By **“ (home)”**: You can select your own home without entering the address each time. In this case, it is necessary to register your home beforehand. See page 23 for the detailed steps.

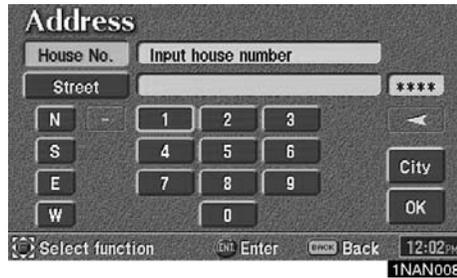
INFORMATION
<ul style="list-style-type: none"> ● <i>When inputting the destination, the response to the switch may be slow.</i> ● <i>“Points of interest” are mainly registered in “Detailed map coverage areas”. The registration is made based on the NavTech “Standard POI Inclusion List”.</i> ● <i>If there is no point registered, switches such as “Marked points”, “Home”, “Previous destination” and “Previous starting point” are dimmed and not available.</i> ● <i>The route for returning may not be the same as that for going.</i> ● <i>The route guidance to the destination may not be the shortest route or a route without traffic congestion.</i> ● <i>Route guidance may not be available if there is no road data for the specified location.</i> ● <i>When setting the destination, you should use the map on a scale of one half mile or smaller.</i>

<ul style="list-style-type: none"> ● <i>To select an “Address”, “Point of interest”, “Freeway Ent./Exit” or “Intersection” in a different region, a search area’s change is necessary.</i>

 CAUTION
<p>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.</p>

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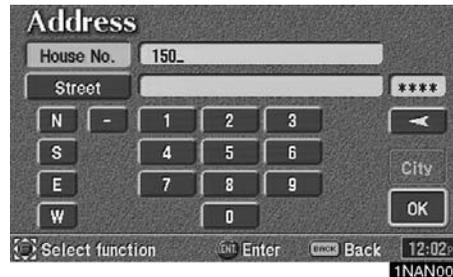
Destination input by Address



There are 2 ways to input a destination by address.

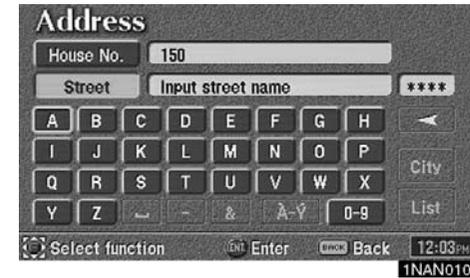
(a) Inputting a street name

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



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

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

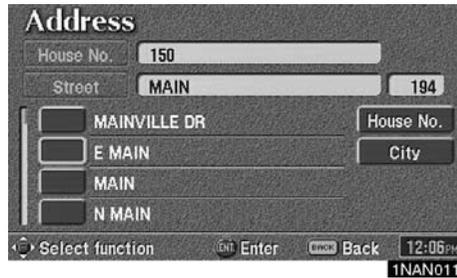


After each letter is inputted, the system searches the database for street names that match. Alphabet keys are dimmed if the database does not have a match for the next letter in the remaining list of matching street names.

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

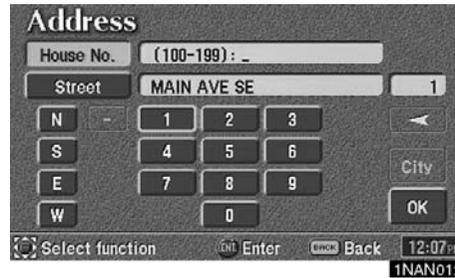
Based on your input, the number of matching sites appears at the top right of the screen. After the number decreases to some extent, select the “List” switch to display the street selection list. If the number of matches decreases to 4 or less, the screen changes automatically to the selection list.

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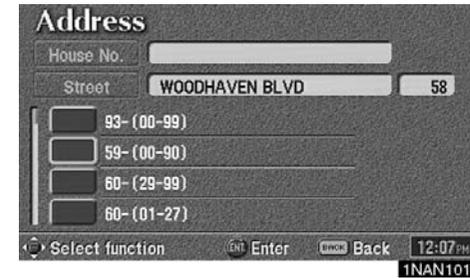


When you find your desired street name, select of the item. The screen changes and displays the map location of the selected destination and the route preference. (See “Entering destination” on page 23.)

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



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



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

(b) Inputting a city name

The screen for selecting the last 5 cities appears if you select the **“City”** switch on the “Address” screen on page 8.



Last 5 cities are displayed on the screen.

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

INFORMATION

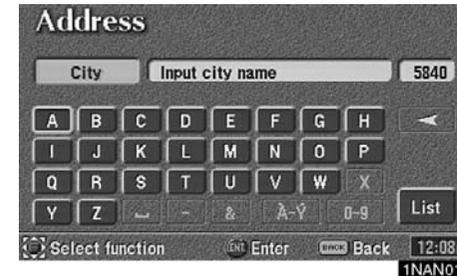
Under the initial condition, town name will not be displayed.

“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.

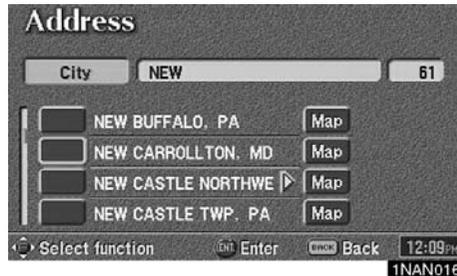
The screen for inputting a city name appears if you select the **“Input city name”** switch on the “Address” screen.



Input the city name.

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

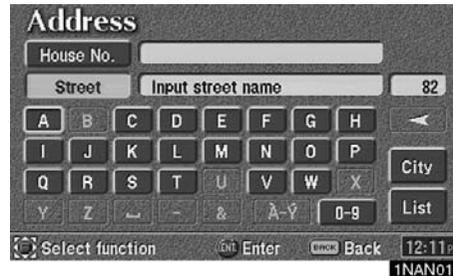
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Select the of the desired city name.

“Map”: If you select this switch, the screen changes and displays the map location of the selected city and the route preference. (See “Entering destination” on page 23.)

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



Input a street name. (See “(a) Inputting a street name” on page 8.)

The screen changes and displays the map location of the selected destination and the route preference. (See “Entering destination” on page 23.)

Destination input by Point of Interest

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

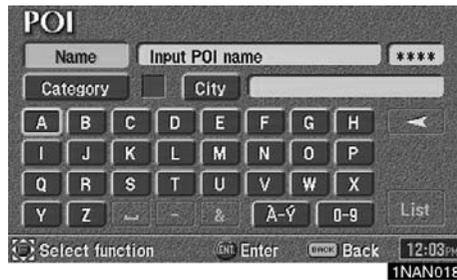
- Input the name of the point of interest directly.
- Inputting a city name first.
- Selecting from the points of interest categories.

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

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

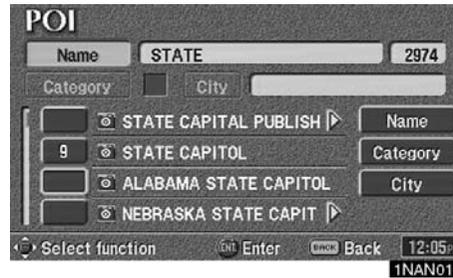
Select the “POI” (Point of interest) switch on the “Destinations” screen.



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

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

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



Select the of your desired destination.

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

(b) Inputting a city name

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



Last 5 cities are displayed on the screen.

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

INFORMATION

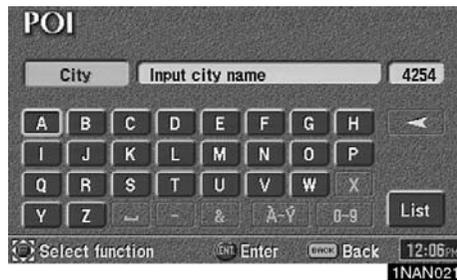
Under the initial condition, town name will not be displayed.

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“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 point of interest.

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



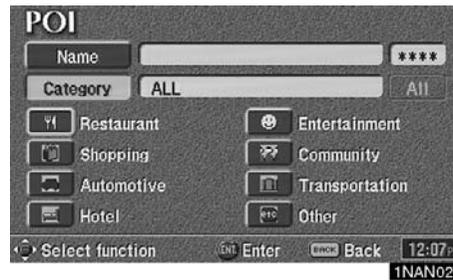
Input the city name.

If the number of sites becomes 4 or less, or if you select the “List” switch at the bottom right of the screen, the screen changes and displays the selection list. Select the of the desired city name.

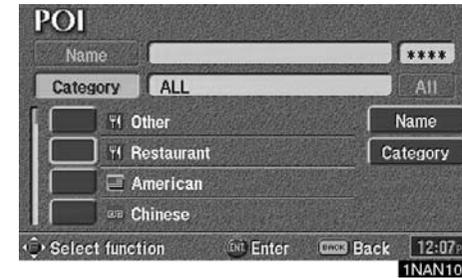
After entering the city name, input the name of the point of interest.

(c) Selection from the point of interest categories

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



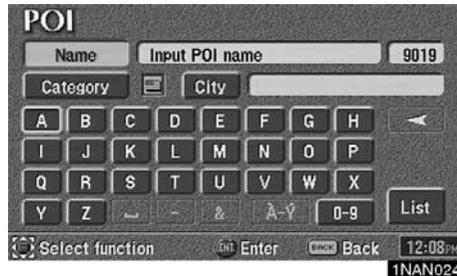
The categories are shown on the screen. When you select the of your desired category, more detailed categories are shown.



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

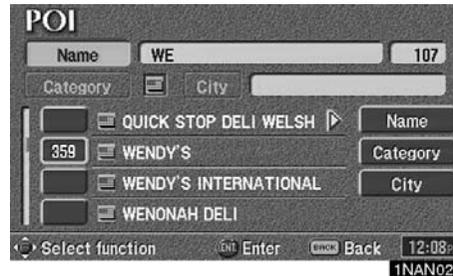
“All” categories: You can select the point of interest by the name in all categories.

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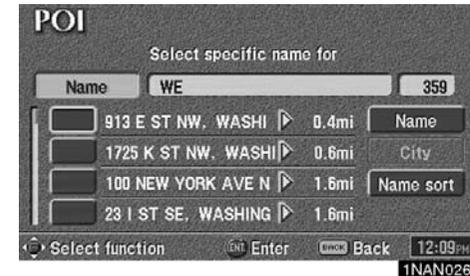


Once you have selected a category, select letters directly on the screen to input a name. When you input numerals, select the “0-9” switch to display the screen for numeral input.

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



When you select the of your desired item, the screen changes and displays the map location of the selected destination and the route preference. (See “Entering destination” on page 23.)



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

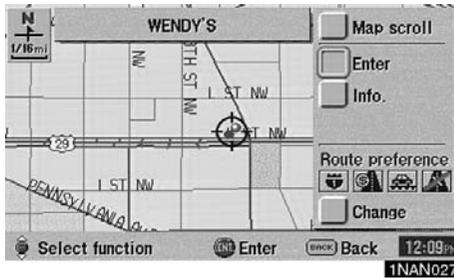
“Name sort”: Select this switch to list the categories in alphabetical order.

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

INFORMATION

The information on the desired point of interest can be displayed on the map screen.

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Select the “Info.” switch to display the selected destination name, address and telephone number.

List of POI (Points of Interest)



RESTAURANT



JAPANESE



CHINESE



FRENCH



ITALIAN



OTHER



AMERICAN



CONTINENTAL



MEXICAN



SEAFOOD



SHOPPING



GROCERY STORE



GAS STATION



PARKING GARAGE/HOUSE



PARKING LOT

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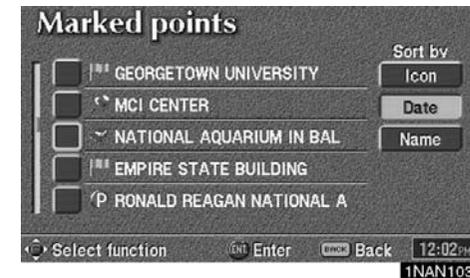
	RENTAL CAR AGENCY		CASINO		PARK/RECREATION
	AUTOMOBILE CLUB		MARINA		CIVIC/COMMUNITY CENTER
	AUTO SERVICE & MAINTENANCE		TOURIST ATTRACTION		CONVENTION/EXHIBITION CENTER
	HOTEL		WINERY		COURT HOUSE
	GOLF COURSE		CITY HALL		TRAIN STATION
	SKI RESORT		POLICE STATION		AIRPORT
	AMUSEMENT PARK		LIBRARY		BUS STATION
	SPORTS COMPLEX		HOSPITAL		COMMUTER RAIL STATION

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	FERRY TERMINAL		SCHOOL
	PARK & RIDE		ATM
	REST AREA		HIGHER EDUCATION
	TOURIST INFORMATION		BUSINESS FACILITY
	HISTORICAL MONUMENT		CITY CENTER/NAMED PLACE
	PERFORMING ARTS		
	MUSEUM		
	BANK		

Destination input by Marked Point

Selecting the “Marked points” switch on the “Destinations” screen displays your list of registered marked point. (Refer to pages 50 through 54 on “Registering”, “Editing” or “Deleting” marked point.)



When you select the of your desired item, the screen changes and displays the map location of the selected destination and the route preference. (See “Entering destination” on page 23.)

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

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

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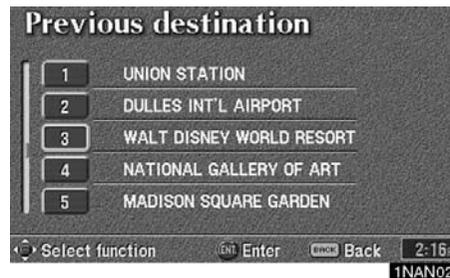
Sort by “Icon”: Select this switch to list the marked points by using the registered icon. There are 46 icons and 4 sound icons. (For details, see page 52.)

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

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

Destination input by Previous Destination

Select the **“Prev. dest.”** switch on the **“Destinations”** 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 “Entering destination” on page 23.)

You can delete the list of previous destinations while you stop your vehicle if you no longer need them. (See page 64 for details.)

Destination input by Emergency

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



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

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

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

Select the of your desired item. The screen changes and displays the map location of the selected destination and the route preference. (See **“Entering destination”** on page 23.)

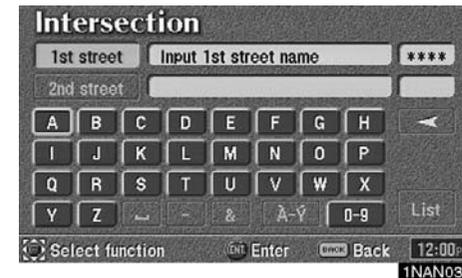
Select the **“INFO”** switch to display the selected emergency destination name, address and telephone number.

INFORMATION

In an area which has not been registered for route guidance, the navigation does not guide.

Destination input by Intersection

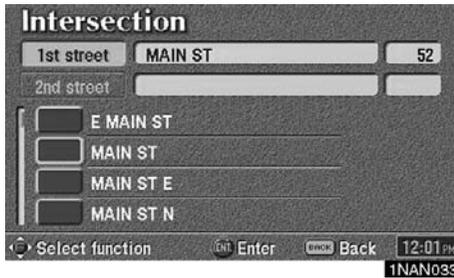
Select the **“Intersection”** switch on the **“Destinations”** screen.



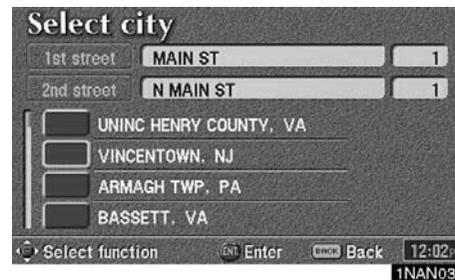
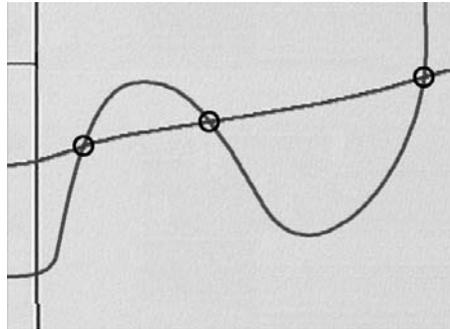
Input the name of the two intersecting streets which are located near the destination to be set.

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

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Select the of your desired item. After inputting the two intersecting streets, the screen changes and displays the map location of the selected destination and the route preference. (See “Entering destination” on page 23.)



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 “Entering destination” on page 23.)

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Destination input by Freeway Entrance or Exit

To input a freeway entrance or exit, select the “Freeway ent./exit” switch on the “Destinations” screen.



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

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

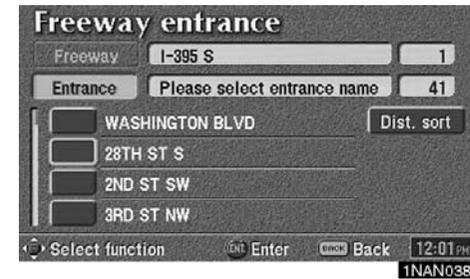
Corolla_MATRIX_Navi_U (L/O 0208)



Choose the desired freeway by selecting the .



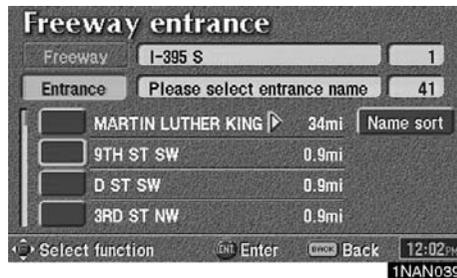
You can then select either a freeway **“Entrance”** or **“Exit”**.



Select the of your desired entrance or exit name. The screen changes and displays the map location of the selected destination and the route preference. (See **“Entering destination”** on page 23.)

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

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



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

Destination input by Previous Starting Point

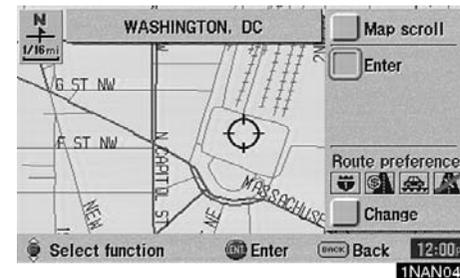
Select the “Prev. start point” switch on the “Destinations” screen.

The screen changes and displays the map location of the previous starting point and the route preference. (See “Entering destination” on page 23.)

If you have not used the navigation yet, you cannot set the destination by the “Prev. start point” switch.

Destination input by Map

Select the “Map” switch on the “Destinations” screen.



The screen change and displays the map location of the last map and the route preference. (See “Entering destination” on page 23.)

Destination input by Home

Select the “ (home)” switch on the “Destinations” screen.

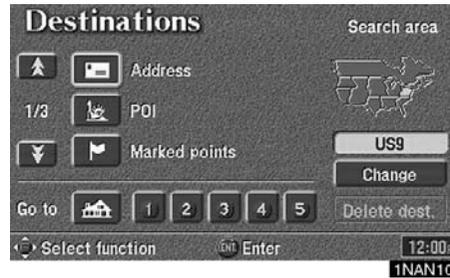
The screen changes and displays the map location of your home and the route preference. (See “Entering destination” on page 23.)

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

If you have not registered your home yet, you cannot set the destination by the “ (home)” switch.

For the steps to register or delete your home, see page 35 for details.

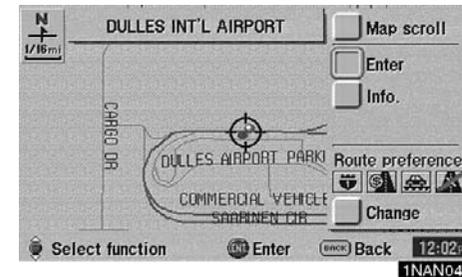
Destination input by Preset destination



Select one of the ①~⑤ switch on the “Destinations” screen. The screen changes and displays the map location of your desired preset destination. In this case, it is necessary to register your desired preset destination beforehand. (Refer to pages 56 through 57, “Registering”, “Editing” or “Deleting” preset destination.)

Entering destination

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



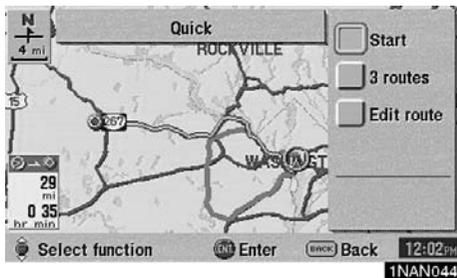
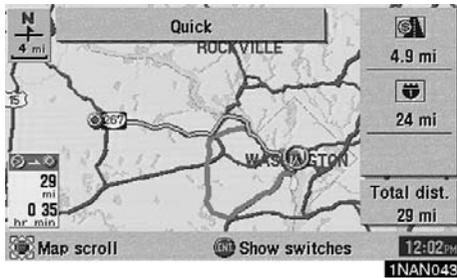
Select the “Map scroll” switch on the screen to move the cursor .

You can move and set the cursor  at a desired point. (For the method of how to move the cursor, see page 4.)

“Change”: Selecting this switch can change “Route preference”.

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

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If you want to set a preferred road point between the starting point and the destination or change the search condition, push the **“ENT”** button to display the menu switches. And then select the **“Edit route”** switch on the screen. The screen changes and displays the edit route menu. (For details, see page 65.)

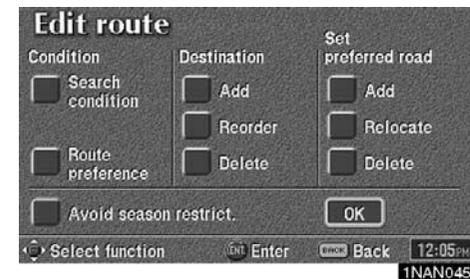
You can start the route guidance by selecting the **“Start”** switch on the screen or starting to move your vehicle.

When you keep pushing the **“ENT”** button until you hear a beep, “demo” mode will start.

Route preference:

To change the conditions of the route preference.

Select the **“Edit route”** switch, and the “Edit route” screen appears.



Select the **“Route preference”** switch.

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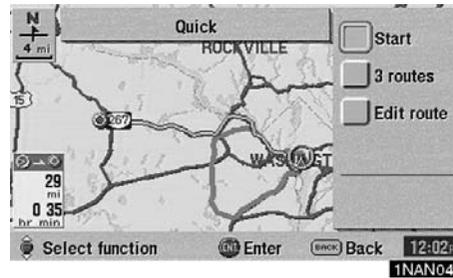


Select either “Allow” or “Detour” switch. When you select the “OK” switch, the system starts searching for a route up to the destination.

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

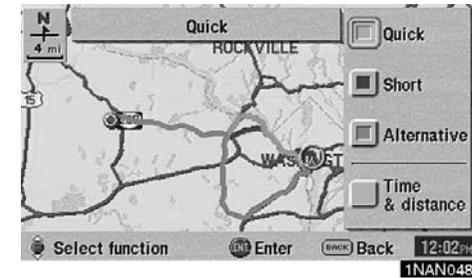
INFORMATION

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



Select the “3 routes” switch.

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



Choose one from the three routes.

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

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

“Alternative”: Other route.

Depending on the circumstance, two or three routes may be the same.

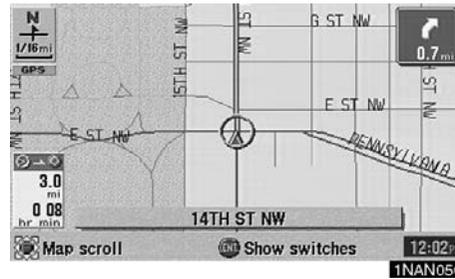
Corolla_MATRIX_Navi_U (L/O 0208)



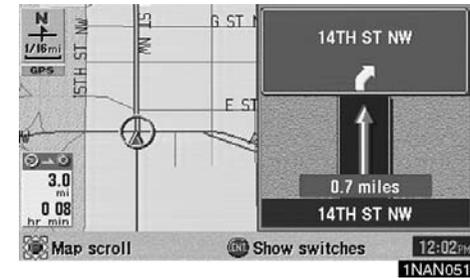
Select the “Time & distance” switch to display the “Time & distance list” screen.

Route guidance screen

The route guidance system displays two different screen modes.



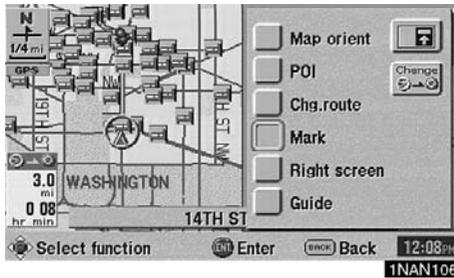
Single screen: Only map is shown in a screen mode like the above.



Split screen: Map and guidance screen are shown in a screen mode like the above. (For detail about guidance screen, see page 28.)

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

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Map screen with switch: When the “ENT” button is pushed while the map is displayed, the switch screen is displayed on the right side of the screen.

[GPS]: Upon reception of signals from the GPS (Global Positioning System), this mark appears. (For details, see page 45.)

“Map orient”: To switch the map orientation between “North-up” and “Heading-up”. (For details, see page 43.)

“POI”: Select this switch, and symbols of points of interest are shown on the screen. (For details, see page 38.)

“Chg.route”: The “Change route” screen appears and the following settings are available.

“Mark”: Select this switch for quick registration of the marked point. (For details, see page 55.)

“Guide”: When POI icons are displayed on the map, select this switch, and the name of a POI icon near the cursor is displayed. Move the select and scroll lever to the right or left, and the name of the next POI icon is displayed. If no POI icons are displayed on the screen, “No guidance information available” is displayed. Push the “ENT” button while the name of a POI icon is displayed to see detailed information about that POI (name, location, phone number, etc.) displayed on the screen.

“Change”: Select this switch when you have several destinations to go. The distance and time from the current position to the destination can be displayed for each destination. When you are not traveling on the route, however, only the distance is displayed.



Selecting these switches changes the guidance screen.



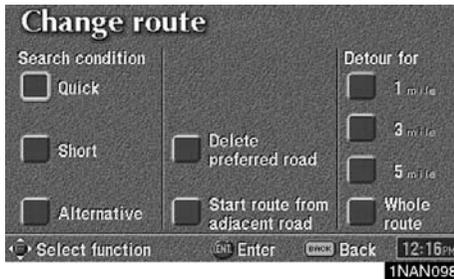
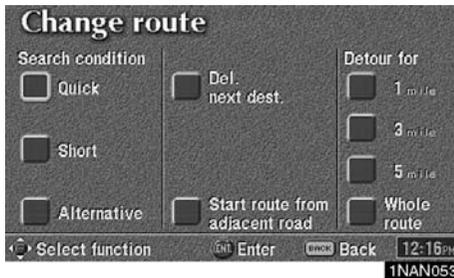
Selecting these switches changes the map screen.



INFORMATION

- **The distance to your destination appears on the left of the screen.**
- **The time to your destination can also be displayed. (For the setting steps, see page 75.)**

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“Search condition”: To change the condition for reroute. (For details, see page 67.)

“Del. next dest.”: To delete the setting of the next destination.

“Delete preferred road”: To delete the preferred road that you registered.

“Start route from adjacent road”: To start the route guidance from the adjacent road.

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

“Detour for”: To change the condition for detour. (For details, see page 36.)

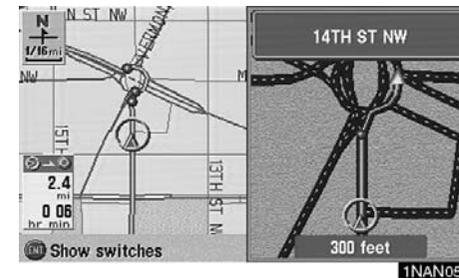
“Whole route”: To calculate an entire new route to the destination.

Guidance screen

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

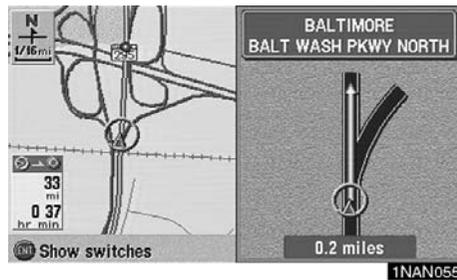
See also “Route guidance screen” on page 26.

Split screen near the intersection.



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

Split screen near the exit of the freeway.

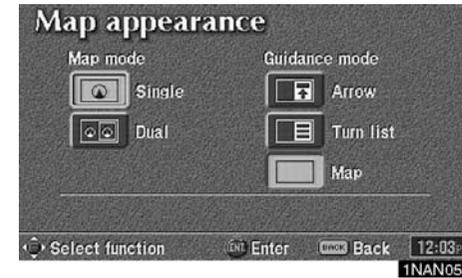


Map appearance

You can set the map mode and guidance mode.



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



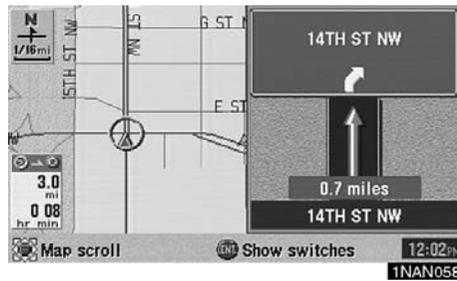
2. It changes to the “Map appearance” screen and you can select the “Guidance mode”.

“Guidance mode”:

-  To display arrow screen
-  To display turn list screen
-  To display map screen

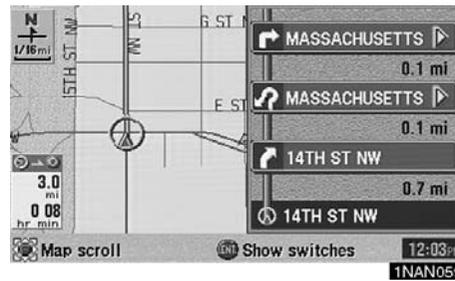
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Arrow screen



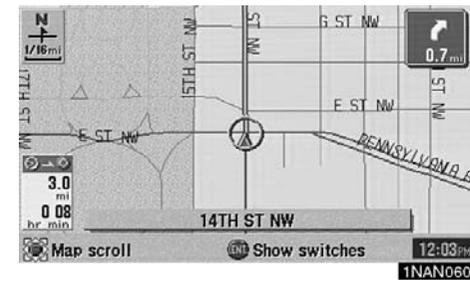
This screen shows the current road name and the distance to the next corner.

Turn list screen



The screen shows the turn list like the above. You cannot scroll through the list of roads.

Map screen



The map screen has 2 modes.

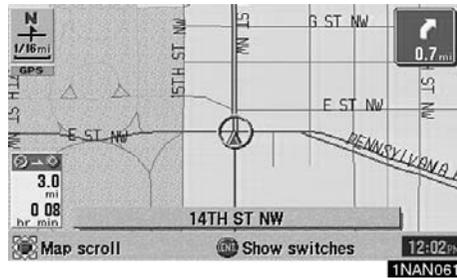


Single mode



Dual mode

Current position display



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

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

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

INFORMATION

When you use the map scroll feature, the current vehicle position mark may disappear from the screen. Move the map again with map scroll or push the “MAP” or “NAV” 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

The current position may not be correct when the vehicle is new or when its battery has been disconnected. 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 61.

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

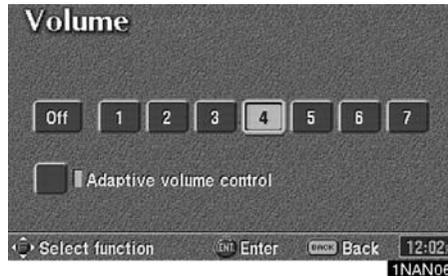
In some areas, the roads have not been completely digitized in our database yet. For this reason, the route guidance may indicate a road that is not passable.

Voice guidance adjustment

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



Push the “MENU” button to display the “Menu” screen, and select the “Volume” switch.



Select the volume using the switches “1”-“7”.

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

The selected item is highlighted in green.

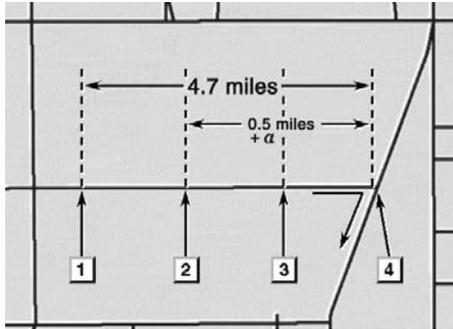
INFORMATION

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

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

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

Typical voice guidance prompts

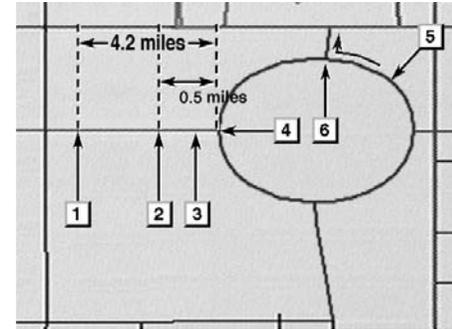


The voice guidance provides various messages as you approach an intersection, or other points where you need to maneuver the vehicle.

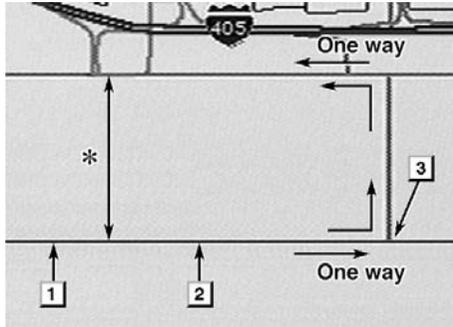
- 1  "Proceed about 5 miles."
- 2  "In a half of a mile, right turn."
- 3  "Next right."
- 4  (Beep sound only)

INFORMATION

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

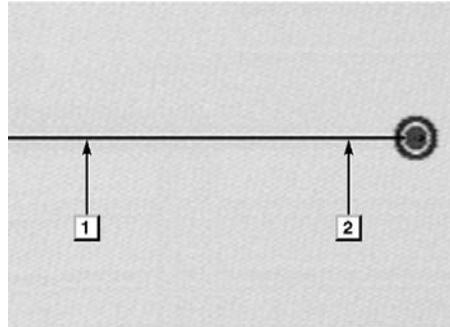


- 1  "Proceed about 4 miles to the traffic circle."
- 2  "In a half of a mile, traffic circle ahead, and then the 3rd exit."
- 3  "The 3rd exit ahead."
- 4  (Beep sound only)
- 5  "The exit ahead."
- 6  (Beep sound only)



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

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



The system announces your approach to the final destination.

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

INFORMATION

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

Registration of your home

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



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



2. Select the “Reg. home” switch for registering your home address.

If your home is already registered, the “Reg. home” switch changes to the “Delete home” switch.



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

Input your home in the same way as the destination input. (See page 23.)

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• Deleting your home



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

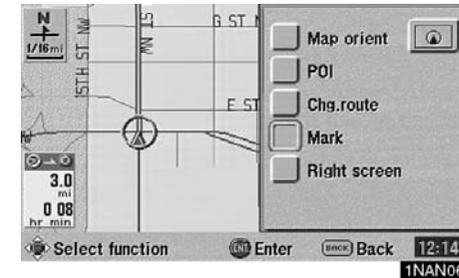


2. Select the **"Delete home"** switch.

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

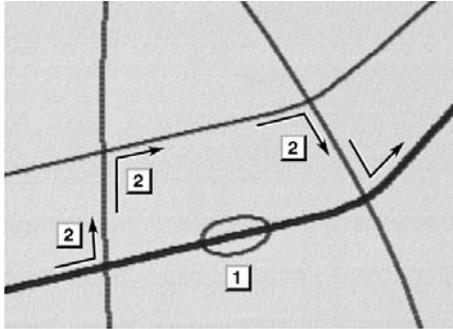
Detour setting

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



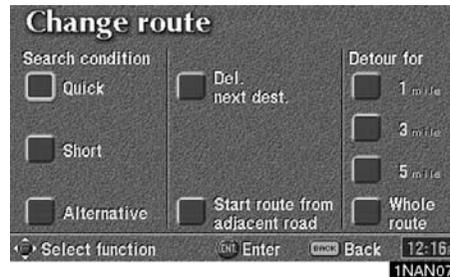
Select the **"Chg.route"** switch on the right side of the screen if you encounter a reason to divert from the selected route.

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

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



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

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

INFORMATION

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

“Search condition”: To change the conditions of the searching route. (See page 67.)

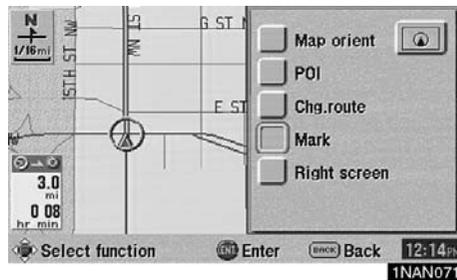
“Quick”: A route on which you can reach the destination in the shortest time.

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

“Alternative”: Other route.

Displaying points of interest

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



To display a particular type of point of interest on the screen, select the “POI” switch on the map right side of the screen.



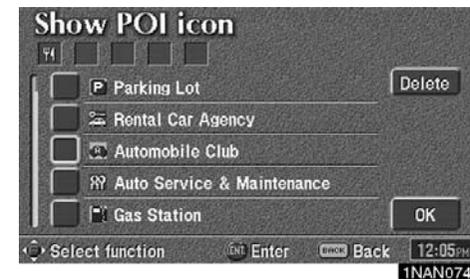
A window with a limited choice of points of interest will be displayed. When you select your desired type of point of interest, icons will appear on the map screen indicating where the POI addresses are located.

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

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

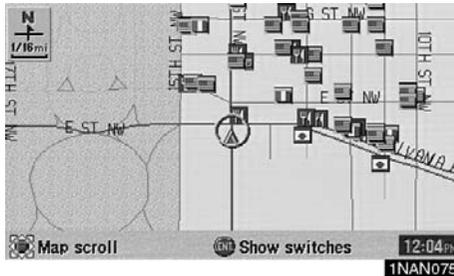


When you select the point of interest type from more list, the screen will display the complete “Point of interest” listing screen.



Selecting the “Delete” switch will delete the last selected icon.

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



“Local POI list”: Select this switch while selecting some categories of POI. The “Local POI list” screen will appear with a list of the points within 20 miles.

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

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

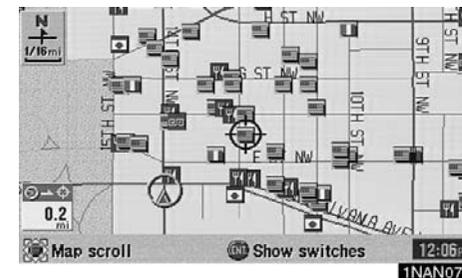
Sort by “Name”: Select this switch to list the points of interest in alphabetical order.

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

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

Setting a POI as a destination

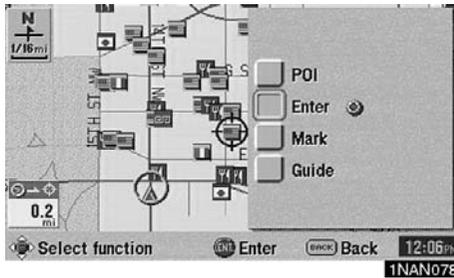
You can select one of the points of interest icons on the map screen as a destination and use it for a route guidance.



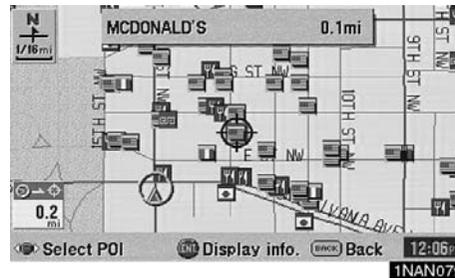
1. Select the icon of the point of interest that you want to set as a destination.

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

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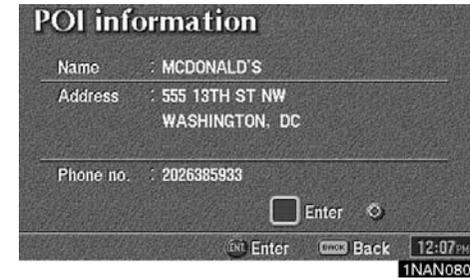


2. Push the “ENT” button, and then the switch menu appears.
3. Select the “Guide” switch.

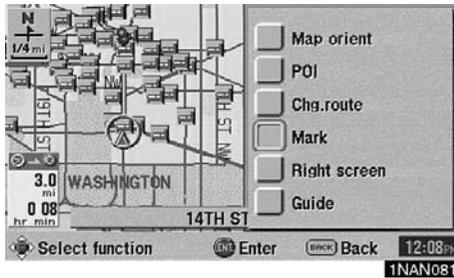


The name of the point of interest is displayed at the top of the screen. You can select the other POI icon on the displayed map.

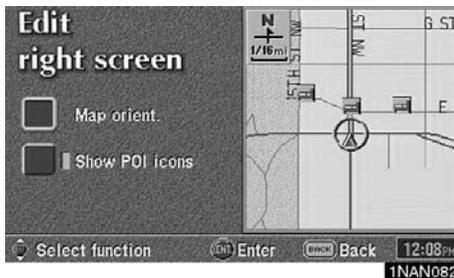
When you push the “ENT” button, the information such as the name and address, etc. are displayed.



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



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



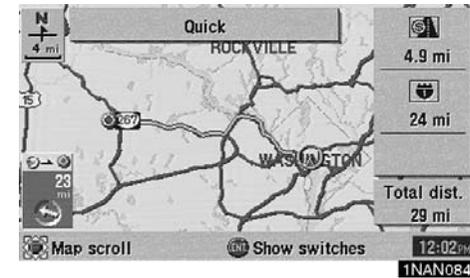
Select **“Show POI icons”** POI icon is displayed when the indicator next to the is highlighted, and if not, the POI icon is not displayed.

Turn list

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



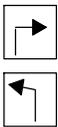
1. Push the **“MENU”** button to display the “Menu” screen and select the **“Route overview”** switch.



2. The screen will change to the “Entire route map” screen, push the **“ENT”** button to display the menu switches. And then select the **“Turn list”** switch.



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

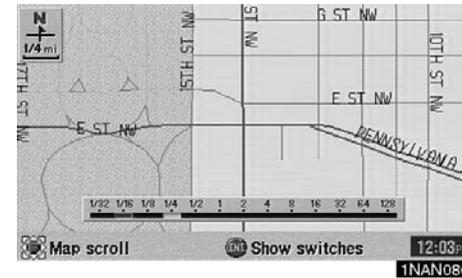


These marks indicate the direction which you should turn at an intersection.

Select the “**Map**” switch on the “Turn List” screen of your desired point. The point which you choose is displayed on the map screen.

INFORMATION
<ul style="list-style-type: none"> • <i>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.</i> • <i>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.</i> • <i>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.</i> • <i>If a long route has been selected, it may take a long time to display the turn list.</i> • <i>Push the “MAP” or “NAV” button to return to the map display with route guidance.</i>

Map scale

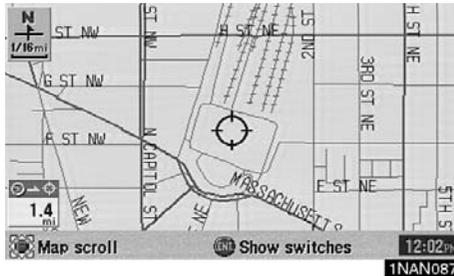


The map scale can be changed by pushing the “**Q**” (zoom in) or “**Q**” (zoom out) button while the map is displayed and while guiding as well. The scale runs from 1/32nd of a mile to 128 miles. Push and release the “**Q**” (zoom in) or “**Q**” (zoom out) button to change the scale one step at a time. Push and hold either button to zoom in or out smoothly.

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

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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.

Move the cursor mark  to the point you desire by operating the select and scroll lever. Push the “ENT” button and select the “Enter ” switch.

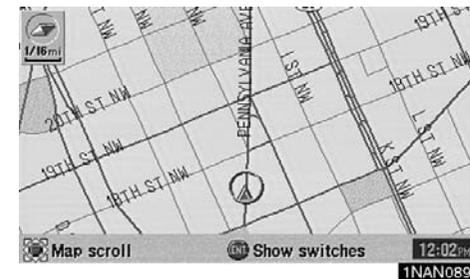
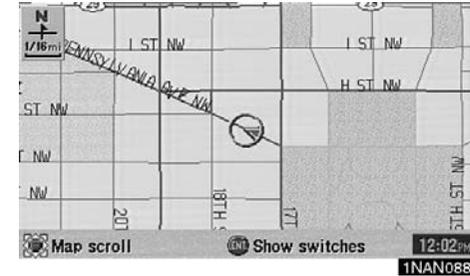
If you continue to hold the lever, the map will continue scrolling in that direction until you release the lever.

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

INFORMATION

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

Orientation of the map



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

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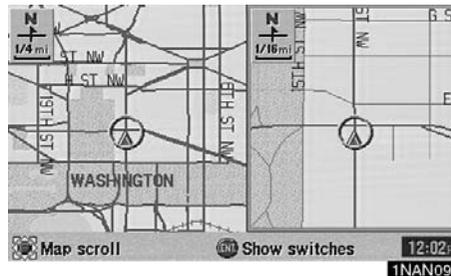
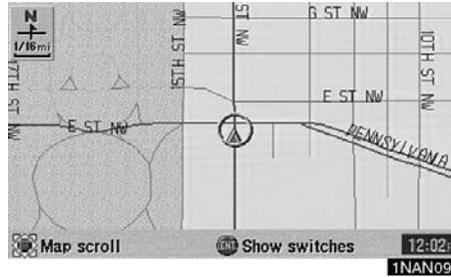
“North-up” symbol

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

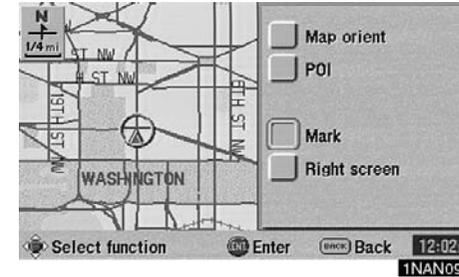


“Heading-up” symbol

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

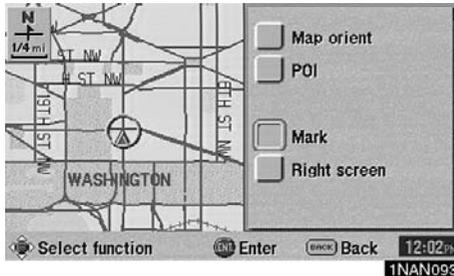


1. Push the “ENT” button while the map screen is displayed.

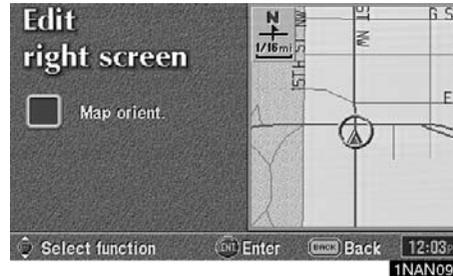


2. When the “Map orient” at the right side of the screen is selected, the orientation of the map screen is switched between the “North-up” and the “Heading-up.” When there are 2 map screens displayed, the “North-up” and the “Heading-up” of the left side map screen is switched by this operation.

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



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

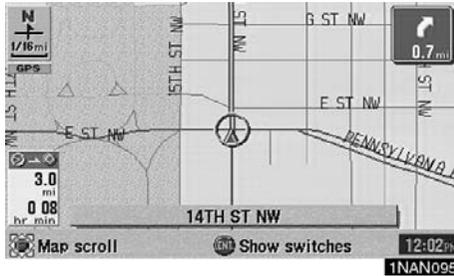
When 2 map screens are displayed, you can set one as the “North-up” and the other one as the “Heading-up.”

Limitations of the navigation system

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

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

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When your vehicle is not receiving signals from the satellites, the “GPS” mark does not appear at the screen.

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

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

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

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

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

- When driving on a small angled Y-shaped road.
- When driving on a spiral road.
- When driving on a slippery road such as in sand, gravel, snow, etc.
- When driving on a long straight road.
- When freeway and surface streets run in parallel.
- After moving by ferry or vehicle carrier.
- When a long route is searched during high speed driving.
- When driving without setting the current position calibration correctly.
- After repeating a change of directions by going forward and backward, or turning on a turntable in the parking lot.
- When leaving a covered parking lot or parking garage.
- When a roof carrier is installed.
- When driving with the tire chains installed.
- When the tires are worn.
- After replacing a tire or tires.
- 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 61.

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

- When turning at a wrong intersection off the designated route guidance.
- If you are heading for a destination without passing through a set preferred road, automatic rerouting may display a route returning to the set preferred road.
- When turning at an intersection, there is no route guidance.
- When passing through the intersection, there is no route guidance.
- During automatic rerouting, the route guidance may not be available for the next turn to the right or left.
- It may take a long time to operate automatic rerouting during high speed driving. In automatic rerouting, a detour route may be shown.
- During automatic rerouting, the route may not be changed.
- The route in a U-turn may be shown or announced.
- A location may have multiple names and the system will announce one or more.
- Some routes may not be searched.
- If the route to your destination includes gravel, unpaved roads or alleys, the route guidance may not be shown.
- Your destination point might be shown on the opposite side of the street.
- When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time or season or other reason.
- The road and map data stored in your navigation system may not be complete or may not be the latest release.

After replacing the tire, implement the operation described in the “Current position calibration”. (For details, see page 61.)

This navigation system uses the tire turning data and is designed to work with factory-specified tires for your vehicle. Installing tires that are larger or smaller than the originally equipped diameter may cause inaccurate display of the vehicle's position. The tire pressure also affects the diameter of the tires so please make sure the tire pressure of all four tires is correct.

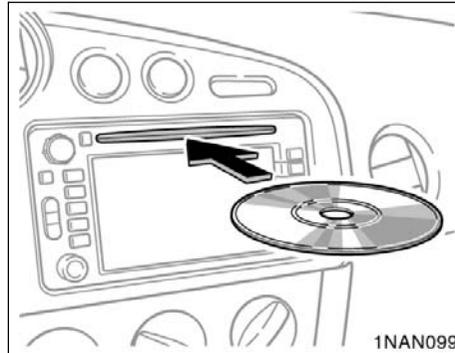
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Map database information and updates

This system uses the maps of DENSO based on NavTech maps and GDT maps.

This product contains proprietary and confidential property of Geographic Data Technology, Inc. Unauthorized use, including duplication of this product is expressly prohibited.

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



The map database is normally updated once a year. Contact your dealer for updating a map database.

INFORMATION

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



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

SECTION II

ADVANCED FUNCTIONS

Descriptions of functions for more effective use

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Area to avoid	58
Current position calibration	61
Edit route	62
Setting a preferred road	65
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Route overview	68
Route preview	68

Marked points

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

(a) Registering marked points



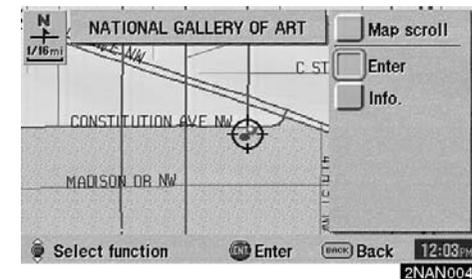
1. Push the **“MENU”** button to display the **“Menu”** screen and select the **“Marked points”** switch.



2. Select the **“Register”** switch of the **“Marked Points”**.

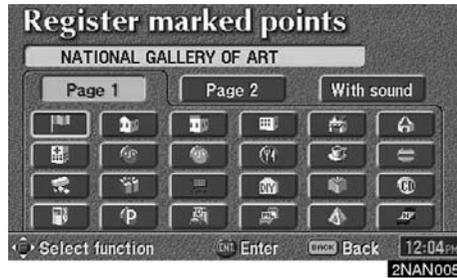


A screen similar to that for destination input appears. Input the address of the marked point in the same way as any destination input. See page 4.



3. Select the **“Enter”** switch on the screen and push the **“ENT”** button.

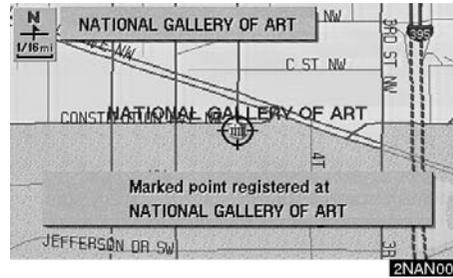
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The screen to register an icon appears a couple of seconds later.

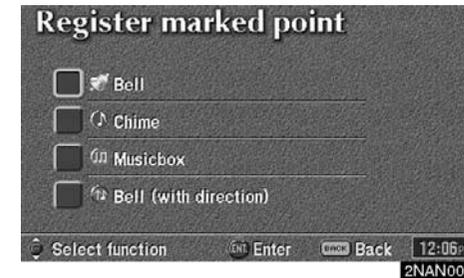
Select your desired icon.

You can turn the page by selecting **“Page 1”** or **“Page 2”** switch.



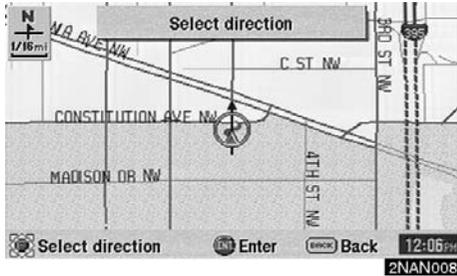
INFORMATION

Up to 100 marked points can be registered.



Selecting the **“With sound”** switch, select your desired sound. When your vehicle approaches the marked point, the sound which you chose will sound.

“Bell (with direction)”: The bell sounds only when your vehicle approaches to the marked point from your setting direction.



Operate the select and scroll lever, so that the direction is facing to your desired direction.

Push the “ENT” button and the map screen returns.

(b) Editing marked points

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

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



2. Select the “Edit” switch of the “Marked Points”.



The screen lists the marked points.

Sort by “Icon”: Select this switch to list the marked points in order of the type of icon.

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

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

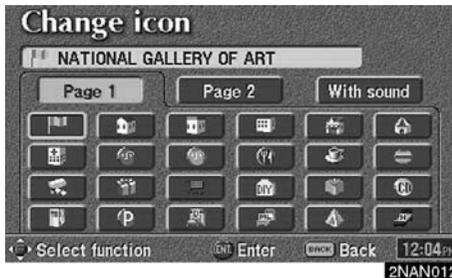
Select switch of the desired marked point to display the “Edit marked point” screen.

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3. Select the “Change” switch which you want to edit.

- Changing an “Icon”



Select your desired icon.

- Changing a “Name”



Select alphabet or numeral keys to input the name.

After you finish your entry, select the “OK” switch on the screen.

The previous screen will be displayed.

- Changing a “Phone number” (telephone number)

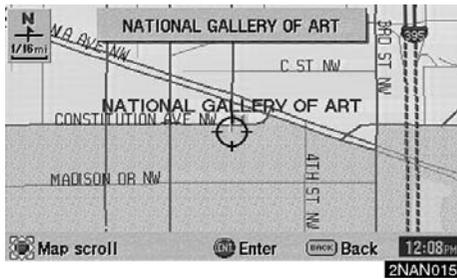


Select numeral keys.

After you finish your entry, select the “OK” switch on the screen.

The previous screen will be displayed.

- Editing a “Location” (position/map location).



Operate the select and scroll lever to move the cursor to the desired point on the map.

Push the “ENT” button when the cursor is your desired point.

The previous screen will be displayed.

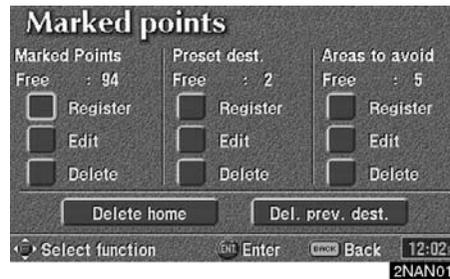
- “Show name”

You can set the name of marked point either to show or not on the screen.

To show the name, select the “On” switch. Not to show it, select the “Off” switch.

(c) Deleting marked points

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



2. Select the “Delete” switch of the “Marked Points”.



3. Select switch of the marked point to delete. If you want to delete all of the marked points, select the “Del. All” switch.

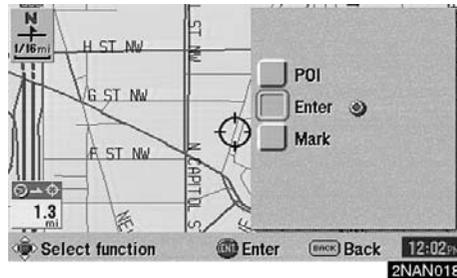
To delete only specified marked points, use the sort by “Icon”, “Date” or “Name” switch to display the screen, so that you can easily find the marked points.

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

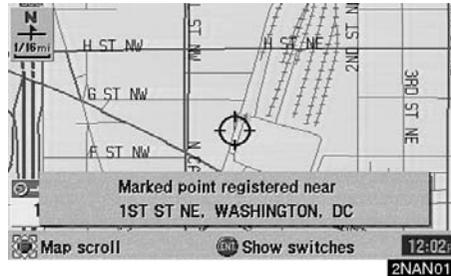
(d) Quick marked point registration

You can register your current position or any points (See “Screen scrolling” on page 43.) from the map screen.

1. Move the cursor  to the desired point, and if you wish to register that point, push the “ENT” button.

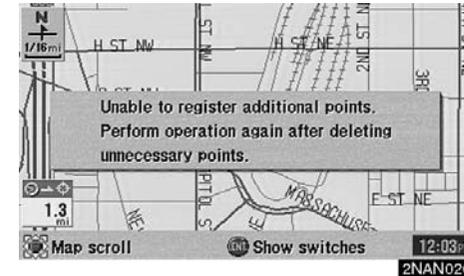


2. Select the “Mark” switch.



When you select the “Mark” switch, the above screen appears for a few seconds, and then the map screen will be displayed.

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, push the “MENU” button to display the “Menu” screen and select the “Marked points” switch. Delete several old points by following the “(c) Deleting marked points”.

Preset destinations

You can set up to 5 destinations beforehand.

(a) Registering preset destinations

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



2. Select the “Register” switch of “Preset dest.”.



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

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 inputs. (See page 4.)

(b) Editing preset destinations

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



2. Select the “Edit” switch of “Preset dest.”.



3. Select the switch that you want to edit.

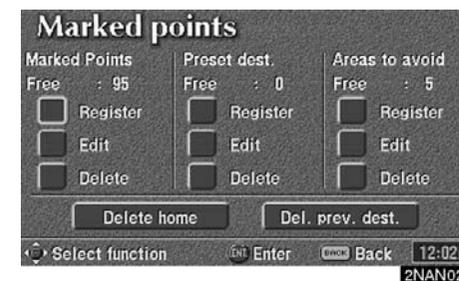


You can change the name, location and phone No. of the preset destination.

Select the “Change” switch. (See page 52.)

(c) Deleting preset destinations

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



2. Select the “Delete” switch of “Preset dest.”.



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

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

Area to avoid

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

Push the **“MENU”** button to display the **“Menu”** screen and then select the **“Marked points”** switch to display the following screen.



INFORMATION

If 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

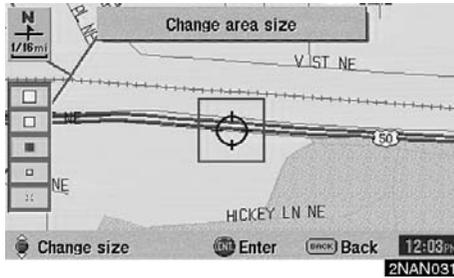
1. Select the **“Register”** switch of the **“Areas to avoid”**.



2. Enter the location in the same way as you input any destination or display the map of the area you want to avoid. (See pages 8 through 23.)

INFORMATION

*Only 10 points can be registered as point to avoid. If there are 10 points already registered, the message **“Unable to register additional points. Perform operation again after deleting unnecessary points.”** appears on the screen.*



3. When any of the “detour gauge” at the left side of the screen is selected, a box appears around the cursor . This is to determine the area to avoid. Select the “detour gauge” you desire.

When you push the “ENT” button, the message appears.

INFORMATION

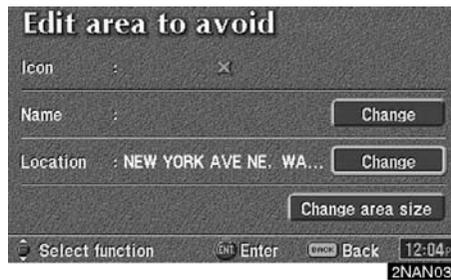
When the above screen is displayed, if the map scale is larger than 1/2 mile, the message “Position cannot be specified in this scale. Switch to more detailed map.” appears on the screen. Set the map scale, so that it is more detailed than 1/2 mile.

(b) Editing area to avoid

1. Select the “Edit” switch of the “Areas to avoid” to display the “Edit area to avoid” screen.



2. Select the area to avoid switch you want to edit.



3. Select the “Name”, “Location” or “Change area size” on this screen.

- Changing a “Name”



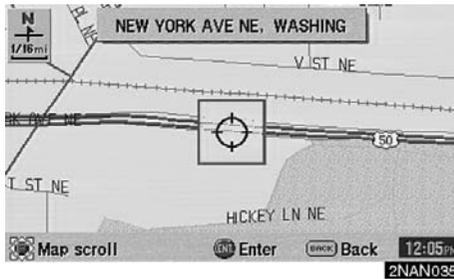
Select alphabet or numeral keys to input the name.

After you finish your entry, select the “OK” switch on the screen.

The previous screen will be displayed.

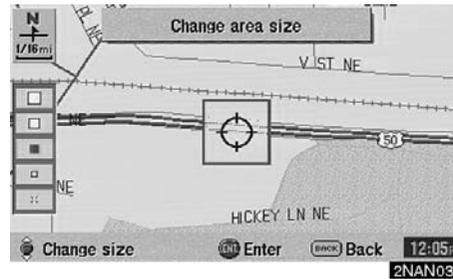
Corolla_MATRIX_Navi_U (L/O 0208)

● Changing a “Location”



Move the cursor  to your desired point, and push the **“ENT”** button.

● Changing a “Area size”



Select one of the “detour gauge” on the left side of this screen if you want to change the area size.

(c) Deleting area to avoid

1. Select the **“Delete”** switch of the **“Areas to avoid”** to display the **“Delete area to avoid”** screen.



2. Select the area you want to delete from the list.

“Del. All”: All registered areas to avoid in the system are deleted.

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

Current position calibration

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



1. Push the “MENU” button to display the “Menu” screen, and then select the “Setup” switch.



2. Select the “Calibration” switch on the right side of the screen.

The next screen appears.

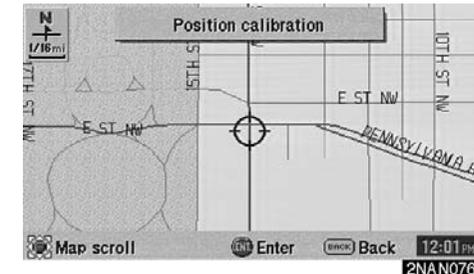


3. Select the “Position/Direction” switch.

INFORMATION

For additional information on current position accuracy, see “Limitations of the Navigation System” on page 45.

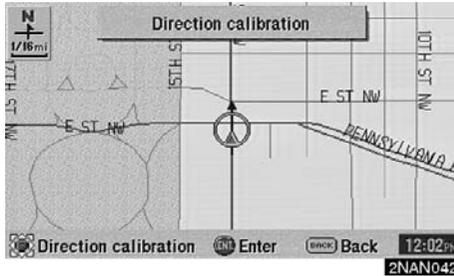
- Position/Direction



1. Move the cursor mark to your desired point by operating the select and scroll lever.

Push the “ENT” button.

Corolla_MATRIX_Navi_U (L/O 0208)



2. Operate the select and scroll lever, so that the screen direction is facing to your desired direction.

Push the “**ENT**” button, and then the map screen will be displayed.

- **Distance**

The distance 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, select the “**Tire change**” switch on the “**Calibration**” screen.

The message appears and the fast distance calibration is automatically started. A few seconds later, the map screen will be displayed.

Edit route

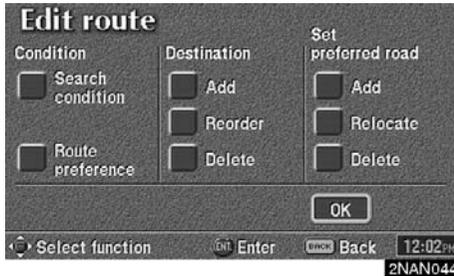
(a) Adding a destination

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

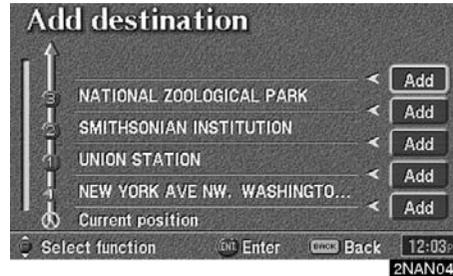


2. Select the “**Edit route**” switch on the screen.

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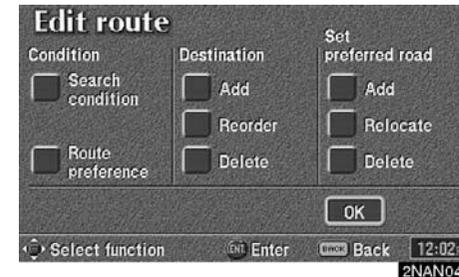
3. Select the **“Add”** switch of **“Destination”**.
4. Input an additional destination in the same way as the destination input. (See page 23.)



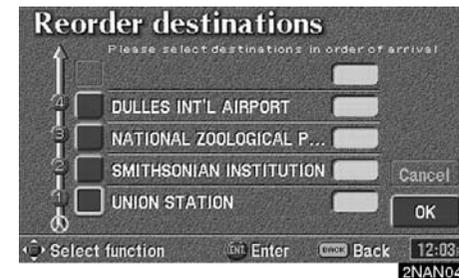
5. The **“Add destination”** screen appears. Select the **“Add”** switch on the right side of the screen that you want to add as destination.

(b) Reordering a destination

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



2. Select the **“Reorder”** switch of **“Destination”**.



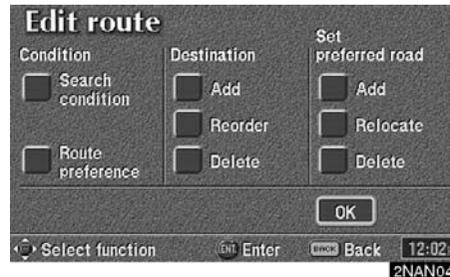
3. Choose the destinations in the order of arrival by selecting the switch on the left side of the screen.

After you finished selecting the destinations, select the **“OK”** switch.

The previous screen will be displayed.

(c) Deleting a destination

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



2. Select the **“Delete”** switch of **“Destination”**.



3. Select the switch of the destination that you want to delete.

Select the **“Del. All”** switch if you want to delete all destinations.

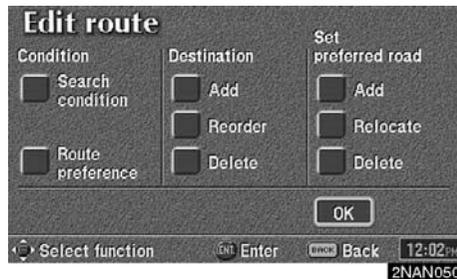
4. Messages appear depending on the type of deletion. If you want to delete, select the **“Yes”** switch. To cancel the deletion, select the **“No”** switch.

To delete a previous destination:

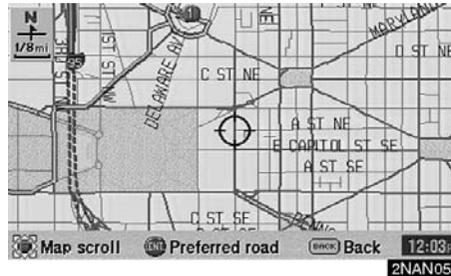
1. Push the **“MENU”** button to display the **“Menu”** screen and select the **“Marked points”** switch on the screen.
2. Select the **“Del. prev. dest.”** switch.
3. Do the same procedure as deleting a destination.

Setting a preferred road
(a) Adding a preferred road

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



2. Select the “Add” switch of the “Set preferred road” and then the following screen appears.



3. Move the cursor to your desired location and push “ENT” button.

Messages appear to confirm your request on the screen.

Select the “Enter” switch to register the road.

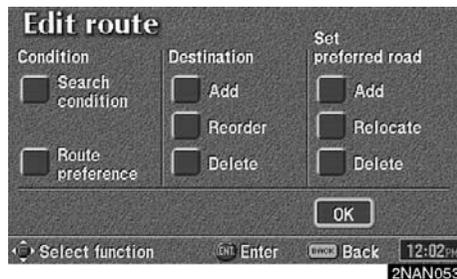
Select the “Next” switch when you change the road.



4. The “Add preferred road” screen appears. Select the “Add” switch if you want to add a preferred road.

(b) Modifying a preferred road

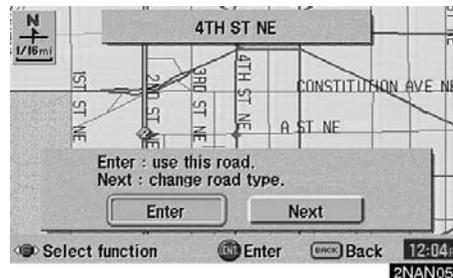
1. Push the “MENU” button to display the “Menu” screen and select the “Edit route” switch on the screen.



2. Select the “Relocate” switch of the “Set preferred road”. The “Relocate preferred road” screen appears.



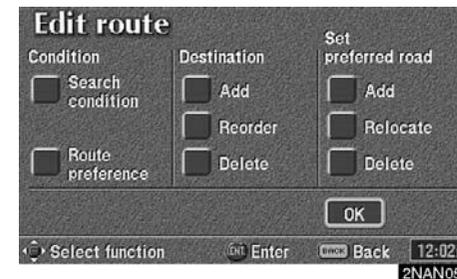
3. Select the preferred road which you want to modify and select the switch.



4. Do the same procedure as “Adding a preferred road”. (See (a), page 65.)

(c) Deleting a preferred road

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



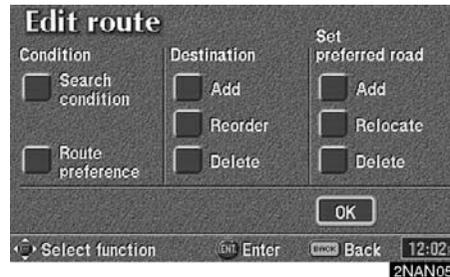
2. Select the “Delete” switch of the “Set preferred road”. The “Delete preferred road” screen appears.



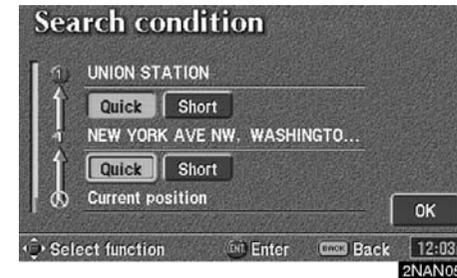
3. Select the preferred road which you want to delete. Select the **“Del. All”** switch if you want to delete all the preferred roads.
4. Messages appear depending on the type of deletion. If you want to delete, select the **“Yes”** switch. To cancel the deletion, select the **“No”** switch.

Search condition

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



2. Select the **“Search condition”** switch of **“Condition”**. The **“Search condition”** screen appears.



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

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

3. Select the **“Quick”** or **“Short”** switch and select the **“OK”** switch.

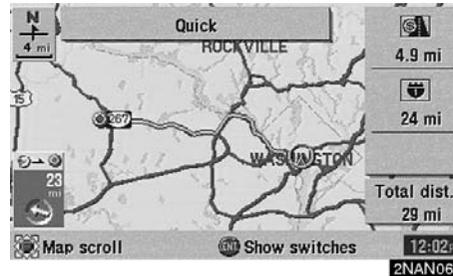
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Route overview

You can see the entire route from the starting point to the destination.



1. Push the "MENU" button to display the "Menu" screen and select the "Route overview" switch on the screen.



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

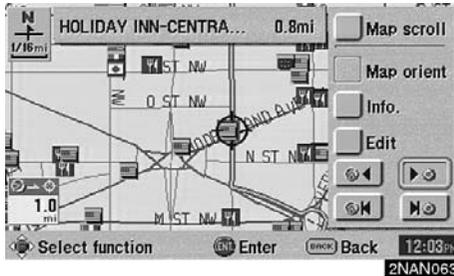
Route preview

You can preview the route from the starting point to the destination.

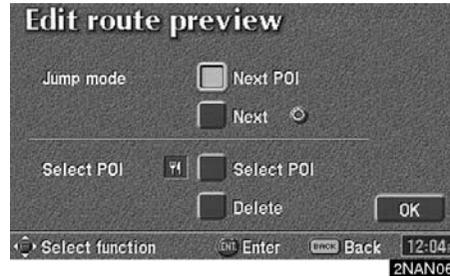


1. Push the "MENU" button to display the "Menu" screen and select the "Route preview" switch. The "Route preview" screen appears.

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-  To display the next destination
-  To preview the route to the next destination
-  To preview the route to the next destination fast
-  To stop previewing
-  To preview the route to the previous departure position
-  To preview the route to the previous departure position fast
-  To display the previous departure position



2. Select the **“Edit”** switch. The **“Edit route preview”** screen appears.

“Next POI”: To preview the next POI

“Next ☉”: To preview the next destination

If the points of interest you selected are on the route, they are displayed on the screen.

“Select POI”: To select the POI icon

“Delete”: To delete the POI icon



3. Select your desired category of point of interest.



4. Select your desired icon from the list and select the **“OK”** switch.

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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” button.



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



3. Select the “OK” switch on the screen and then the map screen will be displayed.

“Default”: Select the “Default” switch on the right side of 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 route guidance screen.

“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 restrict.

“Voice guide in all mode”: 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.

“Operation guide on map”: Display or non-display of the operation guide on the display can be selected.

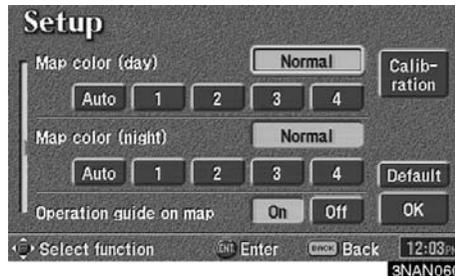
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Map color

1. Push the “MENU” button.



2. Select the “Setup” switch.



3. Select your desired day and/or night map color and then select the “OK” switch to return the map screen. See “The map color list” on this page for details.

Select the “Normal” switch to default the map color.

Select the “Auto” switch to select the map color automatically.

When you select the “Auto” switch, the map color is changed in every three month.

The map color list

Switch NO.	The map color	Schedule
1	Green	Mar. – May
2	Blue	Jun. – Aug.
3	Gray	Sep. – Nov.
4	Beige	Dec. – Feb.

Screen adjustment

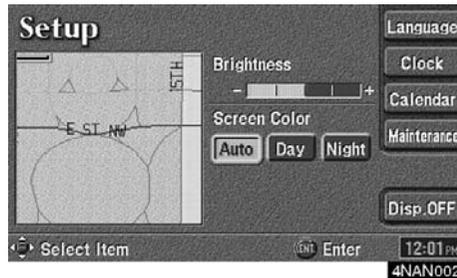
You can adjust the brightness of the screen. You also can turn the display off.

Push the “SETUP” button to display the “Setup” screen.

INFORMATION

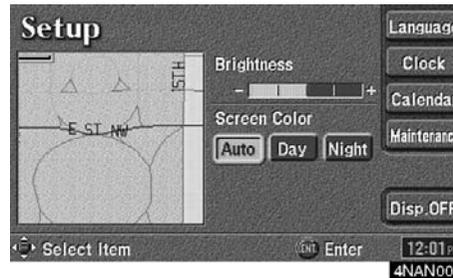
The display may be tinged in purple due to the reflection of sunlight, but this is not a malfunction.

● “Brightness” adjustment



When the “Setup” screen is displayed, move the select and scroll lever right or left. Move the lever right toward the “+” side to increase the brightness of the screen, move the lever left toward the “-” side to decrease the brightness of the screen. After adjusting the brightness, push the “NAV” button.

● “Screen Color” selection



“Auto”:

When the headlight switch is turned to on, the screen is in the night mode. When the headlight switch at “OFF” position, the screen is in the day mode.

“Day”:

The screen is kept in the day mode.

“Night”:

The screen is kept in the night mode.

The screen turns off when you push the “Disp.OFF” switch. To turn the display screen back on, push any buttons such as “NAV”, etc. The selected screen appears.

Automatic rerouting

When the “Automatic rerouting” 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.

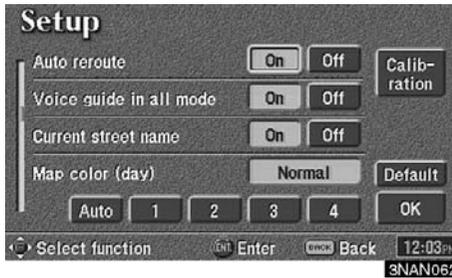
To turn the “Auto reroute” mode on:

1. Push the “MENU” button.



2. Select the “Setup” switch.

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3. Select the “On” switch of “Auto reroute”.

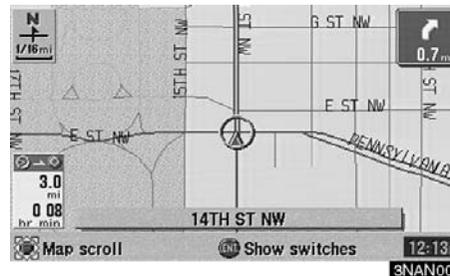
Selected switch is highlighted in green.

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.

Time to destination

When the “Time to destination” feature is turned on, the time preferred to reach the destination is displayed on the route guidance screen.

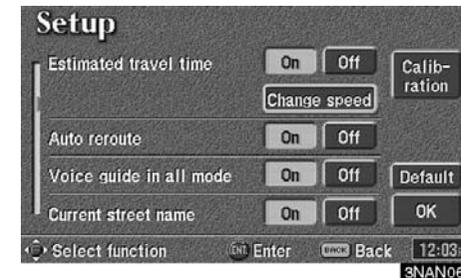


To turn the “Estimated travel time” mode “On”:

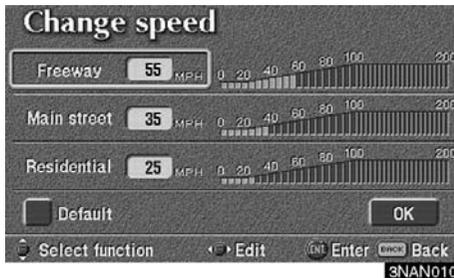
1. Push the “MENU” button.



2. Select the “Setup” switch.



3. Select the “Change speed” switch on the “Setup” screen.



4. You can set the speed as your desire by operating the select and scroll lever. Select the item by moving the lever vertically, and move the lever horizontally to set the speed.

If you select the “Default” switch, the default speed is set at each item.

5. After you finish setting the desired speeds, select the “OK” switch on the right side of the screen.
6. The “Setup” screen will be displayed. Select the “On” switch of “Estimated travel time”.

Selected switch is highlighted in green.

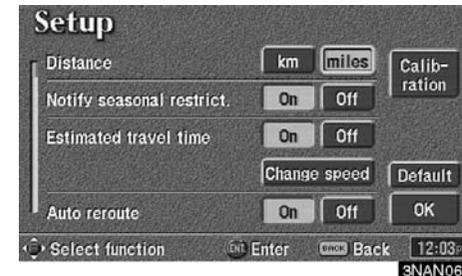
INFORMATION
<ul style="list-style-type: none"> • The displayed time to the destination is the approximate driving time calculated based on the speeds you selected and your actual position along the guidance route. • The time shown may vary greatly depending on your progress along the route (which may be affected by road conditions such as traffic jams, construction work, etc.). • Up to 99 hours 59 minutes can be displayed.

Distance

1. Push the “MENU” button.



2. Select the “Setup” switch.



3. Choose the “km” or “miles” switch of “Distance” to select your desired units.

Selected switch is highlighted in green.

4. Select the “OK” switch.

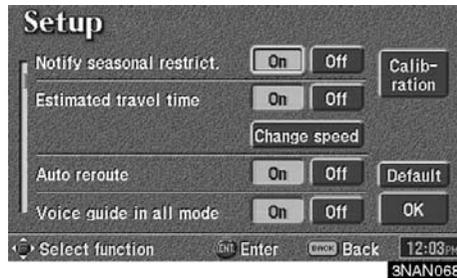
Corolla_MATRIX_Navi_U (L/O 0208)

Notify seasonal restrict

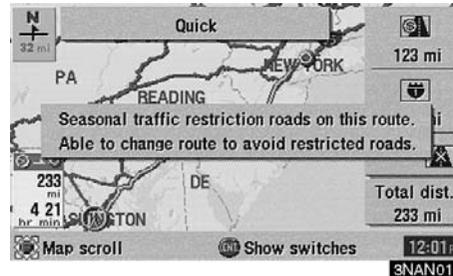
1. Push the “MENU” button.



2. Select the “Setup” switch.



3. Select the “On” switch of “Notify seasonal restrict.” and select the “OK” switch.



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

Voice guide in all mode

1. Push the “MENU” button.



2. Select the “Setup” switch.



3. Select the “On” switch of “Voice guide in all mode” and select the “OK” switch.

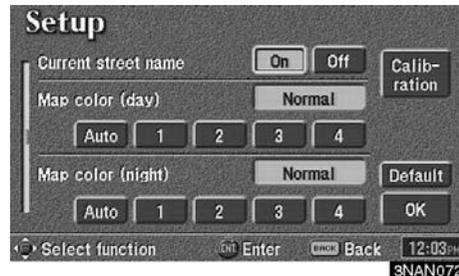
Corolla_MATRIX_Navi_U (L/O 0208)

Current street name

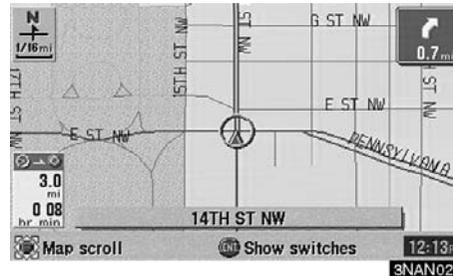
1. Push the “MENU” button.



2. Select the “Setup” switch.



3. Select the “On” switch of “Current street name” and select the “OK” switch.



The current street name appears on the map screen.

Maintenance information

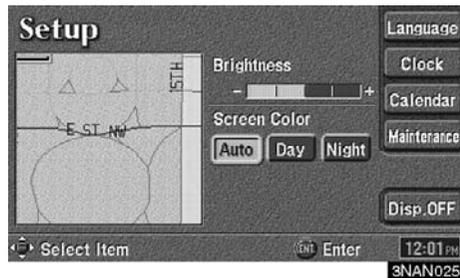


This system has a function which informs you of the time to replace certain parts or components as well as other information shown on the screen. (See “Information items” on page 80.) When the system begins operating after reaching either the information item’s date or driving distance, the “Information” screen will be displayed.

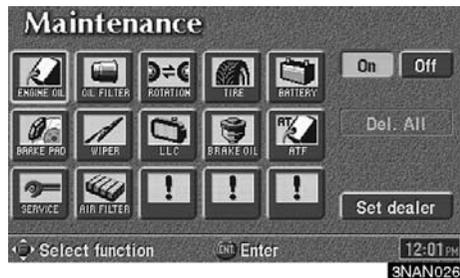
The “Information” screen will not be displayed or start up by selecting the “**Do not display this message again**” switch.

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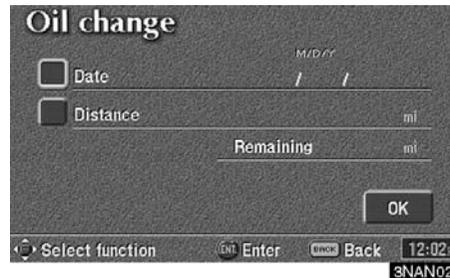
1. Push the “**SETUP**” button.



2. Push the “**Maintenance**” button to display the “**Maintenance**” screen.



3. Select your desired icon and input the conditions.



“**Date**”: Input the next maintenance date.

“**Distance**”: Input the driving distance until the next maintenance check.

When you select the  switch on the “Maintenance” screen, the screen changes to display the “Change name” screen. Select the keys to input your desired name and then input the conditions.

After you input that information, select the “**OK**” switch. The screen then returns to the “Maintenance” screen. The icon’s color will change to light blue after the date or driving distance is inputted. The icon’s color will change to orange when your vehicle needs to be serviced. The following switches appear on the screen.

“**Del. All**”: Cancel all conditions which have been inputted.

“**Reset all**”: Reset all items which satisfy either condition.

Select the “**Off**” switch at the top of the “Maintenance” screen, and the “Information” screen will no longer be displayed.

INFORMATION

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

Corolla_MATRIX_Navi_U (L/O 0208)

Information items



Oil change



Replace oil filter



Rotate tires



Replace tires



Replace battery



Replace brake lining



Replace wiper blades



Replace engine coolant



Replace brake fluid



Replace ATF



Scheduled maintenance



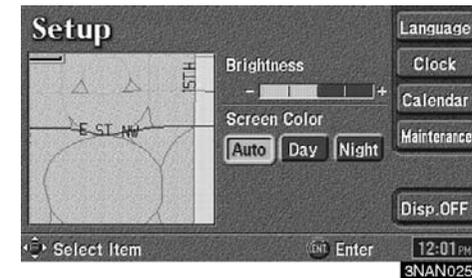
Replace air filter



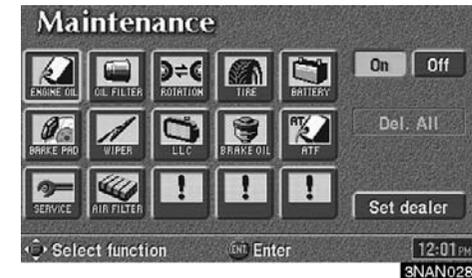
Personal

Dealer setting

1. Push the “**SETUP**” button.



2. Push the “**Maintenance**” button to display the “**Maintenance**” screen.



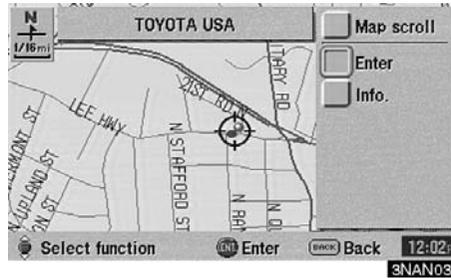
(a) Register dealer

You can register your dealer name and address.

1. Select the **“Set dealer”** switch on the **“Maintenance”** screen.



2. Enter your dealer’s location address in the same way as you input any destination. (See pages 8 through 23.)



After you enter your dealer, the screen changes and displays the map location of the dealer. If it is OK, select the **“Enter”** switch at the right of the screen.

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

(b) Edit dealer

You can edit your dealer’s name, staff, location and phone number if you already registered the dealer.

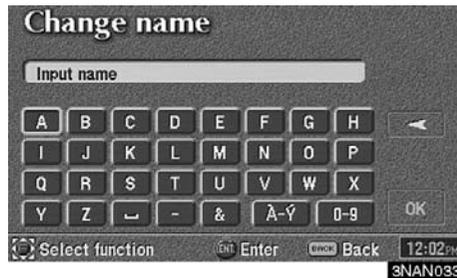
1. Select the **“Set dealer”** switch on the **“Maintenance”** screen. The **“Edit dealer”** screen appears.



2. Select the **“Change”** switch to edit the item.

Corolla_MATRIX_Navi_U (L/O 0208)

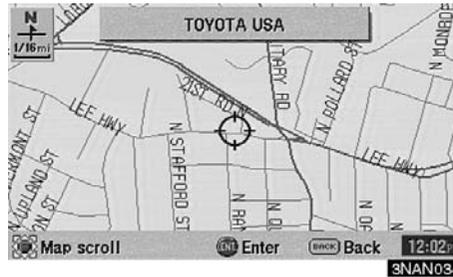
- Editing a “Dealer” or a “Contact”



Select alphabet, numeral or umlaut keys directly to input the name.

After you finish your entry, select the “OK” switch at the bottom right of the screen. The previous screen will be displayed.

- Editing a “Location”



Move the cursor  to the desired point, and if you want to register that point, push the “ENT” button.

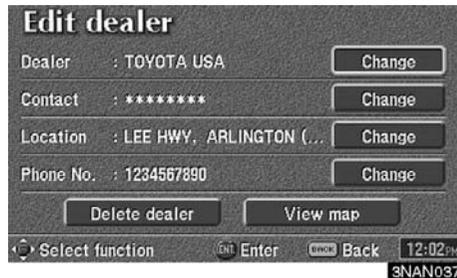
- Editing a “Phone number (telephone number)”



Select numeral keys.

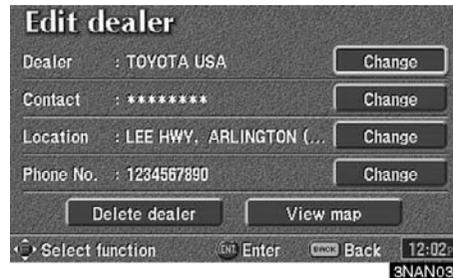
After you finish your entry, select the “OK” switch at the bottom right of the screen. The previous screen will be displayed.

(c) Delete dealer



1. Select the **“Delete dealer”** switch on the **“Edit dealer”** screen.
2. A selected point will appear. Also, a message will appear on the bottom of the screen. To delete, select the **“Yes”** switch. To cancel deletion, select the **“No”** switch.

(d) View map



Select the **“View map”** switch on the **“Edit dealer”** screen. The screen changes and displays the map location of the registered dealer and the route preference. (See **“Entering destination”** on page 23.)

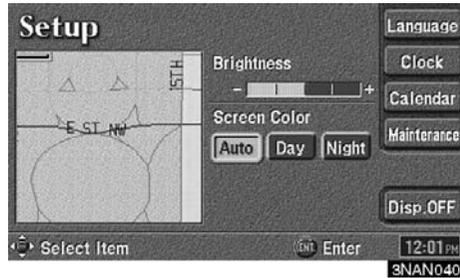
Calendar with memo



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

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

Corolla_MATRIX_Navi_U (L/O 0208)



Push the “**SETUP**” button. Push the “**Calendar**” button to display the “**Calendar**” screen.

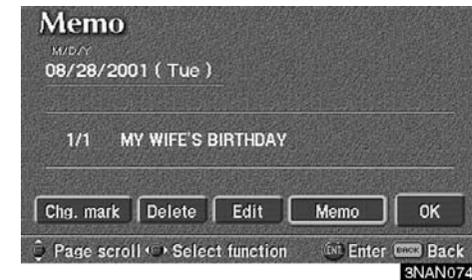


Today's date is highlighted. If today's date is not displayed on the screen, select “**Today**” switch to display a calendar of this month.

(a) Inputting a memo

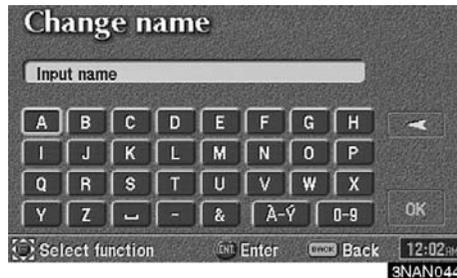


1. Select the day you want to input a memo.



2. Select the “**Memo**” switch to display the “**Change name**” screen.

Corolla_MATRIX_Navi_U (L/O 0208)



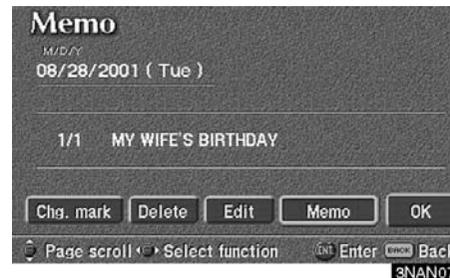
3. Select alphabet, umlaut keys directly to input a memo. You can input up to 24 letters.

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

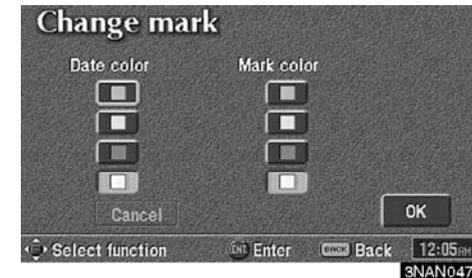
You can input a memo until December 31, 2020.



The date you inputted is displayed as above illustration.

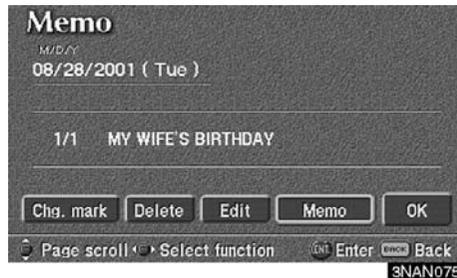


You can select your desired date and/or mark color. Select the **“Chg. mark”** switch on the “Memo” screen.



Select your desired date or mark color. If you want to default the date color you chose, select the **“Cancel”** switch on the “Change mark” screen. After you select the date and/or mark color, select the **“OK”** switch to display the previous screen.

(b) Adding a memo

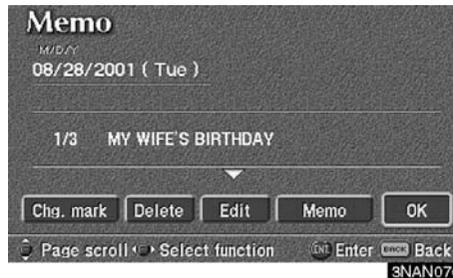


When you want to add a memo, directly select the date you want to add the memo.

The “Memo” screen appears on the display. If selecting the “Memo” switch, the memo input screen is displayed. (See page 84 for inputting a memo.)

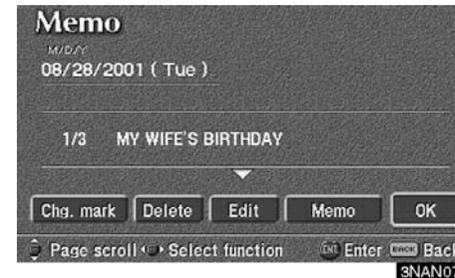
You can input up to three memos a day.

(c) Deleting a memo

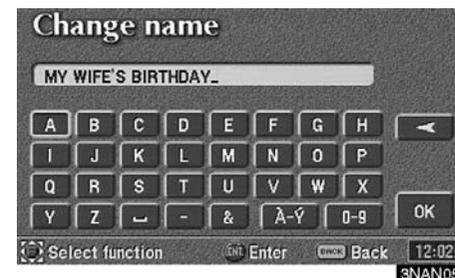


Select the date you already inputted the memo. Display the memo you want to delete and then select the “Delete” switch on the “Memo” screen. A message appears on the display. To delete, select the “Yes” switch. If not, select the “No” switch.

(d) Editing a memo



If you want to edit the memo, select the date. Selecting the “Edit” switch will display the memo edit screen. (See page 84 for the details.)



(e) Memo list



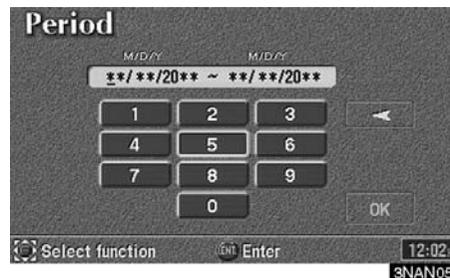
If you want to have a look of the memo you inputted, select the “List” switch to display the “Memo list”.

INFORMATION

Before changing to the “Memo list” screen, there is a case where “Search list” screen and “Period” screen will be displayed.



Select your desired search condition to list the memo. The “Memo list” is displayed on the screen.



In case of selecting the “Period” switch, you can display the “Memo list” as long as you desired. Select number keys to input your desired search period. After inputting a search period of time, select 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, select the switch of the memo.

If you want to delete all of the memo, select the “**Del. All**” switch. A message appears on the display. To delete, select the “**Yes**” switch. If not, select the “**No**” switch.

If you want to remove all of the colors of date you inputted, select the “**Remove color**” switch on the “Memo list” screen. A message appears on the display. To remove, select the “**Yes**” switch. If not, select the “**No**” switch.



“**Edit**”: Select the “**Edit**” switch. (See page 86 for details.)

“**Delete**”: Select the “**Delete**” switch. (See page 86 for details.)

SECTION IV

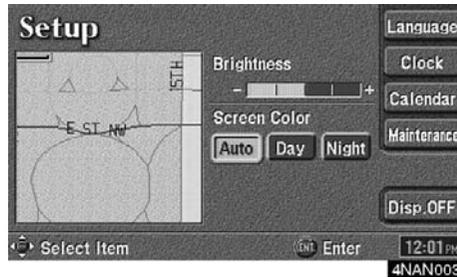
OTHER FUNCTIONS

Clock adjustment 90

Clock adjustment

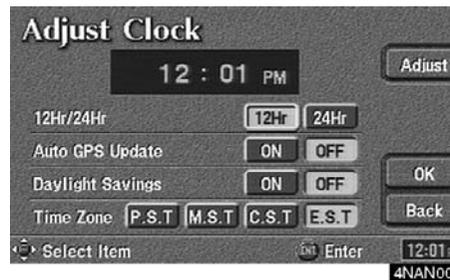
The clock in this system can be corrected manually or by using signals from the GPS. Daylight Saving Time setting or your desired time setting is available.

1. Push the **“SETUP”** button.



2. Push the **“Clock”** button.

• Clock setting



Select your desired switch you want to set.

“12Hr/24Hr”: You can select standard 12 hour AM/PM time, **“12Hr”**, or 24 hour military time, **“24Hr”**.

“Auto GPS Update”: If you select the **“ON”** switch, the time is automatically adjusted by the GPS clock. If you select the **“OFF”** switch, you can adjust the clock manually. (For the method of how to adjust the clock, see manual clock adjustment.)

“Daylight Savings”: Daylight savings time can be set or canceled.

“Time Zone”: You can select the time zone. Selected switch is highlighted in green.

• Manual clock adjustment



Push the **“Adjust”** button and select hour or minute. The highlighted numbers may then be adjusted by moving the select and scroll lever up or down. Push the **“Adjust”** button once again, and return to clock setting mode.

If you push the **“Adjust”** button, **“Auto GPS Update”** will turn to **“OFF”** automatically.

After making any changes on the “Adjust Clock” screen, push the “OK” button so that the previous screen will be displayed. You can also display the previous screen by pushing the “Back” button.

SECTION V

AUDIO SYSTEM

Quick reference for your audio system	92
Using your audio system	93
Car audio system operating hints	108

Quick reference for your audio system

“PWR/VOL” knob
 Push this knob to turn the audio system on and off, and turn it to adjust the volume. For details, see page 93.

“TA” button
 Push this button to seek a station that broadcasts traffic information regularly. For details, see page 101.

“CD” button
 Push this button to turn on the compact disc player or compact disc auto changer. For details, see page 105.

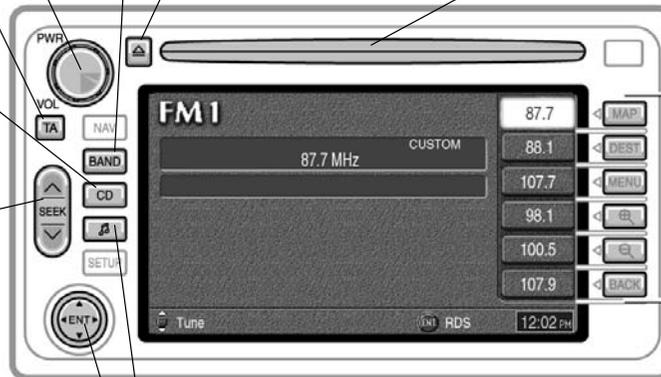
“SEEK” button
Radio: Push either side of this button to seek up or down for a station, or scan for a station. For details, see page 98.

Compact disc player: Push either side of this button to seek up or down for a track, or scan for a track. For details, see page 106.

“BAND” button
 Push this button to choose an audio control mode, FM1, FM2 or AM station. For details, see page 94 and 97.

Eject button
 Push this button to eject a compact disc.

Compact disc slot
 Push a compact disc into the slot.



Function buttons
 Push the button on the screen to control the radio or compact disc player. For details, see page 97.

“” button
 Push this button to display the sound control mode. For details, see page 95.

“ENT” button/Select and scroll lever
 In case of selecting a function and letter or moving cursor, move the lever. In case of deciding after selecting it on the screen, push the lever. For details, see page 97.

5NAN033

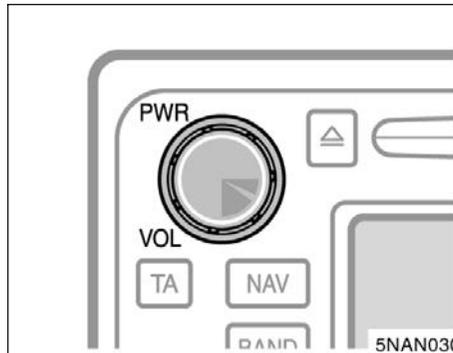
**Using your audio system—
—Some basics**

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

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

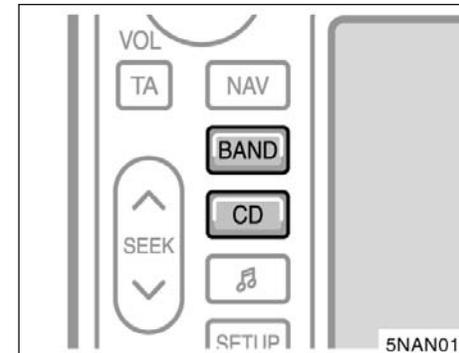
NOTICE

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



(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.



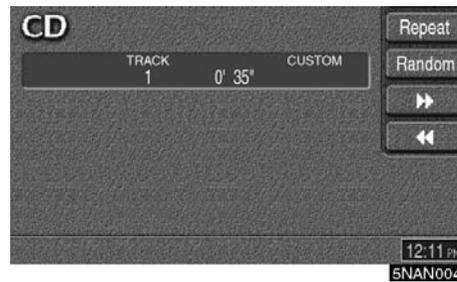
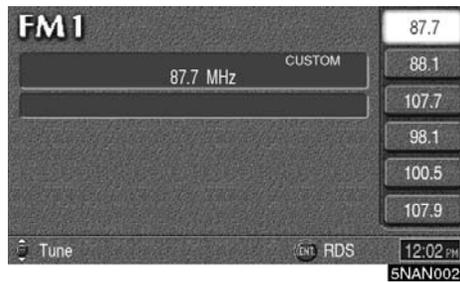
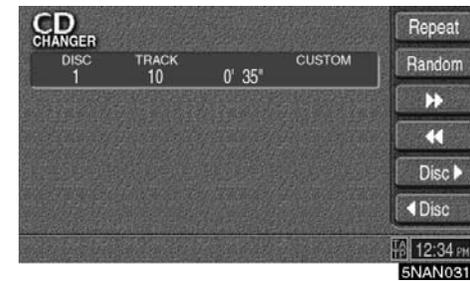
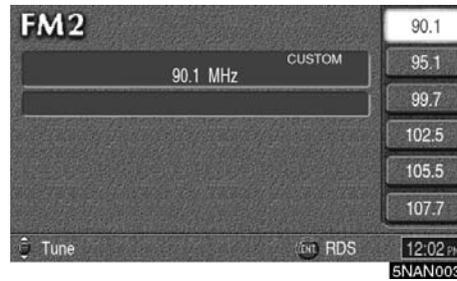
Push “BAND” (FM1, FM2 or AM) or “CD” button to turn on the desired mode. The selected mode turns on immediately and the screen turns to each audio control mode.

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

If a disc is not inserted, the compact disc player does not start playing.

You can turn off the compact disc player by ejecting the compact disc or pressing “BAND” button. The previous audio mode will come on again.

Corolla_MATRIX_Navi_U (L/O 0208)



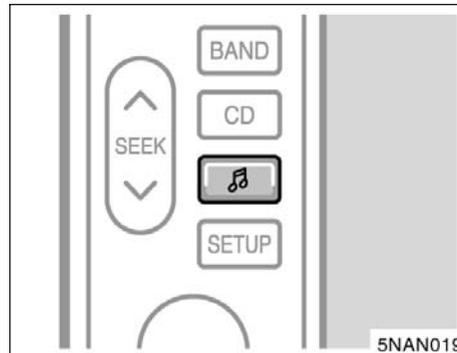
In the “BAND” (FM1, FM2 or AM) or “CD” mode, the applicable functions are shown in the right part of the display. Push the button just to the right to turn on each function.

Corolla_MATRIX_Navi_U (L/O 0208)

(b) 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.



Pushing the “” button will display the sound control mode. Adjust the tone and balance by moving the select and scroll lever.

“**Treble**”: Adjusts high-pitched tones.

“**Midrange**”: Adjusts mid-pitched tones.

“**Bass**”: Adjusts low-pitched tones.

“**Balance**”: Adjusts the sound balance between the right and left speakers.

“**Fader**”: Adjusts the sound balance between the front and rear speakers.

“**Speed Compensated Volume**”: Adjusts the volume level automatically to depending on road and wind noise as you drive. Adjusts the volume to the desired level.

Move the select and scroll lever to adjust the volume level to “Off”, “Low”, “Mid” or “High”. The higher the choice, the greater the volume compensation at faster vehicle speeds. This function will automatically adjust increasing the volume to overcome noise at any speed. The volume level will always be the same while you are driving. If you do not want to use speed compensated volume, adjust “Off”.

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EQ (Equalization) presets: This function is designed to select the preset EQ settings. Settings consist of the treble, mid-range and bass control positions which can be stored in the custom setting.

To use a preset EQ setting: Push the “” button when the radio or the compact disc player is on. You can choose from 5 presets and custom setting using the buttons: “EQ1”, “EQ2”, “EQ3”, “EQ4”, “EQ5” and “CUSTOM”. In radio mode, pressing the selected preset button for 2 seconds or more after selecting an EQ setting will store the EQ setting for each station.

To set “CUSTOM”: Push the “” button and the “CUSTOM” button. Then you can manually adjust the treble, mid-range or bass using the select and scroll lever. This will overwrite any previous custom setting that was saved with a station preset.

When a tuner preset is saved, the EQ preset name is saved along with the tuner settings. Additionally, the current EQ setting is saved with the current mode (AM, FM1, FM2 or CD).

(c) Your radio antenna

Your vehicle has a mast type antenna.

To remove the antenna, carefully turn it counterclockwise.

NOTICE

To prevent damage to the antenna, make sure it is removed before driving your vehicle through an automatic car wash.

(d) Your compact disc player

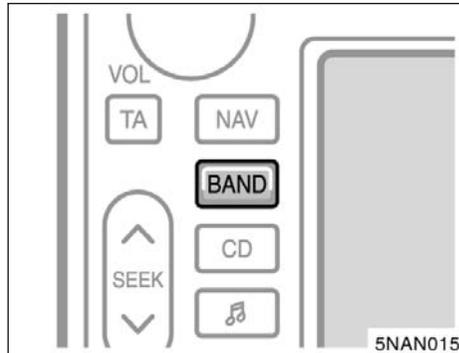
When you insert a compact disc, insert it with the label side up. The compact disc player will play from track 1 through the end of the disc. Then it will play from track 1 again.

NOTICE

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

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

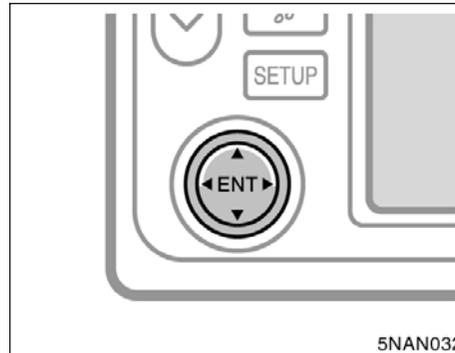
—Radio operation



(a) Listening to the radio

Push “BAND” (FM1, FM2 or AM) button to choose either an AM or FM station.

“AM”, “FM1” or “FM2” appears on the screen.



Move this select and scroll lever up to step up the station band or down to step down.

Your radio automatically changes to stereo reception when a stereo broadcast is received. “Stereo” appears on the screen. 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, “Stereo” disappears from the screen.

1. Tune in the desired station.

2. Push one of the radio preset function buttons and hold it until you hear a beep. This sets the station to the preset and its frequency appears on the button label.

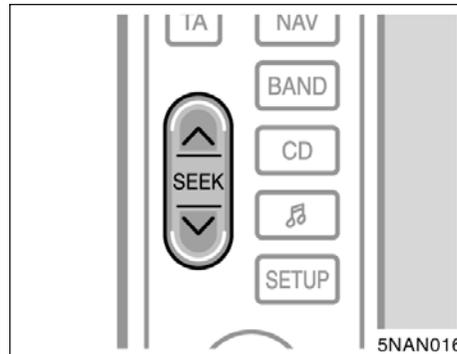


(b) Presetting a station

Corolla_MATRIX_Navi_U (L/O 0208)

At the same time, the current EQ setting is stored. When the preset station is an RDS station, the program name may appear.

Each radio mode (AM, FM1 or FM2) can store up to 6 stations. To change the preset station to a different one, follow the same procedure.



(c) Selecting a station

Tune in the desired station using one of the following methods.

Preset tuning: Push the function button for the station you want. The station frequency appears on the screen.

Seek tuning: Push either side of the "SEEK" button for less than 2 seconds. 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, stations will be searched out one after another.

To scan all frequencies: Push and hold either side of the "SEEK" button for more than 2 seconds and less than 4 seconds until you hear a beep. "SCAN" appears on the screen. The radio will find the next station and stay there for a few seconds, and then scan again. To select a station, push the "SEEK" button again.

To scan preset stations: Push and hold either side of the "SEEK" button for more than 4 seconds until you hear two beeps. "P.SCAN" appears on the screen. The radio will tune in the next preset station, stay there for a few seconds, and then move to the next preset station. To select a station, push the "SEEK" button again.

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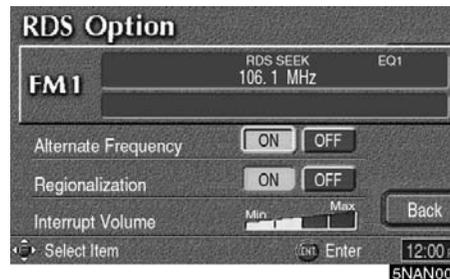
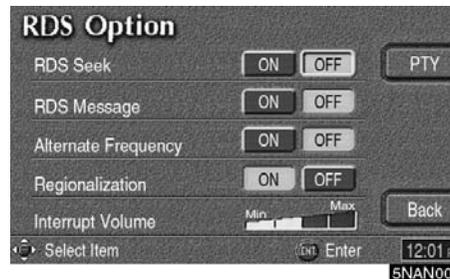
(d) Radio Data System

Your audio system is equipped with Radio Data Systems (RDS). RDS mode provides you to receive text messages from radio stations that utilize RDS transmitters.

When RDS is on, the radio can

- select only stations of a particular program type,
- display messages from radio stations,
- search for a stronger signal station,
- search for local stations broadcasting the same network as the vehicle travels,
- receive announcements concerning local and national emergencies (even if RDS function is turned off).

RDS features are available for the use only on FM stations which broadcast RDS information.



“RDS SEEK”

This button allows you to search all available RDS stations out of the entire FM band and sort them by program type (See following “PTY” button for details on program types).

Push the “ENT” button in FM mode to switch the screen to “RDS Option”.

You can select the following function:

“**RDS Seek**”: Turn RDS seek operation on and off.

“**RDS Message**”: Turn RDS broadcast message on the display on and off.

“**Alternate Frequency**”: Turn automatic selection of RDS network playing the same network broadcast on and off.

“**Regionalization**”: Turn RDS network broadcast on and off in favor of broadcasting local or regional content.

“**Interrupt Volume**”: Adjust the volume level for RDS interrupt.

To seek an RDS station, select “ON” for “RDS Seek”, “RDS Message” and “Alternate Frequency” by the select and scroll lever and push the “ENT” button. Quickly push the “SEEK” button on either side.

During the program type search, “RDS SEEK” will be shown on the screen.

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“ALERT”

This type of announcement warns of national or local emergencies. You will not be able to turn off alert announcements. Alert announcements will come on when the RDS station is received. “ALERT” appears on the screen when an alert announcement plays. The radio uses interrupt volume during these announcements. When an alert announcement comes on the tuned radio station or a related network station, you will hear it even if the volume is muted or a compact disc is playing. If the radio tunes to a related network station for an alert announcement, it will return to the original station when the announcement is finished. If the compact disc player is playing, play will stop for the announcement and resume when the announcement is finished.



“PTY” button

Push the “ENT” button in FM mode to switch the screen to “RDS Option”.

This button is used for changing the “PTY Selection” of RDS stations in all RDS mode. 26 program types are available as listed here.

The following program type names are available.

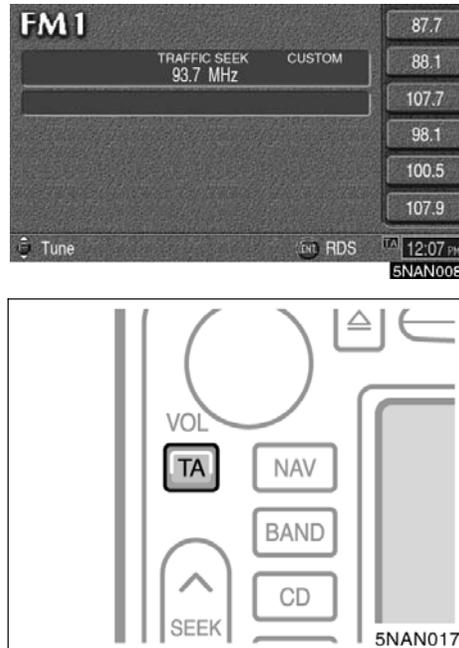
- News
- Information
- Sports
- Talk
- Rock
- Classic Rock
- Adult Hits

- Soft Rock
- Top 40
- Country Music
- Oldies Music
- Soft
- Nostalgia
- Jazz Music
- Classical Music
- R & B
- Soft R & B
- Language
- Religious Music
- Religious Talk
- Personality
- Public
- College
- Weather
- Test (Emergency message)
- ALERT (Emergency message)

Any: When you select “Any”, all program types are selected.

None: When you select “None”, selected program types are cancelled.

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(e) Traffic announcement

“TA” button

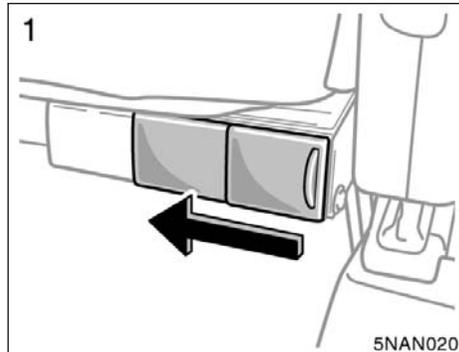
When in FM1 or FM2 mode, push and release the “TA” button for less than 2 seconds to toggle the TA icon on and off and change the radio’s response to traffic announcements. Push and hold the “TA” button for more than 2 seconds to cause the tuner to seek to the next RDS station capable to broadcasting traffic announcements. If the tuner stops on a radio station that is an active traffic program, “TP” will be displayed and TA will be set to on. If no traffic program is found during traffic seek, TA will still be turned on. If a traffic interrupt is received and TA is active, the volume will be increased to the predefined interrupt volume setting for the duration of the traffic interrupt. If TA is on and the audio mode is compact disc or compact disc auto changer operation, a traffic interrupt will also pause playback and change the audio mode to tuner. The volume will be increased to the predefined interrupt volume setting for the duration of the traffic interrupt. Once the traffic interrupt has ended, the previous audio mode will resume.

You can decrease the volume independently from the memorized interrupt volume range while receiving a TA station.

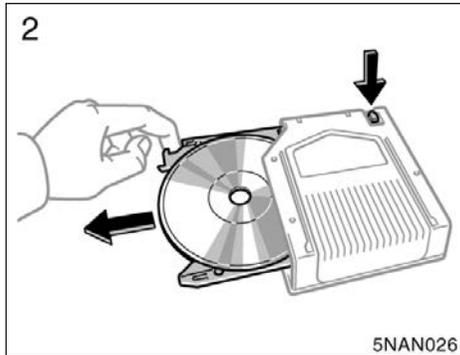
Traffic announcement can be canceled by pressing the “TA” button again.

—Compact disc player
operation

(a) Inserting compact discs

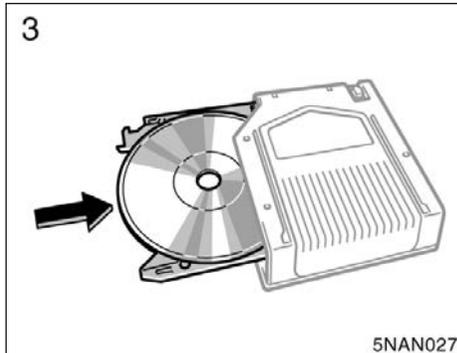


1. Slide open the cover of the compact disc auto changer under the front passenger seat. The magazine will come out from the compact disc auto changer.



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

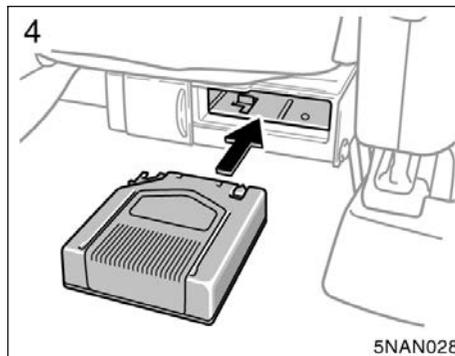
Corolla_MATRIX_Navi_U (L/O 0208)



3. Place a disc on the tray with its label face up, and insert the tray into the slot.

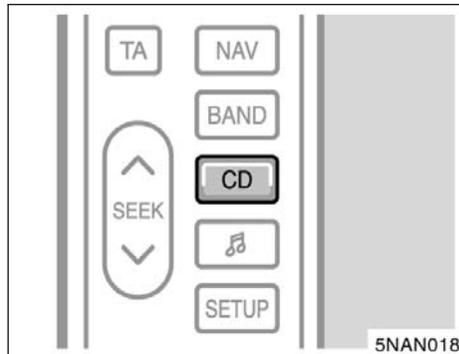
The magazine can store 6 discs of 12 cm (4.7 in.).

The player will skip any empty disc trays.



4. Insert the magazine into the compact disc auto changer as shown above. Then close the cover of the compact disc auto changer.

Corolla_MATRIX_Navi_U (L/O 0208)



(b) Playing a compact disc

Push the “CD” button if a compact disc is already loaded in the slot.

“CD” appears on the screen.



Compact disc changer—

Push the “CD” button twice if the magazine is already loaded in the player.

“CD CHANGER” appears on the screen.

The discs set in the magazine are played continuously. The number of the currently-playing disc, the track number and the time from the beginning of the program are shown on the screen.

When play of one disc ends, the first track of the following disc starts. When play of the final disc ends, play of the first disc starts again.

The player will skip any empty disc trays.

Pushing the “CD” button while playing a disc in the CD changer will switch from the disc in the changer to the disc in the compact disc player.

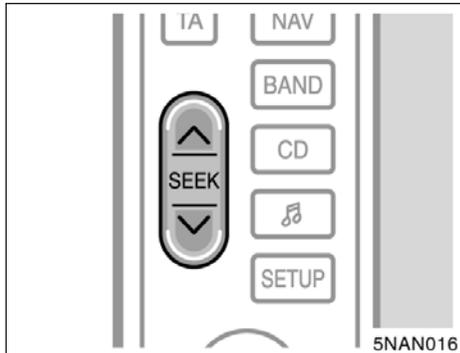
If you push the “CD” button when the source is other than the compact disc, a disc in the compact disc player or CD changer, whichever was previously used, will play.

(c) Selecting a desired disc (compact disc changer)

Push the “Disc ►” or “◀ Disc” button unit the desired disc number is appeared.

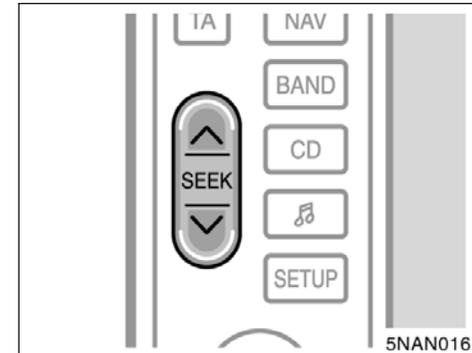
The player will start playing the selected disc from the first track.

Corolla_MATRIX_Navi_U (L/O 0208)



Fast forward: Push the “▶▶” button and hold it to fast forward the disc. When you release the button, the compact disc player will resume playing from that position.

Reverse: Push the “◀◀” button and hold it to reverse the disc. When you release the button, the compact disc player will resume playing.



(d) Selecting a desired track

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

Push either side of the “SEEK” button for less than 2 seconds. The track number appears on the screen. If you hear a beep, you held the button too long, and the player will scan the disc. To select the current track, push either side of the “SEEK” button again.

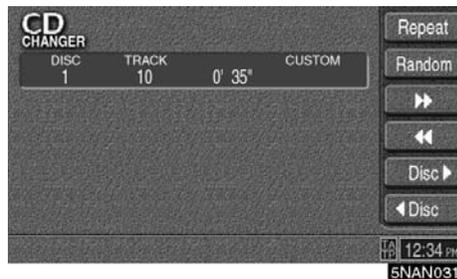
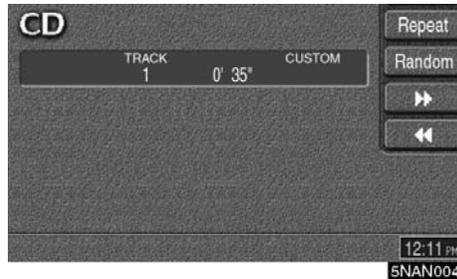
(e) Searching for a desired track

Push and hold either side of the “SEEK” button until a beep sounds.

The compact disc player will play the next track for 10 seconds, then scan again. To select a track, push the “SEEK” button a second time. If the player reaches the end of the disc, it will continue scanning from track 1.

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

Corolla_MATRIX_Navi_U (L/O 0208)



(f) Other compact disc player functions

Compact disc player—

Repeating a track: Select it for automatic repeat of the track you are currently listening to.

Push the “Repeat” button 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, push the button again.

Random playing for the tracks on a disc: Select it for automatic random selection.

Push the “Random” button to make the system select a track in the disc. To cancel it, push the button again.

Compact disc changer—

Repeating a track: Select it for automatic repeat of the track you are currently listening to.

Push the “Repeat” button for less than 2 seconds while the disc 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, push the button again.

Repeating a disc: Select it for automatic repeat of the disc you are currently listening to.

Push the “Repeat” button for more than 2 seconds while the disc is playing. When the disc is finished, the player will automatically go back to the beginning of the disc and play it again. To cancel it, push the button again.

Random playing for the tracks on a disc: Select it for automatic random selection.

Push the “Random” button for less than 2 seconds. The player will play the tracks on a specified disc in random order.

To cancel it, push the button again.

Random playing for all the tracks in the magazine: Select it for automatic track selection for all the discs and play by the system.

Push the “Random” button for more than 2 seconds. The system selects a track from the discs in all the magazine which are set and plays it. To cancel it, push the button again.

(g) If the player malfunctions

If the player does not operate, check that the disc surface is not soiled or damaged. If the disc is O.K., the following causes are possible.

- The temperature of the player's internal mechanism may be raised because of high external temperature. Remove the disc from the player to cool it.

Compact disc changer—

- Condensation may have occurred on the internal mechanism of the automatic changer. Open the cover to let the air circulate.
- The temperature of the player's internal mechanism may be raised because of high external temperature. Remove the magazine from the player to cool it.

If the player still does not operate, have it checked by your dealer.

Car audio system operating hints

NOTICE
<p>To ensure the correct audio system operation:</p> <ul style="list-style-type: none">◆ Be careful not to spill beverages over the audio system.◆ Do not put anything other than a Compact Disc into the slot.◆ The use of 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, a 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. 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 COMPACT DISC PLAYER AND DISCS

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

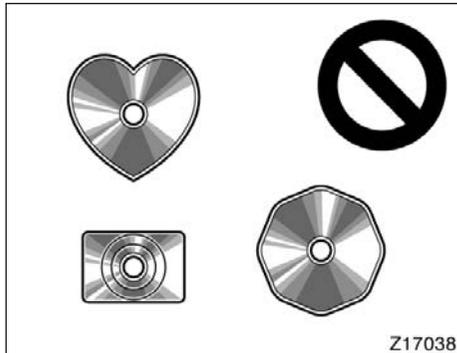


- Use only compact discs marked as shown above. The following products may not be playable on your compact disc player.

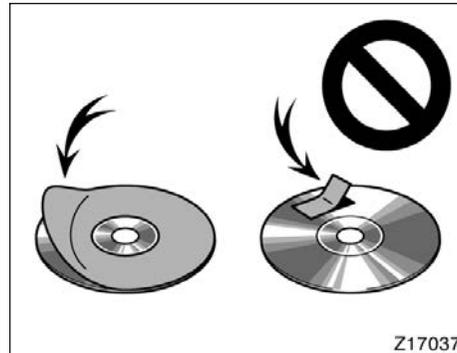
Copy-protected CD
CD-R (CD-Recordable)
CD-RW (CD-Re-writable)
CD-ROM

⚠ CAUTION

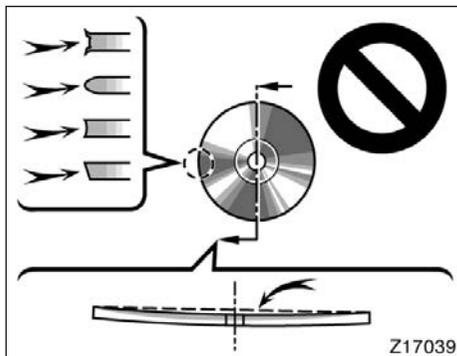
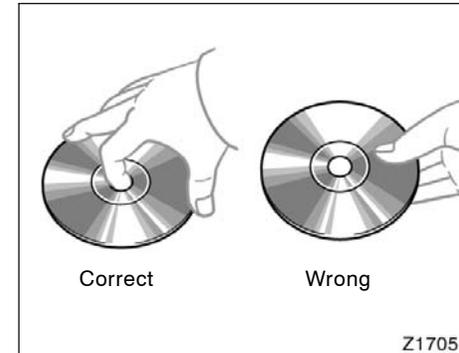
Compact disc players use an invisible laser beam which could cause hazardous radiation exposure if directed outside the unit. Be sure to operate the player correctly.



Special shaped discs



Labeled discs

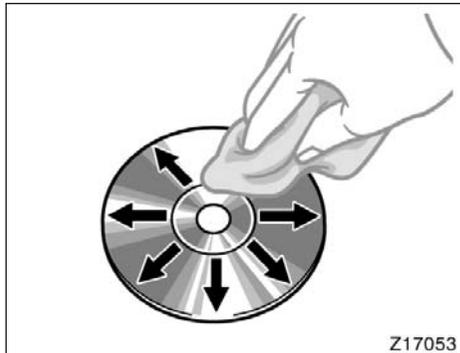


Low quality discs

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.

- Handle compact discs carefully, especially when you are inserting them. 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 compact disc player when you are not listening to them. Store them in their plastic cases away from moisture, heat, and direct sunlight.



To clean a compact 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 circles). Dry it with another soft, lint-free cloth. Do not use a conventional record cleaner or anti-static device.