Introduction

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

The 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 indicates your present position and assists 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. The calculated routes may not be the shortest nor the least traffic congested. Your own personal local knowledge or “short cut” may at times be faster than the calculated routes.

The navigation system’s database includes about 75 Point of Interest categories to allow you to easily select destinations such as restaurants and banks. If a destination is not in the database, you can enter the street address or a major intersection close to it and the system will guide you there. The system will provide both a visual map and audio instructions. The audio instructions will announce the distance remaining and the direction to turn in 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 9 through 11.

TOYOTA MOTOR CORPORATION

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

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

INFORMATION

This provides additional information.

Initial screen

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

⚠ CAUTION

When the vehicle is stopped with the hybrid system operating, always apply the parking brake for safety.

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

Touch either “English” or “Français” to select a language. Read and follow the instructions.

When you touch the “I Agree” switch on the screen, the map screen appears.

You can access this screen when you push the **“INFO”** button and touch the **“Language”** switch. Then you can select a language.

Safety Instruction

To use your system in the safest possible manner, 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 driving should always be the safe operation of your vehicle. While you are driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, 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 the 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 obey the traffic regulations and maintain awareness of the road conditions. If a traffic sign on the road has been changed, route guidance may provide wrong information such as the direction of a one way street.**

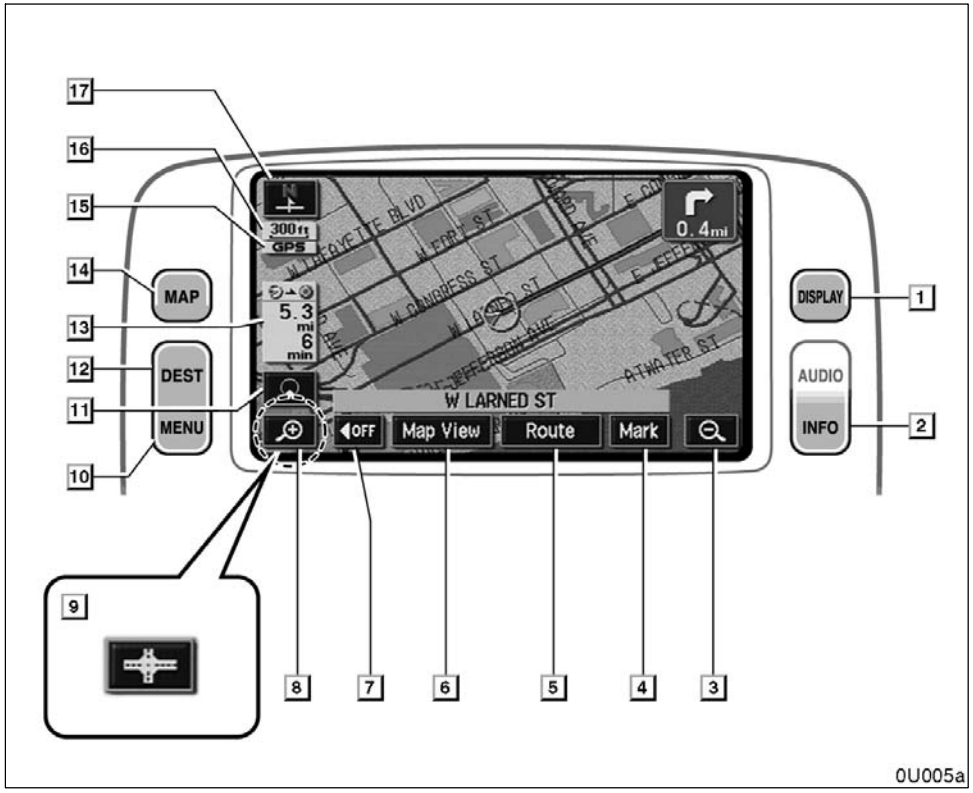
While you are driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do not totally rely on voice guidance. Use it just for your information. If the system cannot determine your current position correctly, there is a possibility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

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

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

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

— Quick reference



1 “DISPLAY” button

Push this button to display the “Display” screen. 113

2 “INFO” button

Push this button to display the “Information Menu” screen. . . . . ii, 100, 105, 112

3 Zoom out switch

Touch this switch to reduce the map scale. 8

4 “Mark” switch

Touch this switch to register the cursor position as a memory point. 6

5 “Route” switch

Touch this switch to change the route. 46, 48

6 “Map View” switch

Touch this switch to obtain information regarding the route to the destination and information about the POI (Points of Interest) on the map screen. 53, 55, 56

7 “◀OFF” switch

Touch this switch to obtain a broader view. Some of the switches on the screen are not displayed. They reappear by touching the “ON ▶” switch. 93

8 **Zoom in switch**

Touch this switch to magnify the map scale. 8

9 **Foot print map switch**

Touch this switch to display the foot print map and the building information. 62

10 **“MENU” button**

Push this button to display the “Menu” screen. . . . . x, 21, 65

11 **Screen configuration switch**

Touch this switch to change the screen mode. 57

12 **“DEST” button**

Push this button to display the “Destination” screen. . . . . viii, 24

13 **Distance and time to destination**

Displays the distance and the estimated travel time to the destination. 61

14 **“MAP” button**

Push this button to repeat a voice guidance, cancel one touch scroll, start guidance and display the current position. 4, 5, 46

15 **“GPS” mark (Global Positioning System)**

Whenever your vehicle is receiving signals from the GPS, this mark is displayed. 9

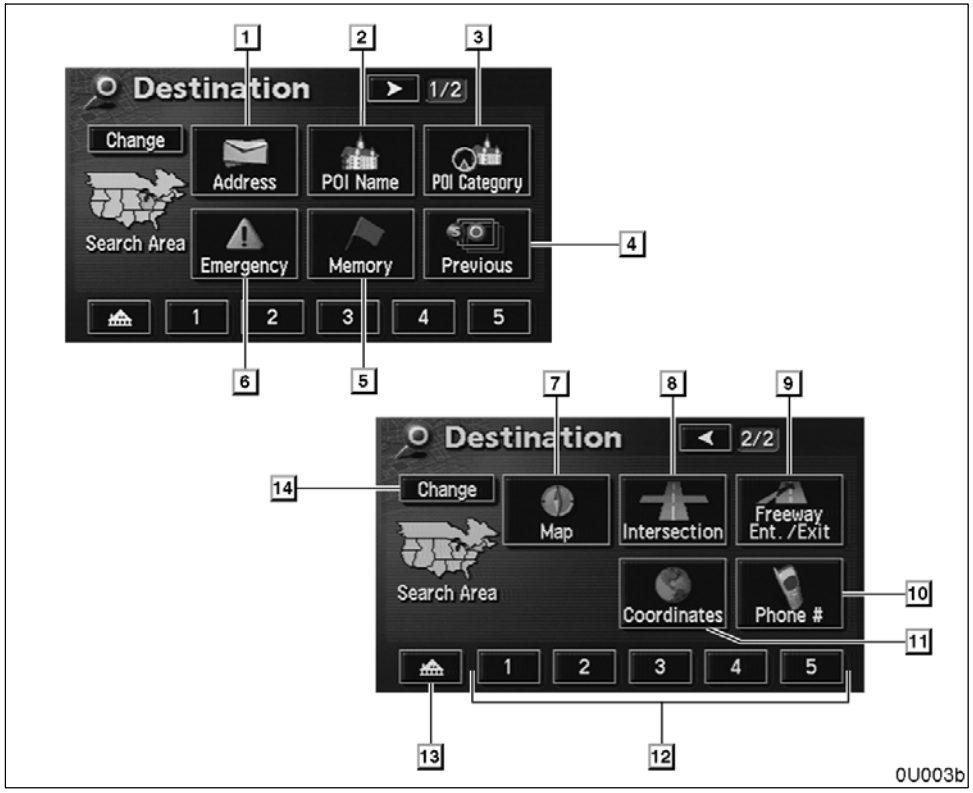
16 **Scale indicator**

This figure indicates the map scale. 8

17 **North−up or heading−up symbol**

This symbol indicates a map view with north−up or heading−up. Touching this symbol changes the map orientation. 9

— “Destination” screen



To search for a destination, the switches below perform the following operations.

1 “Address” switch

You can input the house number and the street address by using the input keys. 26

2 “POI Name” switch

You can select one of the many POIs (Points of Interest) that have already been stored in the system’s database. 30

3 “POI Category” switch

You can select a destination from the POI category. 33

4 “Previous” switch

You can select a destination from any of the last 99 previously set destinations and from the previous starting point. 38

5 “Memory” switch

You can select the location from those registered as “Memory points”. (To register memory points, see page 70.) 37

6 “Emergency” switch

You can select one of the three categories of emergency service points that have been already stored in the system’s database. 36

7 **“Map” switch**

You can select a destination simply by touching the location on the displayed map. 38

8 **“Intersection” switch**

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. 39

9 **“Freeway Ent./Exit” switch**

You can enter the name of a freeway (interstate) entrance or exit. 40

10 **“Phone #” switch**

You can enter a destination by the telephone number. 41

11 **“Coordinates” switch**

You can set a destination using latitude and longitude as coordinates. 41

12 **Quick access switch**

You can select one of 5 preset destinations directly. To use this function, it is necessary to set the “Attribute” for each memory point. (To register a “Quick Access”, see page 74.) 26

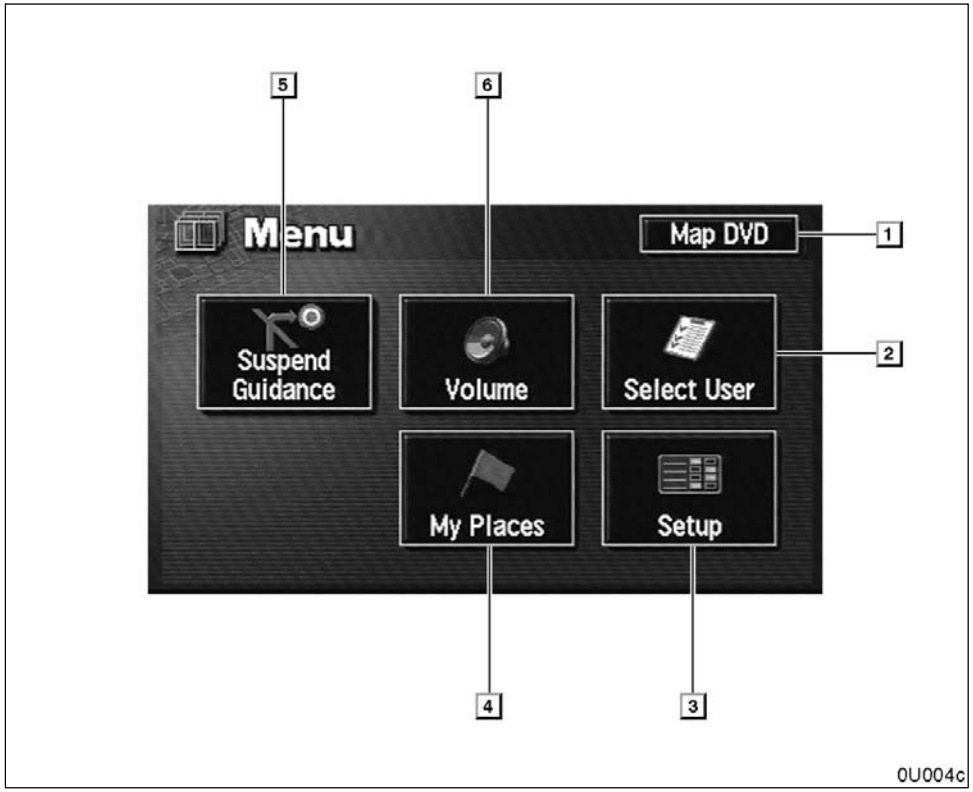
13 **Home switch**

You can select your own home without entering the address each time. To use this function, it is necessary to set the “Attribute” for the memory point. (To register “Home”, see page 74.) 26

14 **“Change” switch**

To change the search area, touch this switch. 24

— “Menu” screen



The switches below perform the following operations.

1 “Map DVD” switch

Displays information regarding the disc version or covered area. 12

2 “Select User” switch

Enables recall of up to three memorized user setting patterns. 67

3 “Setup” switch

Enables various settings for the navigation system. 80

4 “My Places” switch

Enables changes to “Memory points” and “Areas to avoid”. 70

5 “Suspend Guidance” and “Resume Guidance” switch

Suspends or resumes guidance. 66

6 “Volume” switch

Sets the volume for voice guidance. 67

SECTION I

BASIC FUNCTIONS

Basic information before operation

Touch switch operation 2
Inputting letters and numbers 2
Current position display 4
Screen scroll operation (one−touch scroll) 5
Map scale 8
Orientation of the map 9
Limitations of the navigation system 9
Map database information and updates 12

Touch switch operation

This system is operated mainly by the switches on the screen. To prevent damage to the screen, lightly touch switches on the screen with your finger. When you touch a switch on the screen, a beep sounds.

Do not use objects other than your finger to touch the screen.

INFORMATION

- ***If the system does not respond to a touch of a switch, move your finger away from the screen and then touch it again.***
- ***You cannot operate dimmed switches.***
- ***Wipe off fingerprints on the surface of the display using a glass cleaning cloth.***
- ***The displayed image may become darker and moving images may be slightly distorted when the display is cold.***
- ***When you look at the screen through polarised material such as polarised sunglasses, the screen may be dark and hard to see. If so, take off your sunglasses.***

Inputting letters and numbers

When searching for an address or a name, or entering a memo, you can input letters and numbers via the touch screen.

- **To input letters**

To display the alphabet keys, touch the **"A–Z"** switch or the **"À–Ý"** switch.

Enter letters by touching the alphabet keys directly.

◄ : Touching this switch erases one letter. Holding this switch will continue to erase letters.

- **To input numerals and symbols**

To display the number keys and symbol keys, touch the **"0–9"** switch.

Enter numerals and symbols by touching the number keys and symbol keys directly.

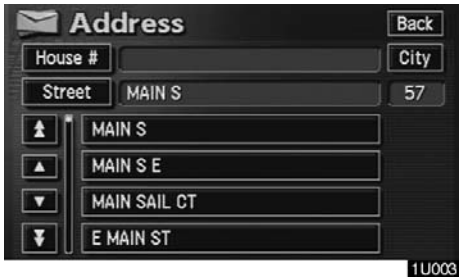
◄ : Touching this switch erases one letter. Holding this switch will continue to erase letters.

➤ : Touching this switch displays other symbols.

- **To display the list**

To search for an address or a name, touch the **"List"** switch. Matching items from the database are listed even if the entered address or name is incomplete.

If the number of matches is four or less, the list is displayed without touching the **"List"** switch.

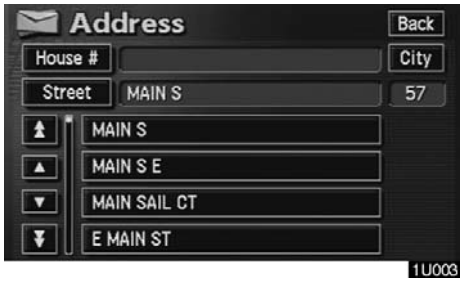


INFORMATION

The number of matching items is shown to the right side of the screen. If the number of matching items is more than 9,999, the system displays "*" on the screen.***

- **List screen operation**

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



To shift to the next or previous page.

To scroll up or down one item at a time.

This expresses a displayed screen position.

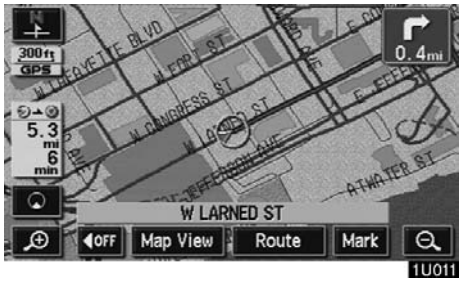
If ▶ appears to the right of the item name, the complete name is too long for the display. Touch ▶ to scroll to the end of the name.

Touch ◀ to scroll to the beginning of the name.

Current position display

When starting the navigation system, the current position is displayed first.

This screen displays the current vehicle position and a map of the surrounding local area.



The current vehicle position mark appears in the center or bottom 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"** button.

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

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

INFORMATION

- ***After 12 volt battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the system receives signals from the GPS, the correct current position is displayed.***
- ***To correct the current position manually, see page 81.***

Screen scroll operation (one−touch scroll)

Touch any point on the map and that point moves to the center of the screen and is shown by the cursor mark.

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

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

After you scroll the screen, the map remains centered at the selected location until you activate another function. The current vehicle position mark will continue to move along your actual route and may move off the screen. When you push the **"MAP"** button, the current vehicle position mark returns to the center of the screen and the map moves as you proceed along the designated route.

INFORMATION

When you use the one−touch scroll feature, the current vehicle position mark may disappear from the screen. Move the map with a one−touch scroll again or push the "MAP" button to return to the current vehicle position map location display.

- **To set the cursor position as a destination**

You can set a specific point on the map as a destination using the one−touch scroll function.

Touch the "Enter ⊙" switch.

The screen changes and displays the map location of the selected destination and the route preference. (See " — Entering destination" on page 42.)

If there is already a preset destination, touch the **"Add to ⊙"** switch or the **"Replace ⊙"** switch.

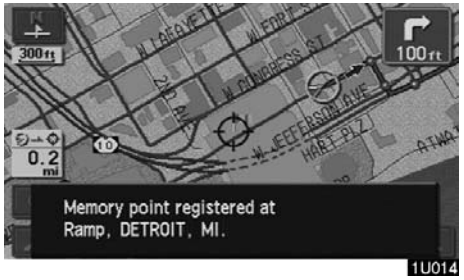
When there is already a preset destination, using the **"Add to ⊙"** switch to set an additional destination, will set the new one as the first point of arrival.

- **To register the cursor position as a memory point**

Memory point registration enables easy access to a specific point.

Touch the "Mark" switch.

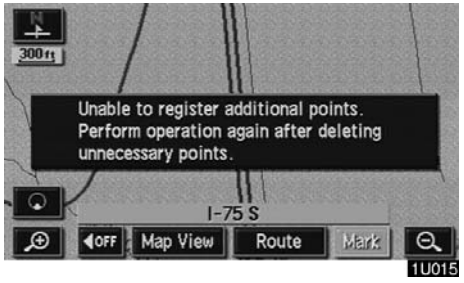
When you touch the **"Mark"** switch, the following screen appears for a few seconds, and then the map screen returns.



The registered point is shown by ⚑ on the map.

To change the icon or name, etc., see page 72.

You can register up to 106 memory points. If you attempt to register more than 106, a message appears for confirmation.



- **To see information about the icon where the cursor is set**

To display information about an icon, set the cursor on it.

POI INFORMATION

When the cursor is set on a POI icon, the name and **"Info."** switch are displayed on the top of the screen.

Touch the “Info.” switch.

Information such as the name, address, and phone number are displayed.

If you touch the **“Enter ⊙”** switch, the position of cursor is set as a destination.

If there is already a preset destination, the **“Add to ⊙”** switch and the **“Replace ⊙”** switch are displayed.

When there is already a preset destination, using the **“Add to ⊙”** switch to set an additional destination, will set the new one as the first point of arrival.

To register this POI as a memory point, touch the **“Mark”** switch. (For details, see page 70.)

INFORMATION

The desired Point of Interest can be displayed on the map screen. (For details, see page 53.)

MEMORY POINT INFORMATION

When the cursor is set on a memory point icon, the name and **“Info.”** switch are displayed on the top of screen.

Touch the “Info.” switch.

Information such as the name, location, and phone number are displayed.

If you touch the **“Enter ⊙”** switch, the position of cursor is set as a destination.

If there is already a set destination, the **"Add to ⊙"** switch and the **"Replace ⊙"** switch are displayed.

When there is already a preset destination, using the **"Add to ⊙"** switch to set an additional destination, will set the new one as the first point of arrival.

To edit a memory point, touch the **"Edit"** switch. (For details, see page 72.)

Map scale

Touch the or switch to change the scale of the map display. The scale bar and indicator at the bottom of the screen indicates the map scale menu. The scale ranges 150 feet (50 m) to 250 miles (400 km).

Touch the or switch until the scale bar changes normally. If you continue to touch on the switch, the scale bar changes smoothly.

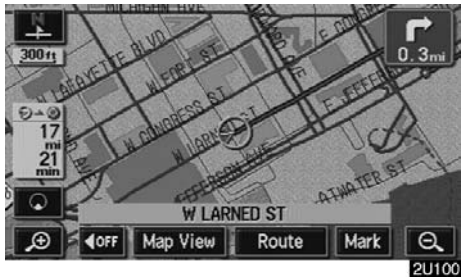
You can change the scale of the map display by touching the scale bar directly. It is not available during driving.

The map scale is displayed under the north–up symbol or heading–up symbol at the top left of the screen.

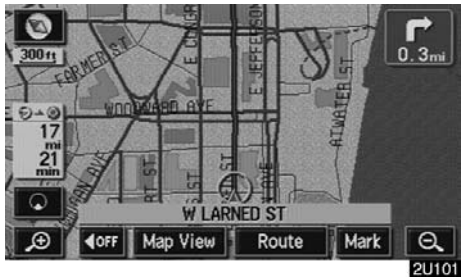
INFORMATION

When the map scale is at the maximum range of 250 miles (400 km), is not shown. When the map scale is at the minimum range of 150 feet (50 m), is not shown. However, in the area where the foot print map is contained, when the map scale is changed to 150 feet (50 m), the switch changes to the switch.

Orientation of the map



North−up screen



Heading−up screen

You can change the orientation of the map from north−up to heading−up by touching the orientation symbol at the top left of the screen.

North−up symbol

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

Heading−up symbol

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

Limitations of the navigation system

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

The Global Positioning System (GPS) developed and operated by the U.S. Department of Defense provides an accurate current vehicle position using 3 to 4 satellites. The GPS system has a certain level of inaccuracy. While the navigation system will compensate for this most of the time, occasional positioning errors of up to 300 feet (100 m) can and should be expected. Generally, position errors will be corrected within a few seconds.

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

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

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

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

NOTICE

The installation of window tinting may obstruct the GPS signals. Most window tinting contains some metallic content that will interfere with GPS signal reception. We advise against the use of window tinting on vehicles equipped with navigation systems.

(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 winding 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 direction 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 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 information on setting the current position calibration, see page 81.

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

- When turning at an intersection off the designated route guidance.
- If you set more than one destination but skip any of them, auto reroute will display a route returning to the destination on the previous route.
- When turning at an intersection for which there is no route guidance.
- When passing through an intersection for which there is no route guidance.
- During auto reroute, the route guidance may not be available for the next turn to the right or left.
- It may take a long time to operate auto reroute during high speed driving. In auto reroute, a detour route may be shown.
- After auto reroute, the route may not be changed.
- An unnecessary U−turn may be shown or announced.
- A location may have multiple names and the system will announce one or more.
- Some routes may not be searched.
- If the route to your destination includes gravel, unpaved roads or alleys, the route guidance may not be shown.
- Your destination point might be shown on the opposite side of the street.
- When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time or season or other reasons.
- The road and map data stored in your navigation system may not be complete or may not be the latest version.

After replacing the tire, implement the operation described in the "● Tire change calibration". (For details, see page 82.)

This navigation system uses 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.

Map database information and updates

This system uses the maps of DENSO.

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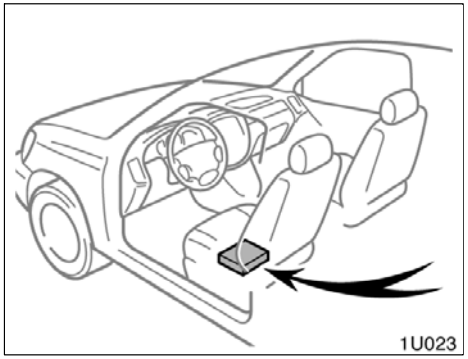
There are two types of areas available for route guidance. In one type of area, primarily around metropolitan centers, detailed route guidance is available for the entire area. In the other type of area, all roads are displayed on the map but route guidance is limited. The navigation route might lack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

In order to provide you with as accurate map information as possible, we are always gathering information such as on road repairs and carrying out on−site investigations. 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 information about the availability and pricing of an update.

- **To confirm the database version and disc coverage area**

1. **Push the “MENU” button.**

2. **Touch the “Map DVD” switch.**

Make sure the version of the database on this screen. (The database version on the screen above may be different from the actual screen.)

To display the disc coverage area, touch the **“Covered Area”** switch. Confirm the covered area on the screen.

Contact your dealer to find out if there is a more recent update released.

SECTION II

DESTINATION INPUT AND ROUTE GUIDANCE

Basic functions in frequent use

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Destination input —

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

You can use one of 13 different methods to enter your destination. (See pages 26 through 41.)

INFORMATION

- ***When inputting the destination, the response to the switch may be slow.***
- ***The route for returning may not be the same as that for going.***
- ***The route guidance to the destination may not be the shortest route nor a route without traffic congestion.***
- ***Route guidance may not be available if there is no road data for the specified location.***
- ***When setting the destination on a map with a scale larger than 0.5 mile (800 m), the map scale changes to 0.5 mile (800 m) automatically. Set the destination again.***
- ***To select an "Address", "POI Name", "Freeway Ent./Exit", "Intersection" or "Phone #" in a different area, it is necessary to change the search area.***
- ***If you enter a destination, the road nearest to the point you selected is set as the destination.***

⚠ CAUTION

While you are driving, be sure to obey traffic regulations and keep the road conditions in mind. If a traffic sign on the road has been changed, the route guidance may provide wrong information.

— Selecting the search area

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

Touch the "Change" switch on the "Destination" screen to display a map of the United States and Canada divided into 11 areas. See page 12 for map database information and updates.

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

U.S.A.	
Switch	States included in the search area
“US1”	Idaho Oregon Washington
“US2”	California Nevada
“US3”	Arizona Colorado Montana New Mexico Utah Wyoming
“US4”	Iowa Kansas Minnesota Missouri North Dakota Nebraska South Dakota
“US5”	Oklahoma Texas
“US6”	Illinois Indiana Kentucky Michigan Ohio Wisconsin
“US7”	Arkansas Alabama Louisiana Mississippi Tennessee
“US8”	Connecticut Massachusetts Maine New Hampshire New Jersey New York Rhode Island Vermont
“US9”	Washington, D.C. Delaware Maryland New Jersey Pennsylvania Virginia West Virginia
“US10”	Florida Georgia North Carolina South Carolina

Canada	
Switch	Provinces and regions included in the search area
“CAN”	All provinces and regions in Canada included in this switch.

— Destination input by Home

Touch the home switch on the "Destination" screen.

The screen changes and displays the map location of your home and the route preference. (See " — Entering destination" on page 42.)

To use this function, it is necessary to set the "Attribute" for the memory point. (To register the "Home", see page 74.)

INFORMATION
Guidance starts from your current position to your home if you touch the "Enter" switch even while driving.

— Destination input by Quick access

Touch any of the quick access switches on the "Destination" screen.

The screen changes and displays the map location of the quick access point and the route preference. (See " — Entering destination" on page 42.)

To use this function, it is necessary to set the "Attribute" for each memory point. (To register the "Quick Access", see page 74.)

INFORMATION
Guidance starts from your current position to the quick access point if you touch the "Enter" switch even while driving.

— Destination input by "Address"

There are 2 ways to input a destination by address.

Touch the "Address" switch on the "Destination" screen.

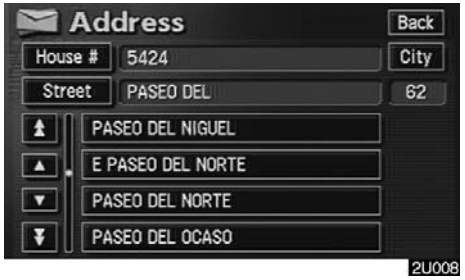
(a) Inputting a house number and a street name

Touch numerals directly on the screen to input a house number.

After inputting a house number, touch the **"OK"** switch to display the screen for inputting a street name.

It is possible to input a street name first. Touch the **"Street"** switch to display the screen for inputting a street name.

Input the street name.



When you find your desired street name, touch the corresponding switch.

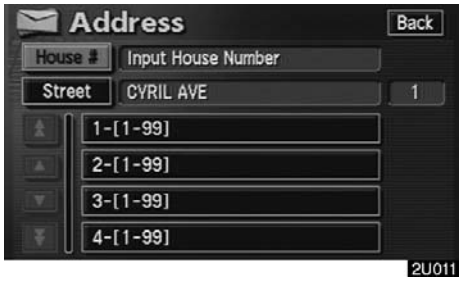
The screen changes and displays the map location of the selected destination and the route preference. (See " — Entering destination" on page 42.)

If the same address exists in more than one city, the current screen changes to the city list screen.

Select or enter your desired city.

"Input Name": To narrow down the listed items by inputting the city name.

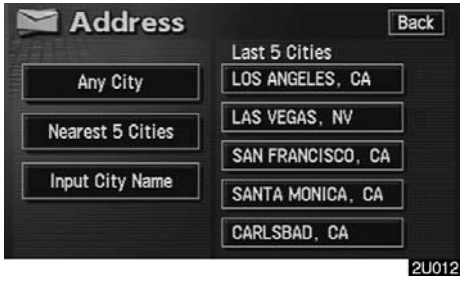
If you input a street name first, the screen changes. You can then input the house number.



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

(b) Selecting a city to search

Touch the "City" switch.



To search by city, the following three methods are possible.

1. Selecting from the last 5 cities
2. Selecting from the nearest 5 cities
3. Inputting the city name

INFORMATION

To cancel the city setting, touch the "Any City" switch.

SELECTING FROM THE LAST 5 CITIES

Touch the switch of the desired city name.

If you have not used the navigation yet, no cities will be displayed on the screen.

The current screen changes to the screen for inputting a house number or a street name. (See page 27.)

SELECTING FROM THE NEAREST 5 CITIES

Touch the "Nearest 5 Cities" switch.

Touch the switch of the desired city name from the displayed list.

The current screen changes to the screen for inputting a house number or a street name. (See page 27.)

INPUTTING THE CITY NAME

Touch the "Input City Name" switch.

Input a city name.

Touch the switch of the desired city name from the displayed list.

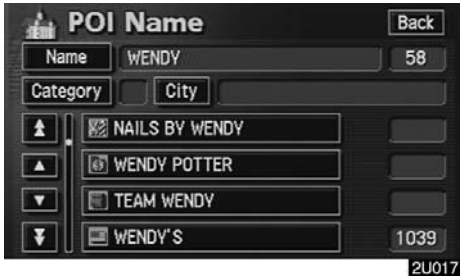
"Map": To display the selected destination and the route preference. (See " — Entering destination" on page 42.)

The current screen changes to the screen for inputting a house number or a street name. (See page 27.)

— Destination input by "POI Name"

Touch the "POI Name" switch on the "Destination" screen.

Input the name of Point of Interest.



Touch the switch of the desired destination. The screen changes and displays the map location of the selected destination and the route preference. (See " — Entering destination" on page 42.)

If you input the name of a specific Point of Interest and there are more than two sites with the same name, the list screen appears.

Touch the switch of the desired destination.

"Dist. Sort": In the order of distance from your current position. The distance from your current position up to the destination is displayed on the right of the name.

"Name Sort": In alphabetical order by name.

If the same name exists in more than one city, you can search for it more easily with the **"City"** and **"Category"** switches. (See "(a) Selecting a city to search" and "(b) Selecting from the categories".)

INFORMATION
The desired Point of Interest can be displayed on the map screen. (For details, see page 53.)

(a) Selecting a city to search

Touch the "City" switch.

To search by city, the following three methods are possible.

1. Selecting from the last 5 cities
2. Selecting from the nearest 5 cities
3. Inputting the city name

INFORMATION
To cancel the city setting, touch the "Any City" switch.

SELECTING FROM THE LAST 5 CITIES

Touch the switch of the desired city name.

If you have not used the navigation yet, no cities will be displayed on the screen.

SELECTING FROM THE NEAREST 5 CITIES

Touch the "Nearest 5 Cities" switch.

Touch the switch of the desired city name.

INPUTTING THE CITY NAME

Touch the "Input City Name" switch.

Input the city name.

Touch the switch of the desired city name from the displayed list.

(b) Selecting from the categories

Touch the “Category” switch.

If the desired POI category is on the screen, touch the name to display a detailed list of the POI category.

If the desired POI category is not on the screen, touch the “List All Categories” switch to list all POI categories.

When you touch the desired category, the POI name list screen appears.

— Destination input by “POI Category”

The destination can be set by selecting the POI category and the search point.

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

(a) Selecting the POI category

If the desired POI category is on the screen, touch the name to display a detailed list of the POI category.

If the desired POI category is not on the screen, touch the "List All Categories" switch to list all POI categories.

Touch the desired POI category from the list.

The selected category icon appears on the top left of the screen.

If you wish to delete the selected category, touch the **"Delete"** switch.

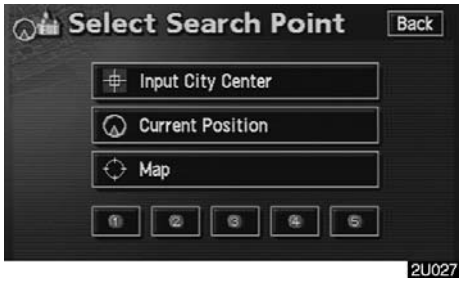
If you wish to select another category, touch the **"OK"** switch to return to the previous screen.

If you wish to select a destination from the category displayed by the icon, touch the **"List"** switch.

(b) Setting a search point

It is possible to display the names of POIs located within approximately 20 miles (30 km) from the selected search point.

Touch the "Search Point" switch.



To set search points, the following four methods are possible.

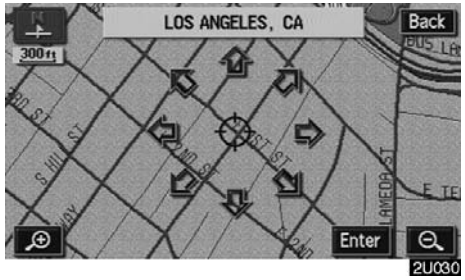
1. Inputting city center
2. Setting the current position as the search point
3. Setting the search point via the map screen
4. Setting the search point from the destinations

INPUTTING CITY CENTER

Touch the "Input City Center" switch.

Input the city center name.

Touch the switch of the desired city center name.



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

To set the position of the cursor, touch the **“Enter”** switch.

SETTING THE CURRENT POSITION AS THE SEARCH POINT

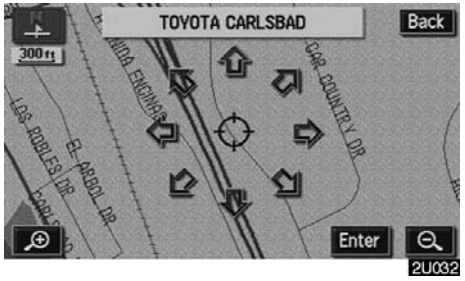
Touch the “Current Position” switch.

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

To set the position of the cursor, touch the **“Enter”** switch.

SETTING THE SEARCH POINT VIA THE MAP SCREEN

Touch the “Map” switch.

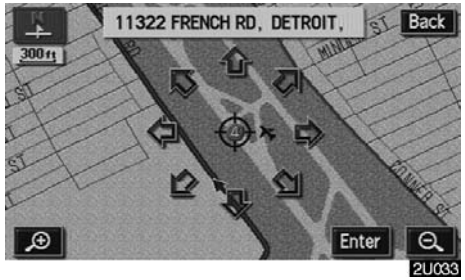


When you touch an arrow facing the desired point, the map scrolls in that direction. When you release your finger, scrolling stops.

To set the position of the cursor, touch the **“Enter”** switch.

SETTING THE SEARCH POINT FROM THE DESTINATIONS

Touch the destination switches at the bottom of the screen.



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

To set the position of the cursor, touch the **"Enter"** switch.

(c) Selecting from a list

You can select the desired destination from the listed POI names.

When you touch the switch of the desired item, the screen changes and displays the map location of the selected destination and the route preference. (See " — Entering destination" on page 42.)

"Dist.": To sort in the order of distance from your current location.

"Icon": To sort in the order of the POI icons.

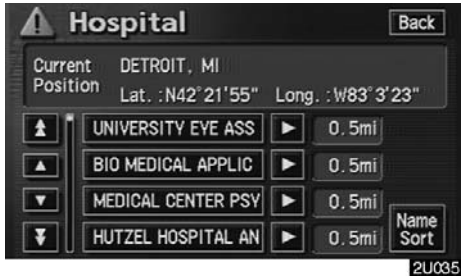
"Name": To sort in alphabetical order by name.

"On Route": When the indicator is illuminated by touching this switch, the list of the items searched along the route is displayed.

— Destination input by "Emergency"

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

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



Touch the switch of the desired destination. The screen changes and displays the map location of the selected destination and the route preference. (See " — Entering destination" on page 42.)

"Dist. Sort": To sort in the order of distance from your current position. The distance from your current position up to the destination is displayed on the right of the name.

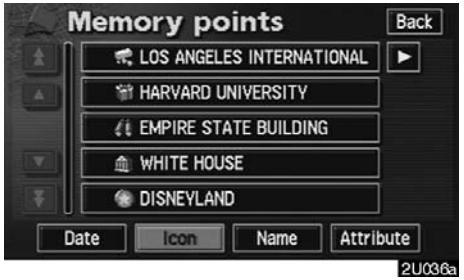
"Name Sort": To sort in alphabetical order by name.

INFORMATION

The navigation system does not guide in areas where route guidance is unavailable. (See page 11.)

— Destination input by "Memory"

Touching the "Memory" switch on the "Destination" screen displays your list of registered memory points. See page 70 for registering and editing memory points.



When you touch the switch of your desired memory point, the screen changes and displays the map location of the selected destination and the route preference. (See " — Entering destination" on page 42.)

There are 4 ways to list the memory point by touching switches on the bottom of the screen.

"Date": To list the memory points in order of registered date.

"Icon": To list the memory points by the registered icon.

"Name": To list the memory points in alphabetical order.

"Attribute": To list the memory points by the registered attribute.

— Destination input by “Previous”

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

The previous starting point and up to 99 previously set destinations are displayed on the screen.

Touch the switch of the desired destination. The screen changes and displays the map location of the selected destination and the route preference. (See “ — Entering destination” on page 42.)

“Date”: To list the previous destinations in order of registered date.

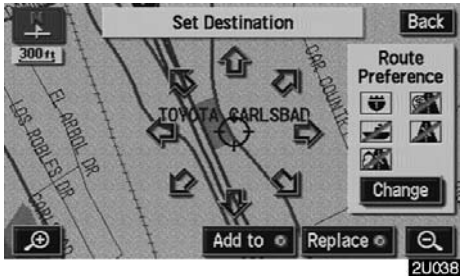
“Name”: To list the previous destinations in alphabetical order.

INFORMATION

You can delete the list of previous destinations while your vehicle is stopped, if you no longer need them. (See page 95.)

— Destination input by “Map”

Touch the “Map” switch on the “Destination” screen.



The screen changes and displays the map location that was previously displayed just before the destination input operation and the route preference. (See “ — Entering destination” on page 42.)

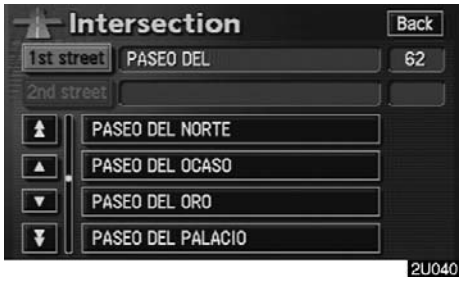
INFORMATION

Guidance starts if you touch the “Enter” switch even while driving. However, the cursor cannot be moved.

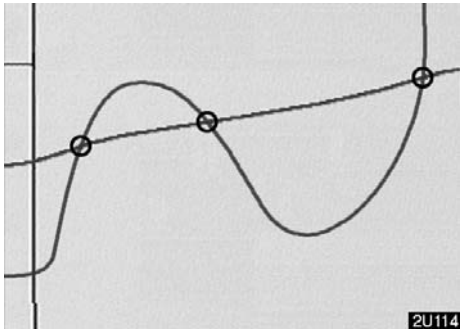
— Destination input by “Intersection”

Touch the “Intersection” switch on the “Destination” screen.

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



Touch the switch of the 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 42.)

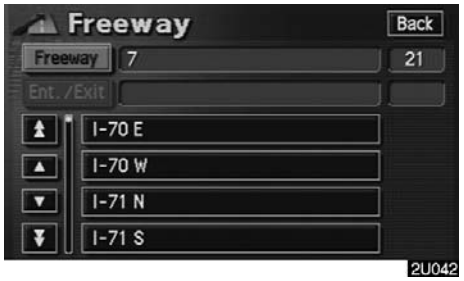


If the same two streets cross at more than one intersection, the screen changes and displays the menu to select the city name where the streets intersect. Select the city, and the map location of the selected destination and the route preference. (See “ — Entering destination” on page 42.)

— Destination input by “Freeway Ent./Exit”

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

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



Select the desired freeway by touching the switch.

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

Touch the switch of the 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 42.)

“Dist. Sort”: In the order of distance from your current position. The distance from your current position up to the destination is displayed on the right of the name.

“Name Sort”: In alphabetical order by name.

“Input Name”: An applicable list is displayed by touching this switch and inputting name.

— Destination input by “Coordinates”

Touch the “Coordinates” switch on the “Destination” screen.

Input the latitude and the longitude.

When the input is finished, touch the **“OK”** switch.

When you touch the switch of the desired point, the screen changes and displays the map location of the selected destination and the route preference. (See “ — Entering destination” on page 42.)

— Destination input by “Phone #”

Touch the “Phone #” switch on the “Destination” screen.

Input a telephone number.

After inputting a telephone number, touch the “OK” switch, and the screen changes and displays the map location of the selected destination and the road preference. (See “ — Entering destination” on page 42.)

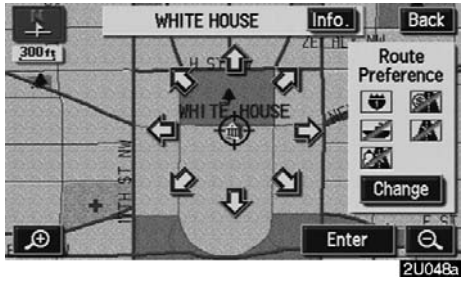
If there is more than one site having the same number, the following screen appears.

INFORMATION

- ***If there is no match for the telephone number inputted, a list of identical numbers but with different area codes will be displayed.***
- ***To set a memory point as a destination using the phone number, the number must be registered previously. (See page 76.)***

Starting route guidance — — Entering destination

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



SCREEN A

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

2. To set the destination and display SCREEN B, touch the "Enter" switch.

When the destination is already set, the **"Add to ⊙"** switch and the **"Replace ⊙"** switch are displayed.

"Add to ⊙": To add a destination.

"Replace ⊙": To delete the existing destinations and set a new one.

"Change": To change the route preference. (See page 43.)

"Info.": If this switch is displayed on the top of the screen, touch the switch to see name, address, and phone number, etc.

SCREEN B

3. To start guidance, touch the "Guide" switch.

"3 Routes": To select the desired route from three possible routes. (See page 43.)

"Route": To change the route. (See pages 46 and 48.)

INFORMATION

- ***Guidance can be suspended or resumed. (See page 66.)***
- ***If you keep touching the "Guide" switch until a beep sounds, Demo mode will start.***

- **To change the route before starting guidance**

ROUTE PREFERENCE

You can change route preference by touching the **"Change"** switch on SCREEN A.

You can turn the indicator on or off by touching the switch.

When searching for a route, the system avoids routes where the indicator is dimmed as much as possible.

After choosing conditions, touch the "OK" switch.

INFORMATION

- ***Even if the "Allow Freeway" indicator is dimmed, the route cannot avoid including a freeway in some cases.***
- ***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.***

3 ROUTES SELECTION

To select the desired route from three routes, touch the **"3 Routes"** switch on SCREEN B.

Touch the "Quick1", "Quick2" or "Short" switch to select the desired route.

"Quick1": Recommended route.
This route is indicated by an orange line.

"Quick2": Other route.
This route is indicated by a purple line.

"Short": A route by which you can reach the destination in the shortest distance.
This route is indicated by a green line.

“Info.”: To display the following information about each of the 3 routes.

1. **Time necessary for entire trip**
2. **Distance of entire trip**
3. **Toll road**
4. **Freeway**
5. **Ferry**

— Route guidance screen

When starting route guidance, the following screen is displayed.

This screen displays the route that guides the driver to the destination.

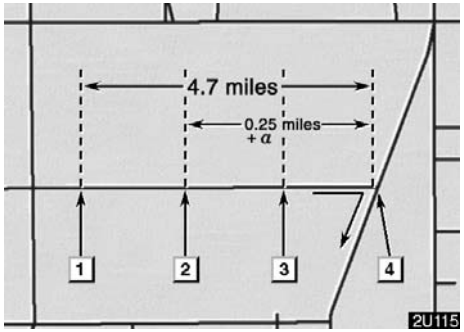
The route to the destination is indicated by a highlighted line. Drive along the guided route.

When the vehicle approaches a guidance point such as an intersection or a freeway, the screen automatically divides in two to display the guidance screen. (For details, see page 57.)

The current street name will be displayed at the bottom of the screen.

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

— Typical voice guidance prompts

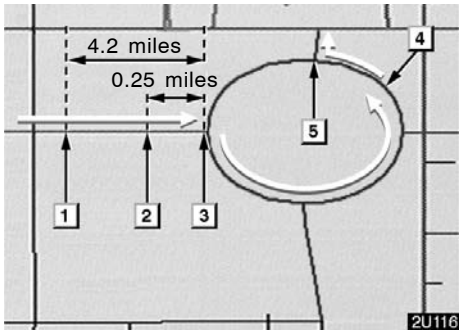


The voice guidance provides various messages as you approach an intersection, or other point where you need to maneuver the vehicle.

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

INFORMATION

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



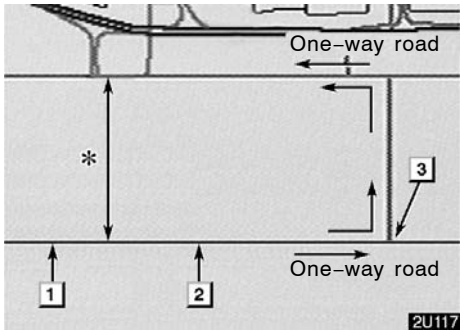
1 ♪ "Proceed about 4 miles to the traffic circle."

2 ♪ "In a quarter of a mile, traffic circle ahead, and then 3rd exit ahead."

3 ♪ "The 3rd exit ahead."

4 ♪ "The exit ahead."

5 ♪♪ (Beep sound only)

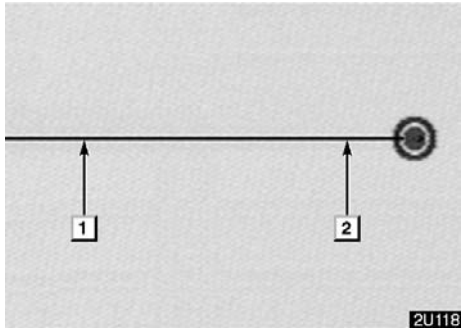


*: The system indicates a U–turn if the distance between two one–way roads (of opposite directions) is less than 50 feet (15 m) in residential areas or 164 feet (50 m) in non–residential areas.

1 ♪ "In half of a mile, make a legal U–turn."

2 ♪ "Make a legal U–turn ahead."

3 ♪♪ (Beep sound only)



The system announces your approach to the final destination.

1 ♪ "Your destination is ahead."

2 ♪ "You have arrived at your destination. The route guidance is now finished."

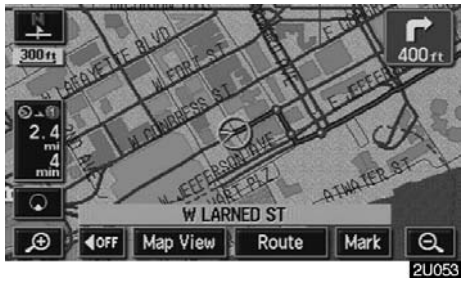
INFORMATION

- ***If the system cannot determine the current vehicle position correctly (in cases of poor GPS signal reception), the voice guidance may be made early or delayed.***
- ***If you did not hear the voice guidance command, touch the "MAP" button to hear it again.***
- ***To adjust the voice guidance volume, see page 67.***

Setting and deleting destination

(a) Adding destinations

You can add destinations and search again for the routes.



1. Touch the "Route" switch.

2. Touch the "Add" switch of "Destination".

3. Input an additional destination in the same way as the destination input. (See page 24.)

4. Touch the desired "Add" switch to determine the arrival order of the additional destination.

(b) Reordering destinations

When more than one destination is set, you can change the arrival order of the destinations.

1. Touch the "Route" switch.

2. Touch the "Reorder" switch of "Destination".

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

Reordered number of arrival is displayed on the right side of the screen.

When you finish selecting the destinations, touch the **"OK"** switch. The system searches for the guidance route again, and displays the entire route. Even if you do not touch the **"OK"** switch, the entire route is displayed automatically within a few seconds when order is fixed.

(c) Deleting destination

You can delete a set destination.

1. Touch the "Route" switch.

2. Touch the "Delete" switch of "Destination".

3. When more than one destination is set, a list will appear on the screen. Touch the destination on the screen you wish to delete.

"Delete All": To delete all destinations on the list.

4. A message appears to confirm your request to delete. To delete the destination(s), touch the "Yes" switch.

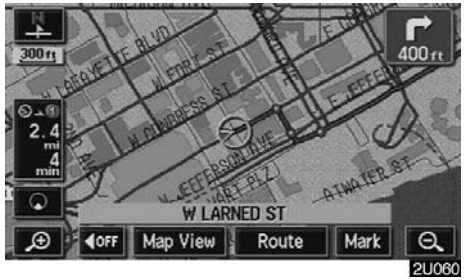
If you touch the **"Yes"** switch, the data cannot be recovered.

If you touch the **"No"** switch, the previous screen will return.

5. If more than one destination is set, touch the "OK" switch after deleting the destinations. The system searches for the guidance route again, and displays the entire route.

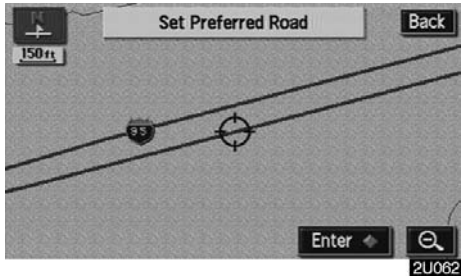
Setting and deleting route
(a) Adding preferred road

You can add points you wish to pass through.



1. Touch the "Route" switch.

2. Touch the "Add" switch of "Preferred road".



3. Select the preferred road which you wish to modify and touch the "Enter ◆" switch.

4. A message appears to confirm your request. To add the preferred road, touch the "OK" switch.

Touch the **"Next"** switch to use another road.

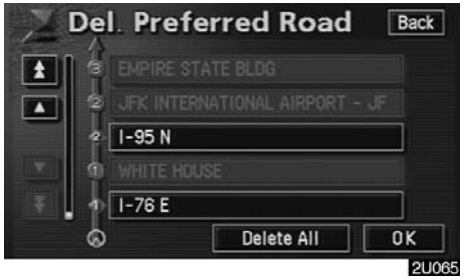
5. If more than one destination is set, the "Add Preferred Road" screen appears. Touch the "Add" switch where you wish to add a preferred road.

(b) Deleting preferred road

You can delete a set preferred road.

1. Touch the "Route" switch.

2. Touch the "Delete" switch of "Preferred road".



3. When more than one preferred road is set, a list will appear on the screen. Touch the switch of the preferred road to be deleted.

“Delete All”: To delete all the listed preferred road.

4. A message appears to confirm your request to delete. To delete the preferred road, touch the “Yes” switch.

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

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

5. If more than one preferred road is set, touch the “OK” switch after deleting the preferred road. The system searches for the guidance route again, and displays entire route.

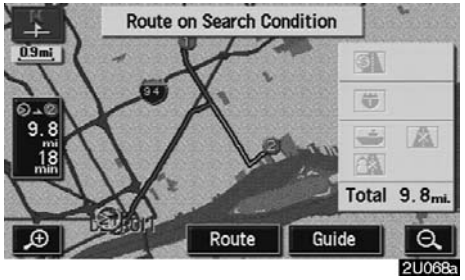
(c) Search condition

You can designate the route conditions of the route to the destination.

1. Touch the “Route” switch.

2. Touch the “Search Condition” switch. The “Search Condition” screen appears.

3. Touch the “Quick”, “Quick1”, “Quick2” or “Short” switch and touch the “OK” switch.



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

“Guide”: To start guidance.

“Route”: To add or change a route. (For details, see pages 46 and 48.)

(d) Detour setting

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.

1. **Touch the "Route" switch.**

2. **Touch the "Detour" switch.**

3. **Select the switch below to select the desired detour distance.**

"1 Mile (km)", "3 Miles (km)" or "5 Miles (km)": Touch one of these switches to start the detour process. After detouring, the system returns to the original guidance route.

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

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

1 This position indicates the location of a traffic jam caused by road repairs or an accident.

2 This route indicates the detour suggested by the system.

INFORMATION

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

(e) Route preference

You are given a number of choices on the conditions which the system uses to determine the route to your destination.

1. Touch the "Route" switch.

2. Touch the "Route Preference" switch to change the conditions which are to determine the route to your destination.

3. You can turn the indicator on or off by touching the switch.

When searching for a route, the system avoids routes where the indicator is dimmed as much as possible.

After choosing the conditions, touch the "OK" switch.

(f) Starting route from adjacent road

You can 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.)

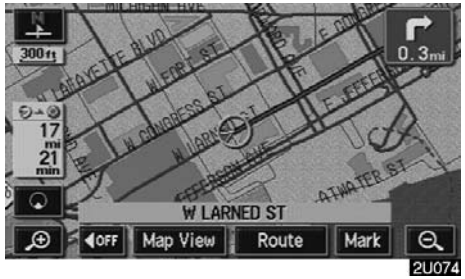
1. Touch the "Route" switch.

2. Touch the "Start from Adjacent Road" switch.

When there is no adjacent road, this switch will not appear.

Show POI icons

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.



1. Touch the “Map View” switch.

2. Touch the “Show POI Icon” switch to display a particular type of Point of Interest on the screen.

A screen with a limited choice of Points of Interest will be displayed. (To change the displayed POI, see page 94.) When you touch the desired Point of Interest category, symbols will appear on the map screen indicating where the POI addresses are located.

To turn off the symbols of the Points of Interest on the map screen, touch the “POI Off” switch.

“More”: If you cannot find your desired Point of Interest on the limited choice screen, touch this switch. The screen then displays the complete POI listing screen.

You can display up to 5 categories of icons on the screen.

2U077a

When you select a Point of Interest type from either the limited list or the complete list, the screen will display symbols at those locations on the map screen.

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

"Local POI List": If you want to search for the nearest Point of Interest, touch this switch. Then choose one of the categories. The system will list the points within 20 miles (30 km).

2U078

Touch the switch of your desired Point of Interest. Selected Points of Interest are displayed on the map screen.

"Dist.": To sort in the order of distance from your current location.

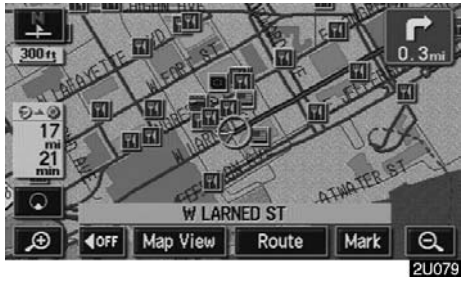
"Icon": To sort in the order of the POI icons.

"Name": To sort in alphabetical order by name.

"On Route": When the indicator is illuminated by touching this switch, the list of the items searched along the route is displayed.

- **To set 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 as route guidance.



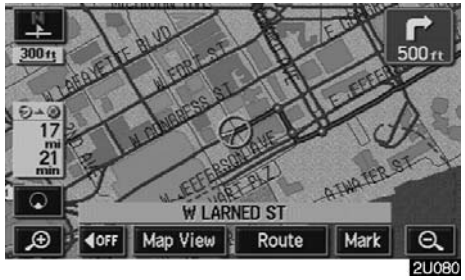
2U079

Directly touch the Point of Interest icon that you wish to set as a destination.

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

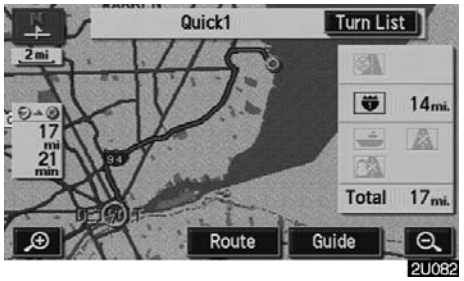
When your desired Point of Interest overlaps with the cursor, touch the "Enter ⊙" switch. The screen changes and displays the map location of the selected destination and route preference. (See " — Entering destination" on page 42.)

Route overview



1. Touch the “Map View” switch.

2. Touch the “Route Overview” switch.



The entire route from the current position to the destination is displayed.

“Guide”: To start guidance.

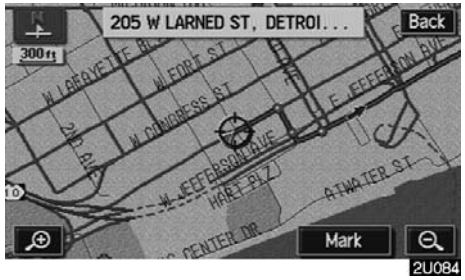
“Route”: To change the route. (For details, see pages 46 and 48.)

“Turn List”: The following screen displays the list of the roads up to your destination.

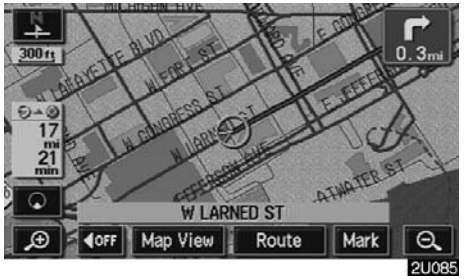
You can scroll through the list of roads by touching ▲ or ▼. However, not all road names in the route may appear on the list. If a road changes its name without requiring a turn (such as on a street that runs through two or more cities), the name change will not appear on the list. The street name closest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

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

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



Route preview



1. **Touch the “Map View” switch.**

2. **Touch the “Route Preview” switch.**

: To indicate the next destination.

: To preview the route to the next destination.

: To preview the route to the next destination in fast−forward mode.

: To stop the preview.

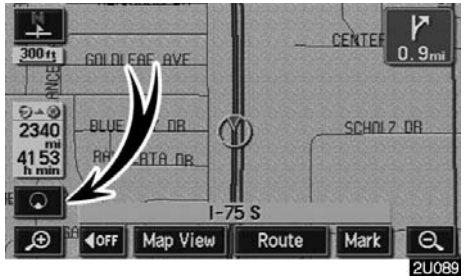
: To review the route to the previous destination or starting point.

: To review the route to the previous destination or starting point in fast−forward mode.

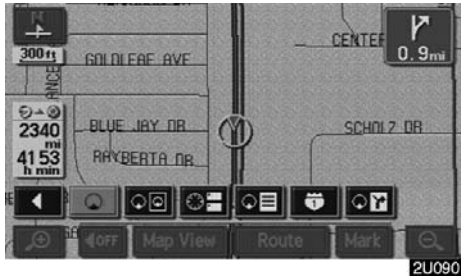
: To indicate the previous destination or starting point.

Screen configuration

You can choose any one of the screen configurations.



1. Touch this switch to display the following screen.



2. To select the desired screen configuration, touch one of the following switches.

Depending on the conditions, it may not be possible to select certain screen configuration switches.

: To display single map screen. (See page 57.)

: To display dual map screen. (See page 58.)

: To display compass mode screen. (See page 58.)

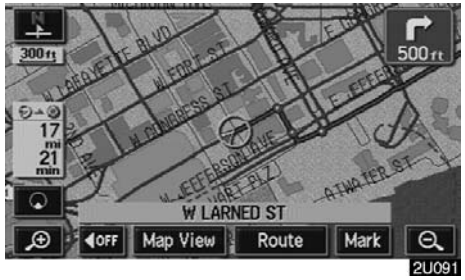
: To display turn list screen. (See page 59.)

: To display arrow screen. (See page 59.)

: To display freeway information screen. (See page 59.)

: To display intersection guidance screen or guidance screen on freeway. (See page 60.)

(a) Single map



The screen shows the single map.

(b) Dual map

The screen shows the dual map. The map on the left is the main map.

You can edit the right side map by touching any specific point on the right side map.

This screen can perform the following procedures.

- Changing the map scale
- Displaying the POI icon
- Changing the orientation of the map

Touch the **"OK"** switch when you complete editing. The screen returns to the dual map screen.

(c) Compass mode

Information about the destination and current position, as well as a compass, is displayed on the screen.

The destination mark is displayed in the direction of the destination. When driving, refer to the longitude and latitude coordinates and the compass, to make sure that your vehicle is headed in the direction of the destination.

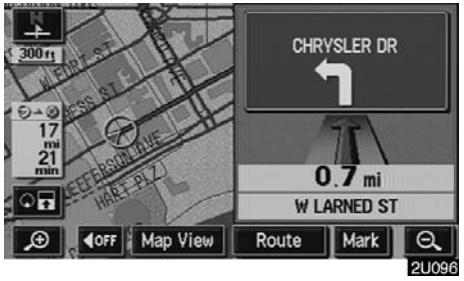
INFORMATION

When the vehicle goes out of the disc area, the guidance screen changes into compass mode.

(d) Turn list screen

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

(e) Arrow screen



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

(f) Freeway information screen

This screen displays the distance to the next junction and exit, or POIs in the vicinity of the freeway exit.

"Map": To display the selected map of the exit vicinity.

On the left side of the **"Map"** switch, up to five POIs around the selected exit are displayed.

▲: To scroll for farther junctions or exits.

▼: To scroll for closer junctions or exits.

▼: To scroll for the closest three junctions or exits.

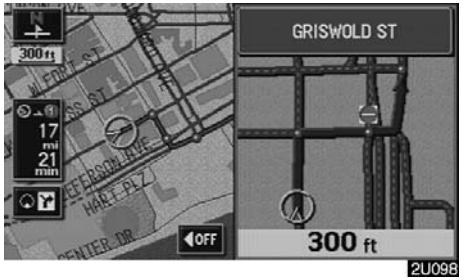
INFORMATION

When you drive on a freeway, the screen is automatically divided into two parts, with freeway information screen on the right side.

(g) Intersection guidance screen/guidance screen on freeway

- **Intersection guidance screen**

This screen automatically appears when the vehicle approaches an intersection on the road.



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

"◀OFF": The intersection guidance screen disappears and the map screen appears.

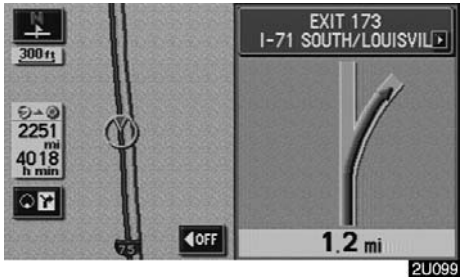
When touching the switch or pushing the **"MAP"** button, the intersection guidance screen reappears.

INFORMATION

Intersection guidance can be turned on or off. (See page 89.)

- **Guidance screen on freeway**

This screen automatically appears when the vehicle approaches a junction or exit on a freeway.



The distance to the junction or exit is shown at the bottom of the screen.

"◀OFF": The guidance screen on freeway disappears and the map screen appears.

When touching the switch or pushing the **"MAP"** button, the guidance screen on freeway reappears.

INFORMATION

Guidance screen on freeway can be turned on or off. (See page 90.)

Distance and time to destination

When the vehicle is on the guidance route, the distance and the estimated travel time to the destination are displayed. When the vehicle is not on the guidance route, the distance to and the direction of the destination are displayed.

When driving on the guidance route and more than one destination is set, the distance and the estimated travel time from current position to each destination are displayed.

1. Touch this switch to display the following screen.

2. Touch the number switch of the destination you wish to display.

The distance and the estimated travel time from the current position to the selected destination are displayed.

Displayed while driving along the guidance route.

Displayed while driving off the guidance route. The destination direction is indicated by an arrow.

INFORMATION

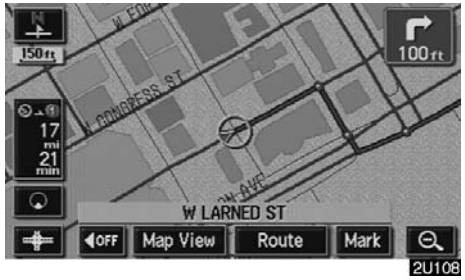
When the vehicle is on the guidance route, the distance measured along the route is displayed. Travel time is calculated based on the set vehicle speed information. (For details, see page 83.) However, when the vehicle is not on the guidance route, the distance is the linear distance between the current position and the destination.

Foot print map

For the area which is covered by the foot print map (Some areas in the following cities; Detroit, Chicago, N.Y., L.A), you can switch to the foot print map on a scale of 75 feet (25 m).

- **To switch to the foot print map**

The switch changes into the switch when the map is scaled down to 150 feet (50 m).



To display the foot print map, touch the switch.

- **To delete the foot print map display**

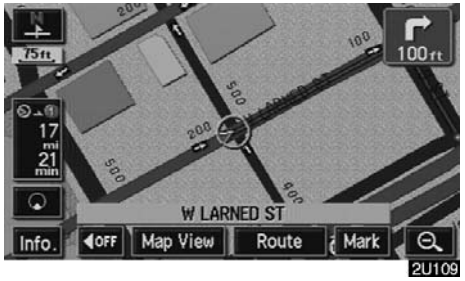
Touch the switch.

INFORMATION

- ***If the map or the current position is moved to the area which is not covered by the foot print map, the screen scale automatically changes to 150 feet (50 m).***
- ***On the foot print map, a one way street is displayed by .***
- ***It is not possible to perform scrolling on the foot print map (one−touch scroll) while driving.***

- **To display building information**

Information is available only for buildings for which information is recorded on the map disc.



1. Touch the "Info." switch while the foot print map is displayed.

If the map is displayed in split screen, it turned into a single map display.

2. Using an eight−direction arrow, move the cursor to the position of the building you wish to display information.

3. Touch the "Building Info." switch.

4. Details of POIs in some buildings may be displayed. If you wish to see detailed POI information, touch the building name. You can see the detail of the selected POIs.

SECTION III

ADVANCED FUNCTIONS

Descriptions of functions for more effective use

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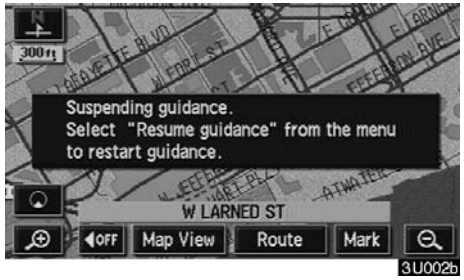
Suspending and resuming guidance

- **To suspend guidance**

You can suspend route guidance.

Push the "MENU" button to display the "Menu" screen and touch the "Suspend Guidance" switch.

INFORMATION
When you do not have route guidance, the "Suspend Guidance" switch cannot be used.



The screen will return to the current position map without route guidance.

- **To resume guidance**

You can resume the suspended route guidance.

Push the "MENU" button to display the "Menu" screen and touch the "Resume Guidance" switch.

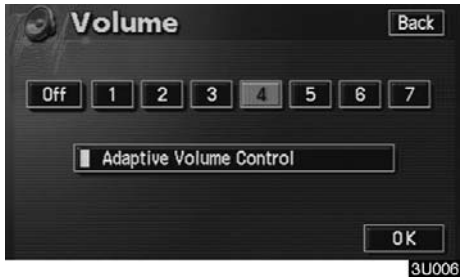
The screen will change to the current position map with route guidance.

Volume

You can use voice guidance when approaching a destination.

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

Push the "MENU" button to display the "Menu" screen, and touch the "Volume" switch.



To adjust the volume, select the desired level by touching the appropriate number.

If you do not need voice guidance, touch 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 turn the "Adaptive Volume Control" on, the volume is turned up automatically when the vehicle speed exceeds 50 mph (80 km/h).

To turn the "Adaptive Volume Control" system on, touch the switch. The indicator will be highlighted.

User selection

The system can memorize the following settings for up to three users.

- **Map direction**
- **Map scale**
- **Guidance mode**
- **Setup**
- **Volume**
- **Language**

Push the "MENU" button to display the "Menu" screen. Then touch the "Select User" switch.

- **To register**

Touch the "Memorize" switch of your desired "User number".

The confirmation screen will appear. To register, touch the "Yes" switch. To return to the previous screen, touch the "No" or "Back" switch.

When you touch the switch already registered, this screen appears. To replace, touch the "Yes" switch. To cancel the replacement, touch the "No" or "Back" switch.

- **To change user**

Push the "MENU" button to display the "Menu" screen. Then touch the "Select User" switch.

Touch the "User number" switch you wish to change.

The above message appears, then the map screen will be displayed.

- **To delete user**

Touch the "Delete" switch of "User number" you wish to delete.

The confirmation screen appears. To delete, touch the "Yes" switch. To return to the previous screen, touch the "No" or "Back" switch.

My places

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

(a) Registering memory points

1. Push the "MENU" button to display the "Menu" screen and touch the "My Places" switch.

2. Touch the "Register" switch of the "Memory Points".

A screen similar to the destination input screen appears. Input the desired point in the same way as inputting a destination. (See page 24.)

When you finish memory point registration, the memory point data screen will appear.

You can set the icon, attribute, name, location and phone number.

Touch the desired switch you want to set. (For details, see "(b) Editing memory points".)

INFORMATION
Up to 106 memory points can be registered.

(b) Editing memory points

The icon, attribute, name, location and/or telephone number of a registered memory point can be edited.

1. Push the "MENU" button to display the "Menu" screen and touch the "My Places" switch.

2. Touch the "Edit" switch of the "Memory Points".

The screen lists the memory points.

"Date": Touch this switch to list the memory points in order of the registered date.

"Icon": Touch this switch to list the memory points in order of the icon type.

"Name": Touch this switch to list the memory points in alphabetical order.

"Attribute": Touch this switch to list the memory points in order of the home and quick access number.

Touch the desired memory point switch to display the memory point data screen.

3. Touch the switch which you wish to edit.

- **To change “Icon”**

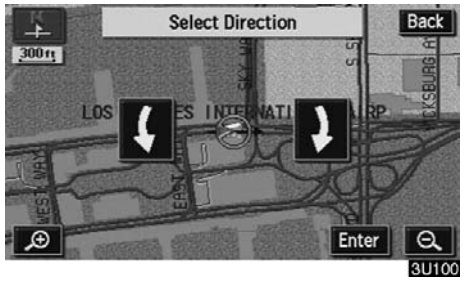
Touch the desired icon.

You can turn the page by touching **“Page 1”**, **“Page 2”** or **“With Sound”** switch.

“With Sound”: To display sound icons. When your vehicle approaches the memory point, the sound which you chose will sound.

Touch the desired sound icon.

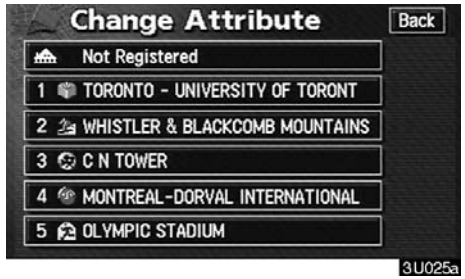
The next screen appears when you touch the **“Bell (with direction)”** switch.



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

- **To change “Attribute”**

For easy destination input, set the attribute of the memory points as Home or Quick access 1 to 5.



Touch the desired attribute. It is possible to replace a registered attribute.

To replace the attribute, touch the “Yes” switch. To return to the previous screen, touch the “No” or “Back” switch.

To delete the attribute, touch the “Del.” switch.

To delete an attribute, touch the "Yes" switch. To return to the previous screen, touch the "No" or "Back" switch.

- **To change "Name"**

Touch the alphabet and/or numeral keys.

When the entry has been completed, touch the **"OK"** switch on the screen.

The previous screen will be displayed.

- **"Show Name"**

You can set the name of a memory point to be displayed or not on the map.

To show the name, touch the "On" switch. Not to show it, touch the "Off" switch.

- **To change "Location"**

Touch the eight direction switch to move the cursor ⌖ to the desired point on the map.

Touch the **"Enter"** switch and the previous screen will be displayed.

- **To change “Phone #” (telephone number)**

Touch numeral keys.

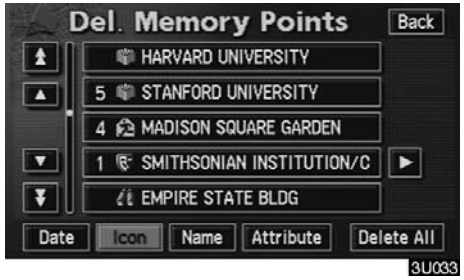
When the entry has been completed, touch the **“OK”** switch on the screen.

The previous screen will be displayed.

(c) Deleting memory points

1. Push the “MENU” button to display the “Menu” screen and touch the “My Places” switch.

2. Touch the “Delete” switch of the “Memory Points”.



3. Touch the corresponding switch. To delete all memory points, touch the “Delete All” switch.

For efficient memory point search, memory points can be sorted by the **“Date”**, **“Icon”**, **“Name”** or **“Attribute”** switch.

To delete, touch the **“Yes”** switch. To cancel the deletion, touch the **“No”** switch.

Area to avoid

Areas you wish to avoid because of traffic jams, construction work or other reasons can be registered as areas to avoid.

Push the "MENU" button to display the "Menu" screen and then touch the "My Places" switch to display the following screen.

INFORMATION

If a destination is inputted in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to avoid may be shown.

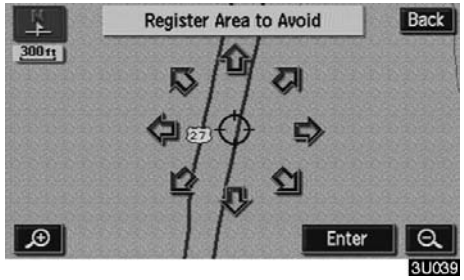
(a) Registering area to avoid

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

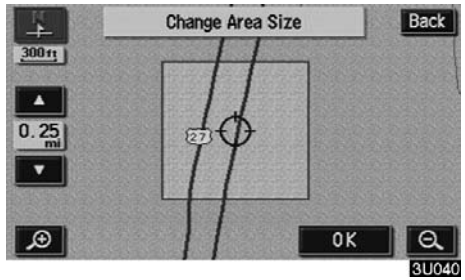
2. Enter the location in the same way as inputting a destination, or display the map of the area you wish to avoid. (See page 24.)

INFORMATION

Up to 10 locations can be registered as point/area to avoid. If there are 10 locations already registered, the message "Unable to register additional points. Perform operation again after deleting unnecessary points." appears on the screen.



3. Set the cursor in the center of the area to avoid, and touch the "Enter" switch.

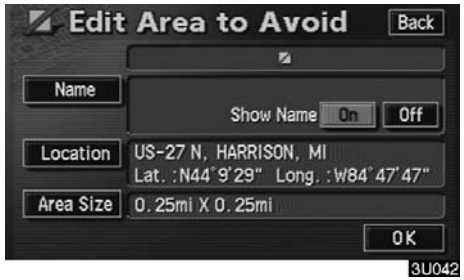


4. Touch either ▲ or ▼ switch to change the size of the area to avoid.

(b) Editing area to avoid

1. Touch the "Edit" switch of the "Areas to Avoid" to display the "Edit Area to Avoid" screen.

2. To edit an area to avoid, touch the corresponding switch.



3. Touch the "Name", "Location" or "Area Size" switch on this screen.

- **To change “Name”**

Touch alphabet or numeral keys.

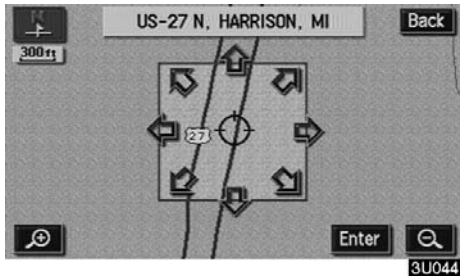
When the entry has been completed, touch the **“OK”** switch on the screen.

The previous screen will be displayed.

- **“Show Name”**

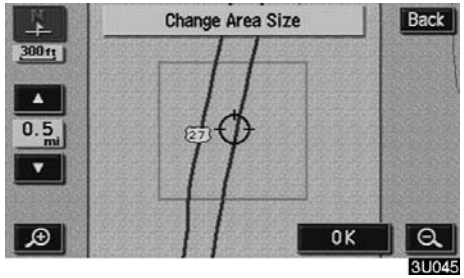
The avoid area name can be set to be displayed or not on the map. To show the name, touch the “On” switch. Not to show it, touch the “Off” switch.

- **To change “Location”**



Set the cursor ⌖ to the desired location, then touch the **“Enter”** switch. The previous screen will be displayed.

- **To change “Area size”**



Touch either ▲ or ▼ switch to change the size of area you want to avoid, and touch the **“OK”** switch. The previous screen will be displayed.

(c) Deleting area to avoid

1. Touch the "Delete" switch of the "Areas to Avoid" to display the "Delete Area to Avoid" screen.

2. Touch the area you wish to delete from the list.

"Delete all": To delete all registered areas to avoid in the system.

3. To delete, touch the "Yes" switch. To cancel the deletion, touch the "No" switch.

Setup

You can set the items shown on the "Setup" screen.

1. Push the "MENU" button.

2. To display the "Setup" menu screen, touch the "Setup" switch. Touch the items you wish to set.

3. Touch the "OK" switch on the screen and then the previous screen will be displayed.

"Default": This switch initializes all of the settings.

"Calibration": You can adjust the current vehicle position mark manually.

"Distance": You can select "km" or "miles" as the distance unit.

"Estimated Travel Time": You can set the system to display the travel time to the destination on the route guidance screen.

"Auto Reroute": You can set the system to automatically search for a new route to the destination.

"Adjust Time Zone": You can select your desired time zone.

"Auto Voice Guidance": You can set the automatic voice guidance.

“Voice Guidance in All Modes”: You can set the voice guidance in all modes.

“Notify Traffic Restriction”: You can select notification of seasonal restrictions.

“Intersection Guidance”: You can select ON or OFF to display intersection guidance.

“Guidance Screen on Freeway”: You can select ON or OFF to display the guidance screen on the freeway.

“Street Name on Scroll Map”: You can select ON or OFF to display the street name on the scroll map.

“Display Building Shape”: You can select ON or OFF to display the building shape on the map screen.

“OFF Function”: You can set to display or not to display each switch and current street name on the map screen.

“Show POI Icons”: You can choose 6 icons displayed on “Show POI Icons” top screen.

“Previous Point”: You can delete the previous destination.

“Map Color (Day)”: You can select the desired map color.

“Map Color (Night)”: You can select the desired map color.

“Screen Animation”: You can set some screen displays to be animated.

Current position calibration

When driving, the current vehicle position mark will be automatically corrected by GPS signals. If GPS reception is poor due to location, you can manually adjust the current vehicle position mark.

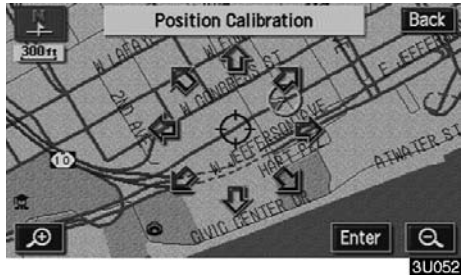
1. Push the “MENU” button to display the “Menu” screen, and then touch the “Setup” switch.

2. Touch the “Adjust” switch of “Calibration”.

3. Touch the “Position/Direction” switch.

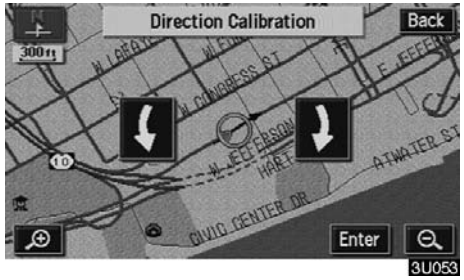
INFORMATION
For additional information on the accuracy of a current vehicle position, see “Limitations of the navigation system” on page 9.

- **Position/direction calibration**



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

Touch the **“Enter”** switch.



2. Touch either the ↓ or ↓ switch to adjust the direction of the current vehicle position mark.

Touch the **“Enter”** switch and the map screen will be displayed.

- **Tire change calibration**

The tire change calibration function will be used when replacing the tires. This function will adjust the mis−calculation caused by the circumference difference between the old tires and new ones. If this procedure is not performed when tires are replaced, the current vehicle position mark may be incorrectly displayed.

To perform a distance calibration procedure, touch the **“Tire Change”** switch on the “Calibration” screen.

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

Distance unit

1. **Push the “MENU” button.**

2. **Touch the “Setup” switch.**

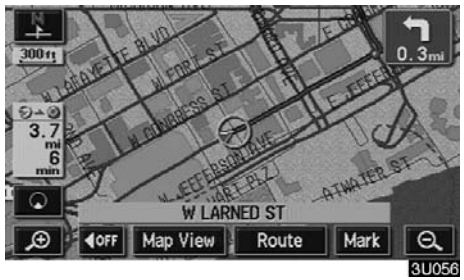
3. **Touch the “km” or “miles” switch of “Distance” to choose the distance unit.**

The selected switch is highlighted in green.

4. **Touch the “OK” switch.**

Estimated travel time

You can set the speed that is used for the calculation of the estimated travel time.



1. **Push the “MENU” button.**

2. Touch the "Setup" switch.

3. Touch the "Set Speed" switch of the "Estimated Travel Time".

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

To set the default speeds, touch the **"Default"** switch.

5. When you finish setting the desired speeds, touch the "OK" switch.

INFORMATION

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

Auto reroute

When the "Auto Reroute" feature is turned on, the system will automatically search for a new route to the destination if you stray from the guidance route. This feature does not operate while you are driving on roads where guidance is not available.

To turn the "Auto Reroute" mode on:

1. Push the "MENU" button.

2. Touch the "Setup" switch.

3. Touch the "On" switch of "Auto Reroute".

The selected switch is highlighted in green.

INFORMATION

If your vehicle strays from 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.

Adjusting time zone

1. Push the "MENU" button.

2. Touch the "Setup" switch.

3. Touch the "Change" switch. The "Adjust Time Zone" screen appears on the display.

4. Touch the desired time zone.

The selected switch is highlighted in green.

5. Touch the "OK" switch on the screen and the "Setup" screen will be displayed.

Auto voice guidance

When the "Auto Voice Guidance" feature is turned on, the voice guidance can be heard automatically.

When the "Auto Voice Guidance" feature is turned off, the voice guidance can be heard only if you push the "MAP" button.

To turn the "Auto Voice Guidance" mode on:

1. Push the "MENU" button.

2. Touch the "Setup" switch. Then touch ▼ switch to display page 2 of the "Setup" screen.

3. Touch the "On" switch of "Auto Voice Guidance". The selected switch is highlighted in green.

Voice guidance in all modes

When the "Voice Guidance in All Modes" feature is turned on, you can hear the voice guidance in all modes.

When the "Voice Guidance in All Modes" feature is turned off, voice guidance cannot be heard when using the audio system.

To turn the "Voice Guidance in All Modes" on:

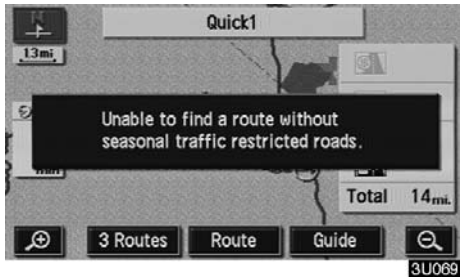
1. Push the "MENU" button.

2. Touch the "Setup" switch. Then touch ▼ switch to display page 2 of the "Setup" screen.

3. Touch the "On" switch of "Voice Guidance in All Modes" and touch the "OK" switch.

Notifying traffic restriction

When the "Notify Traffic Restriction" feature is turned on, the system notifies you of traffic or seasonal restrictions.



To turn the "Notify Traffic Restriction" mode on:

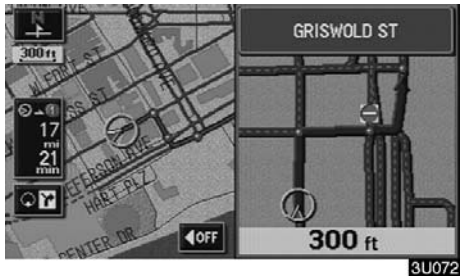
1. Push the "MENU" button.

2. Touch the "Setup" switch. Then touch ▼ switch to display page 2 of the "Setup" screen.

3. Touch the “On” switch of “Notify Traffic Restriction” and touch the “OK” switch.

Intersection guidance

When the “Intersection Guidance” feature is turned on, the system will display the intersection guidance screen if you drive with route guidance.



To turn the “Intersection Guidance” mode on:

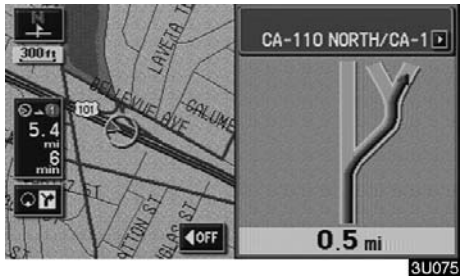
1. Push the “MENU” button.

2. Touch the “Setup” switch. Then touch switch to display page 2 of the “Setup” screen.

3. Touch the "On" switch of "Intersection Guidance" and touch the "OK" switch.

Guidance screen on freeway

When the "Guidance Screen on Freeway" feature is turned on, the system will display the lane guidance screen if you drive on a freeway with route guidance.



To turn the "Guidance Screen on Freeway" mode on:

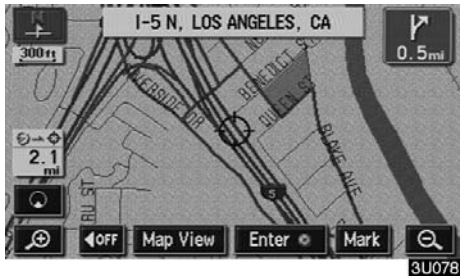
1. Push the "MENU" button.

2. Touch the "Setup" switch. Then touch ▼ switch to display page 2 of the "Setup" screen.

3. Touch the "On" switch of "Guidance Screen on Freeway" and touch the "OK" switch.

Street name on scroll map

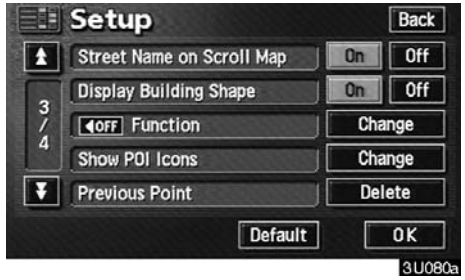
When the "Street Name on Scroll Map" feature is turned on, the system will display the name of a street where the cursor ⌖ is positioned on the scroll map.



To turn the "Street Name on Scroll Map" mode on:

1. Push the "MENU" button.

2. Touch the "Setup" switch. Then touch ▼ switch twice to display page 3 of the "Setup" screen.



3. Touch the "On" switch of "Street Name on Scroll Map" and touch the "OK" switch.

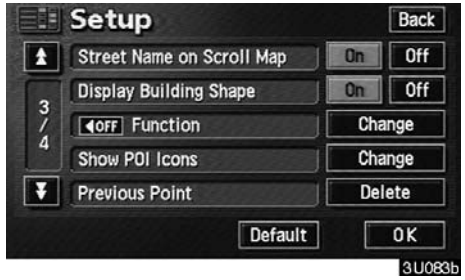
Display of building shape

When the "Display Building Shape" feature is turned on, the system will display the building shape on the map screen using a scale of 150 feet (50 m) to 300 feet (100 m).

To turn the "Display Building Shape" mode on:

1. Push the "MENU" button.

2. Touch the "Setup" switch. Then touch ▼ switch twice to display page 3 of the "Setup" screen.



3. Touch the "On" switch of "Display Building Shape" and touch the "OK" switch.

Screen layout function (OFF Function)

You can set display or hide each switch and current street name on the map screen.

1. Push the "MENU" button.

2. Touch the "Setup" switch. Then touch switch twice to display page 3 of the "Setup" screen.

3. Touch the "Change" switch of the "OFF Function".

4. Touch the switch corresponding to the desired setting. Then touch the "OK" switch.

POI category change (Show POI Icons)

You can choose 6 icons displayed on the "Show POI Icons" top screen, so that you can easily set which icons to display on the map screen.

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

2. **Touch the "Setup" switch. Then touch switch twice to display page 3 of the "Setup" screen.**

3. **Touch the "Change" switch of "Show POI Icons".**

4. **Touch the category switch you wish to change.**

5. Touch the switch corresponding to the desired category. Then touch the "OK" switch.

Delete previous point

You can delete your previous destination.

1. Push the "MENU" button.

2. Touch the "Setup" switch. Then touch switch twice to display page 3 of the "Setup" screen.

3. Touch the "Delete" switch of "Previous Point".

4. Touch the switch you want to delete.

For efficient previous point search, previous points can be sorted by the "Date" or "Name" switch.

5. To delete the point, touch the "Yes" switch.

To cancel the deletion, touch the "No" switch.

Map color

1. Push the "MENU" button.

2. Touch the "Setup" switch. Then touch switch three times to display page 4 of the "Setup" screen.

3. Touch the desired color for day and/or night map and then touch the "OK" switch to return the map screen.

Touch the **"Normal"** switch to return to the default map color.

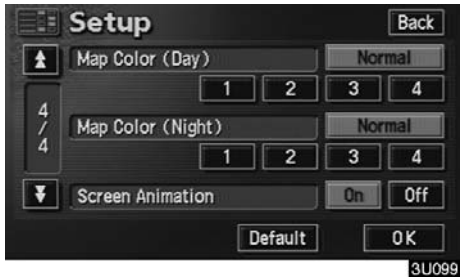
Screen animation

When the "Screen Animation" feature is turned on, some switches and screens become animated. (e.g.: change map guidance on the map screen)

To turn the "Screen Animation" mode on:

1. Push the "MENU" button.

2. Touch the "Setup" switch. Then touch ▼ switch three times to display page 4 of the "Setup" screen.



3. Touch the "On" switch of "Screen Animation" and touch the "OK" switch.

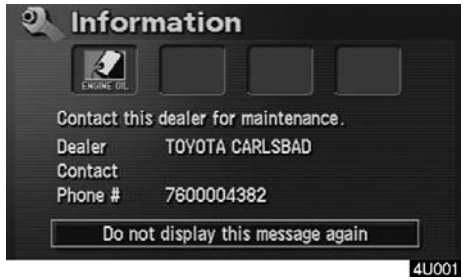
SECTION IV

OTHER FUNCTIONS

Other functions

Maintenance information 100
Calendar with memo 105
Trip information 112
Screen setting 112
Screen adjustment 113
Clock adjustment 115

Maintenance information

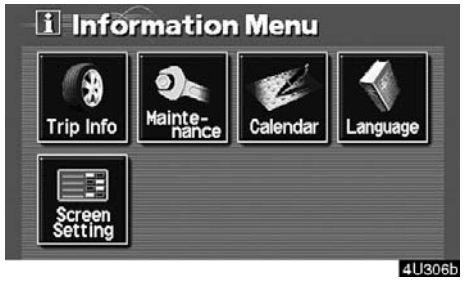


This system informs you when to replace certain parts or components and shows dealer information (if registered) on the screen. (See "Information items" on page 101.)

When the vehicle reaches a previously set driving distance or date specified for a scheduled maintenance check, the "Information" screen will be displayed when the navigation system is in operation.

To disable this screen, touch the "Do not display this message again" switch.

To prevent this information screen from being displayed again, touch the **"Do not display this message again"** switch.



1. Push the "INFO" button to display the "Information Menu" screen and touch the "Maintenance" switch.

2. Touch the desired icon.

"Delete All": To cancel all conditions which have been inputted.

"Reset All": To reset the item which has satisfied a condition.

Touch the **"Off"** switch at the top of the "Maintenance" screen to turn off the information screen.

When your vehicle needs to be serviced, the icon color will change to orange.

Information items

Change oil.

Replace oil filter.

Rotate tires.

Replace tires.

Replace 12 volt battery.

Replace brake linings.

Replace wiper blades.

Replace gasoline engine and inverter coolant.

Replace brake fluid.

Replace ATF.

Scheduled maintenance.

Replace air filter.

Personal items.

When you touch the **"PERSONAL ITEMS"** switch on the "Maintenance" screen, the screen changes to the "Personal Event" screen. Touch the keys to input the desired name and then input conditions.

3. Input the conditions.

Notice of "Date": You can input the next maintenance date.

Notice of "Distance": You can input the driving distance until the next maintenance check.

After you input the date and/or distance, touch the **"OK"** switch. The screen then returns to the "Maintenance" screen.

INFORMATION

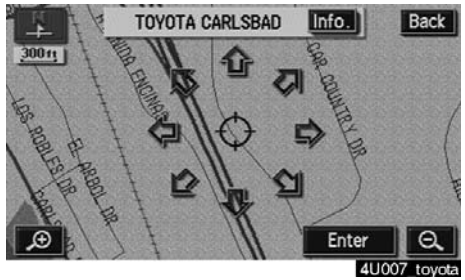
- ***For scheduled maintenance information, please refer to the "Scheduled Maintenance Guide" or "Owner's Manual Supplement".***
- ***Depending on driving or road conditions, the actual date and distance may differ from the stored date and distance in the system.***

(a) Register dealer

You can register the dealer name, staff, location and phone number.

1. Touch the "Set Dealer" switch on the "Maintenance" screen.

2. Enter the location of the dealer in the same way as for destination input. (See page 24.)



After you input the dealer, the screen changes and displays the map location of the dealer. If it is OK, touch the **"Enter"** switch.

The screen changes to "Edit Dealer" screen. (See "(b) Edit dealer".)

(b) Edit dealer

You can edit the dealer name, staff, location and phone number.

1. Touch the "Set Dealer" switch on the "Maintenance" screen.

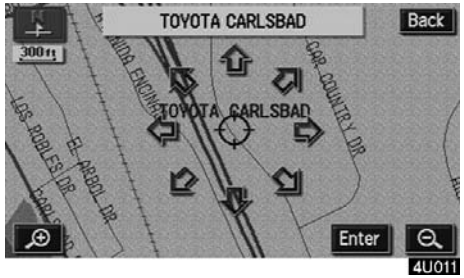
2. To edit, touch the corresponding switch.

- **To edit “Dealer” or “Contact”**

To input the name, touch the alphabet, numeral and/or umlaut keys. You can input up to 24 letters.

After inputting, touch the **“OK”** switch at the bottom right of the screen. The previous screen will be displayed.

- **To edit “Location”**



Set the cursor ⌖ to the desired point, and touch the “Enter” switch on the screen.

- **To edit “Phone #” (telephone number)**

Touch numeral keys.

After inputting, touch the **“OK”** switch. The previous screen will be displayed.

(c) Delete dealer

1. Touch the “Delete Dealer” switch on the screen.

2. A message will appear on the screen. To delete, touch the “Yes” switch. To cancel the deletion, touch the “No” or “Back” switch.

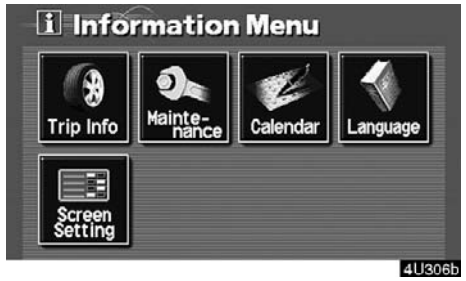
(d) Set as destination

Touch the “Enter ⊙” switch on the “Set Dealer” screen. The screen changes and displays the map location of the registered dealer and the “Route Preference”. (See “ — Entering destination” on page 42.)

Calendar with memo

This system informs you of a memo entry. At the specified date, the memo information will be displayed when the navigation system is in operation. The memo information screen will appear every time the system is turned on.

To disable this screen, touch the “Do not display this message again.” switch.

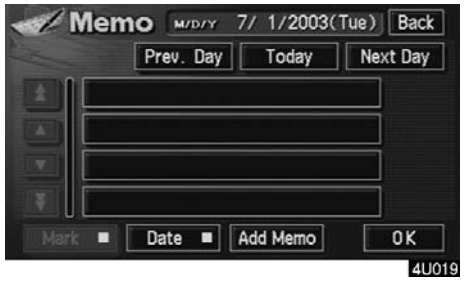


To display the "Information Menu" screen, push the "INFO" button. Then touch the "Calendar" switch.

To display the current month calendar, touch the **"Today"** switch. The current date is indicated by a yellow mark.

(a) Inputting a memo

1. Touch the day you want to add a memo.



2. To display the "Memo" screen, touch the "Add Memo" switch.

- **Memo**

Touch the "Memo" switch to enter text.

Enter text using the keys. You can enter text up to 24 letters.

After entering the text, touch the **"OK"** switch at the bottom right of the screen.

- **Location**

Touch the "Location" switch to set location.

A screen similar to the destination input screen appears. Input the same way as inputting a destination. (See page 24.)

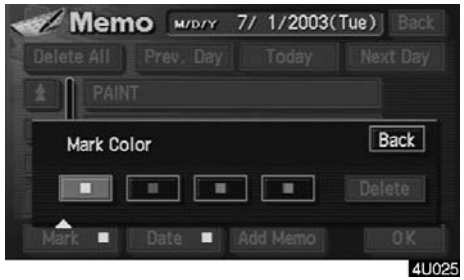
You can add the memos up to 100 until December 31, 2022.

The date inputted is marked as shown above.

You can choose the desired mark and/or date color.

- **Mark color**

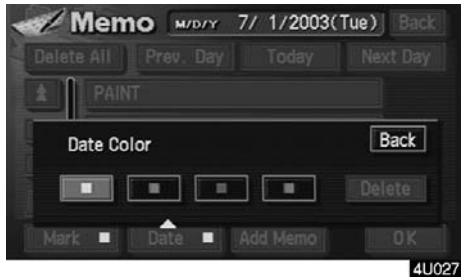
Touch the "Mark" switch.



Touch your desired color for the mark.

- **Date color**

Touch the "Date" switch.

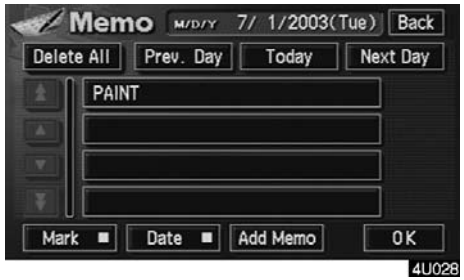


Touch your desired color for the date.

You can set a color of the mark and/or date for the date you added the memo and/or location.

To default the date color, touch the "Delete" switch on the screen. After you choose the date and/or mark color, touch the "OK" switch to display the previous screen.

(b) Adding a memo



To add a memo, touch the corresponding date.

The "Memo" screen appears on the display. Touch the "Add Memo" switch. (See page 106 for inputting a memo.)

You can add up to 100 memos.

(c) Deleting a memo

Touch the corresponding date. Touch the corresponding memo switch, and then touch the "Delete" switch on the screen. A message appears on the display. To delete, touch the "Yes" switch. To cancel the deletion, touch the "No" switch.

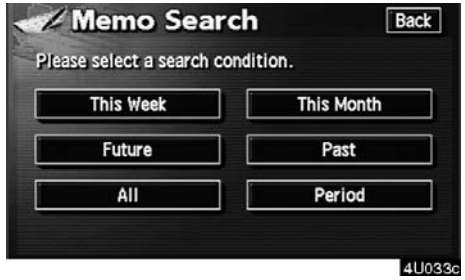
(d) Editing a memo

To edit a memo, touch the corresponding date, and then touch the memo you wish to edit.

Touch the "Memo" or "Location" switch.

(e) Memo list

1. To list the memos you added, touch the "List" switch.



2. Touch the desired search condition to list the memos. The "Memo List" is displayed on the screen.

To display the memos listed in a desired period, touch the "Period" switch.

Touch the number keys.

After setting the period, touch the "OK" switch. The "Memo List" screen will be displayed.

You can set a period from January 1, 2003, through December 31, 2022, for searching.

To delete and/or edit the memo, touch the desired memo switch.

To delete all memos, touch the "Delete All" switch. A message appears on the display. To delete, touch the "Yes" switch. To cancel the deletion, touch the "No" switch.

To edit: Touch the corresponding **"Memo"** or **"Location"** switch. (See page 110 for details.)

To delete: Touch the **"Delete"** switch. (See page 109 for details.)

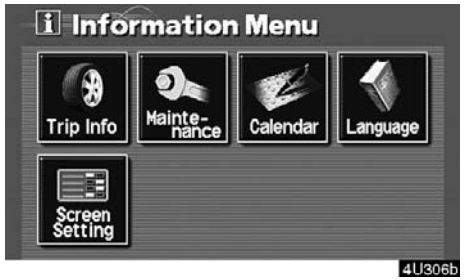
Trip information

Trip information such as shown below can be displayed on the screen. For details see Section 1−10 the vehicle owner's manual.

- **Energy monitor**
- **Regenerated energy**
- **Fuel consumption**
- **Outside temperature**
- **Trip distance**

Screen setting

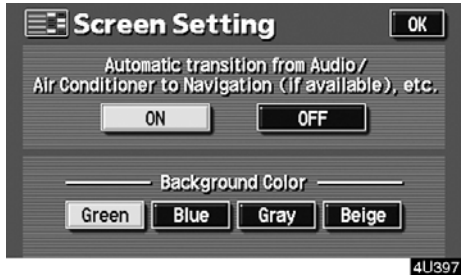
1. Push the "INFO" button to display the "Information Menu" screen.



2. Touch the "Screen Setting" switch.

(a) Automatic transition

You can select a function that enables automatic return to the navigation screen from the audio or air conditioner screen.



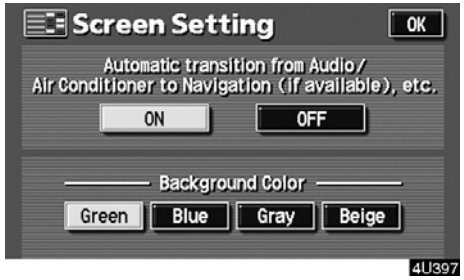
Select “ON” or “OFF” and then touch the “OK” switch.

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

“OFF”: The audio or air conditioner screen remains on.

(b) Background color

You can select a background color.



Select the desired background color and then touch the “OK” switch.

Screen adjustment

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

To display the “Display” screen push the “DISPLAY” button.

Contrast and brightness adjustment

“CONTRAST” “+”:
Strengthens the contrast of the screen.

“CONTRAST” “–”:
Weakens the contrast of the screen.

“BRIGHTNESS” “+”:
Brightens the screen.

“BRIGHTNESS” “–”:
Darkens the screen.

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

The rear screen turns off when you touch **“Rear OFF”**.

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

INFORMATION
When you do not touch any button on the “Display” screen for 20 seconds, the previous screen will be displayed.

Color and tone adjustment (with rear seat entertainment system)

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

“COLOR” “RED”:
Strengthens the red color of the screen.

“COLOR” “GREEN”:
Strengthens the green color of the screen.

“TONE” “+”: Strengthens the tone of the screen.

“TONE” “−”: Weakens the tone of the screen.

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

The rear screen turns off when you touch **“Rear OFF”**.

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

INFORMATION
When you do not touch any button on the “Display” screen for 20 seconds, the previous screen will be displayed.

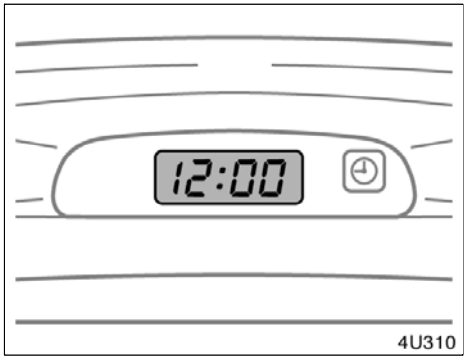
Depending on the position of the headlight switch, the screen changes to either day mode or night mode.

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

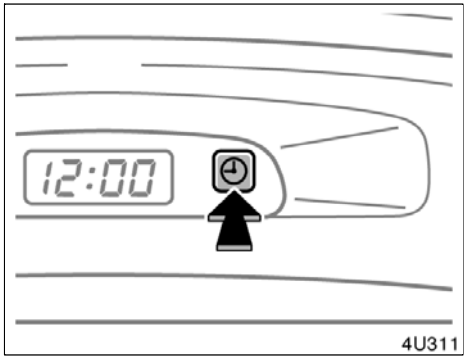
However, if the instrument panel light control switch is turned fully to the right, mode switching cannot be done. It remains in the day mode. In this case, **"DAY MODE"** is not shown on the screen.

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

Clock adjustment



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



Push the "🕘" button to display the "Adjust Clock" screen.

- **To adjust a clock automatically**

Before you use the auto adjust function, select the time zone (see “Time Zone” described below). Touch the **“ON”** switch of “Auto Adjust”. The time is automatically adjusted by the GPS clock.

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

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

“Others”: You can adjust the time zone with “▲”, “▼” switches.

- **To adjust a clock manually**

Touch the **“OFF”** switch of “Auto Adjust”.

You can adjust the clock manually with **“H”**, **“M”** and **“:00”** switches.

“H”: To set the hour.

“M”: To set the minute.

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

- **To set daylight saving time**

“Daylight Saving Time”: You can set or cancel the daylight saving time.

To set the daylight saving time touch the **“ON”** switch, to cancel it touch the **“OFF”** switch.

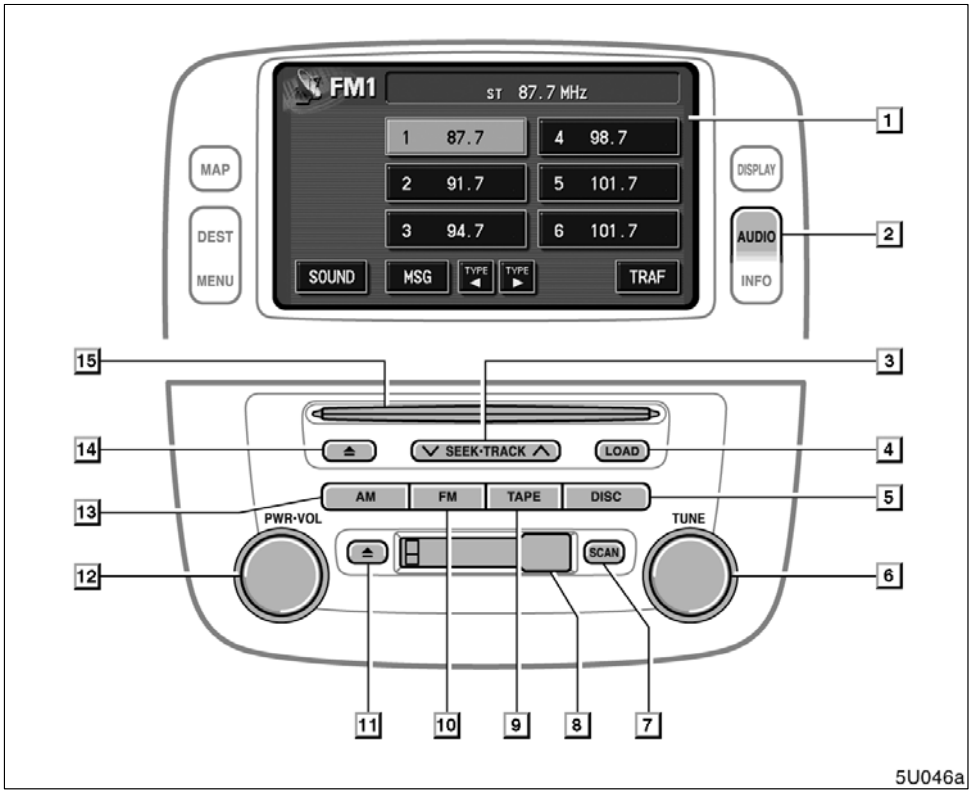
SECTION V

AUDIO SYSTEM

Audio system

Quick reference 120
Using your audio system 121
Audio system operating hints 151

Quick reference



1 **Function switch display screen**
Touch the switches displayed on the screen to control the radio, cassette tape player and disc players. For details, see page 122.

2 **"AUDIO" button**
Push this button to display the audio control screen. For details, see page 122.

3 **"SEEK·TRACK" button**
Push either side of this button to seek up or down for a station, or to access a desired program or track. For details, see pages 126, 130, 133, and 136.

4 **"LOAD" button**
Push this button to insert the compact discs. For details, see pages 125 and 130.

5 **"DISC" button**
Push this button to turn the compact disc player with changer and DVD player on. For details, see pages 125 and 132.

6 **"TUNE" knob**
Turn this knob to move up or down the station band. For details, see page 126.

7 **“SCAN” button**
Push this button to scan radio stations or scan the tracks on a compact disc. For details, see pages 126, 133 and 137.

8 **Cassette tape slot**
Insert a cassette tape into the slot. For details, see page 128.

9 **“TAPE” button**
Push this button to turn the cassette tape player on. For details, see pages 122 and 128.

10 **“FM” button**
Push this button to choose an FM station. For details, see pages 122 and 125.

11 **“⏏” button for the cassette tape**
Push this button to stop and eject the cassette tape. For details, see page 128.

12 **“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 122.

13 **“AM” button**
Push this button to choose an AM station. For details, see pages 122 and 125.

14 **“⏏” button for the compact discs**
Push this button to eject the compact discs. For details, see page 131.

15 **Compact disc slot**
Insert compact discs into the slot after pushing “LOAD” button. For details, see pages 125 and 130.

Using your audio system — — Some basics

This section describes some of the basic features of your 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 12 volt battery from being discharged, do not leave the audio system on longer than necessary when the hybrid system is off.

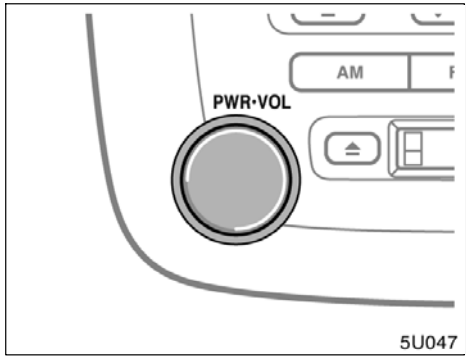
⚠ CAUTION

For vehicles sold in U.S.A. and Canada:

- **Part 15 of the FCC Rules**

  FCC Warning:
  Any unauthorized changes or modifications to this equipment will void the user's authority to operate this device.

- **Laser products**
  - **Do not take this unit apart or attempt to make any changes yourself. This is an intricate unit that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.**
  - **This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.**

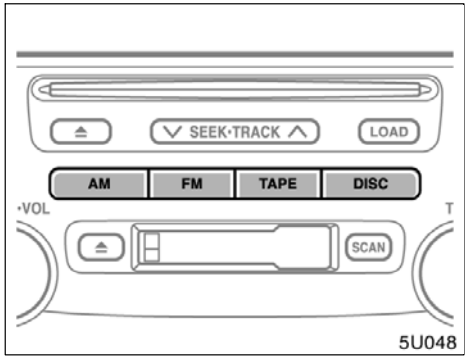


(a) Turning the system on and off

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

"AUDIO": Push this button to display switches for audio system (audio control mode).

You can select the function that enables automatic return to the previous screen from the audio screen. See page 112 for details.

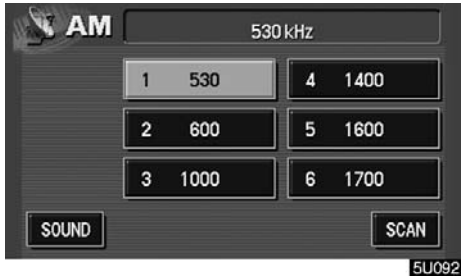


Push "AM", "FM", "TAPE" or "DISC" button to turn on the desired mode. The selected mode turns on immediately.

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

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

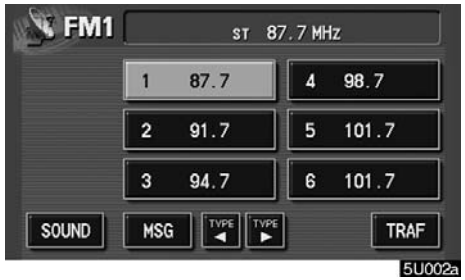
You can turn off each player by ejecting the cassette tape or compact disc. If the audio system was previously off, then the entire audio system will be turned off when you eject the cassette tape or compact disc. If another function was previously playing, it will come on again.



AM (See page 125)

TAPE (See page 128)

DVD (See page 135)



FM (See page 125)

CD (See page 130)

The switches for radio, cassette tape and disc player operation are displayed on the function switch display screen when the audio control mode is selected. Touch them lightly and directly on the screen.

The selected switch is highlighted in green or yellow.

INFORMATION

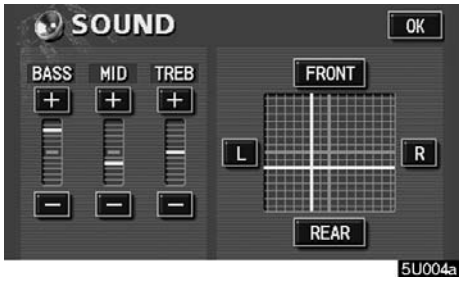
- ***If the system does not respond to a touch of a switch, move your finger away from the screen and then touch it again.***
- ***You cannot operate dimmed switches.***
- ***Wipe off fingerprints on the surface of the display using a glass cleaning cloth.***

(b) Tone and balance

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

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

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



Touching the “SOUND” switch displayed on the screen at the audio control mode will display the sound control mode. Adjust the tone and balance as follows.

To adjust the tone, touch the “+” or “−” switch on the screen. To adjust the balance between the front and rear speakers, touch the “FRONT” or “REAR” switch on the screen, and to adjust the balance between the left and right, touch the “L” or “R” switch on the screen.

“BASS”: Adjusts low−pitched tones.

“MID”: Adjusts mid−pitched tones.

“TREB”: Adjusts high−pitched tones.

As the yellow display goes up, each tone is more emphasized.

(c) Your radio antenna

Your vehicle has an antenna printed on the inside of the rear quarter windows.

NOTICE

Putting a film (especially a conductive or metallic film) on the rear window will noticeably reduce the sensitivity of the radio.

(d) Your cassette player

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

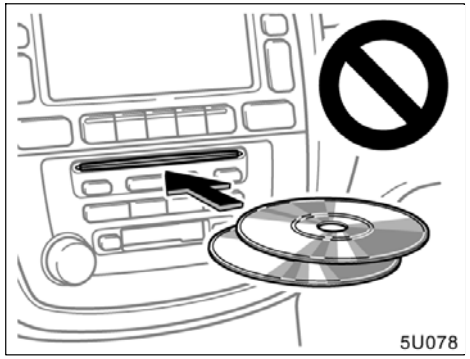
NOTICE

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

(e) Your compact disc player with changer

When you insert a disc, push the “LOAD” button and gently push the disc in with the label side up. This compact disc player can store up to six discs. The player will play from track 1 through to the end of the disc. Then it will play from track 1 of the next disc.

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



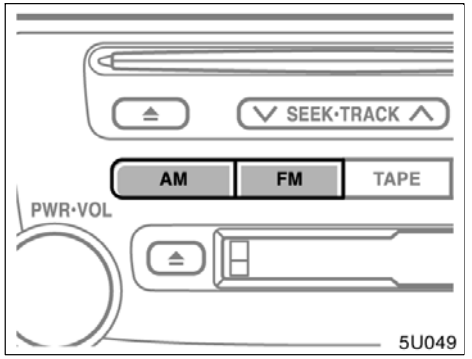
NOTICE

- ***Do not stack up two discs for insertion, or it will cause damage to the compact disc player with changer. Insert only one compact disc into slot at a time.***
- ***Never try to disassemble or oil any part of the compact disc player. Do not insert anything other than a compact disc into the slot.***

(f) Your DVD player

You can enjoy the sound of the rear seat entertainment system by pushing the “DISC” button.

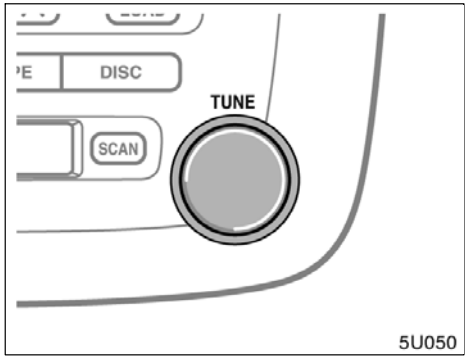
— Radio operation



(a) Listening to the radio

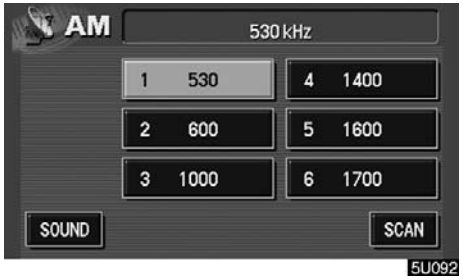
Push these buttons to choose either an AM or FM station.

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



Turn the knob clockwise to step up the station band or counterclockwise to step down.

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



(b) Presetting a station

1. Tune in the desired station.

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

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.

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

(c) Selecting a station

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

Preset tuning: Touch the switch (1 — 6) for the station you want. The switch is highlighted in green and the station frequency appears on the screen.

Seek tuning: Push the “SEEK·TRACK” button on either side. The radio will begin seeking up or down for a station of the nearest frequency and will stop on reception. Each time you push the button, the stations will be searched automatically one after another.

To scan all the frequencies: Touch the “SCAN” switch on the screen or push the “SCAN” button briefly. “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, touch the “SCAN” switch or push the “SCAN” button again.

To scan the preset stations: Touch the “SCAN” switch on the screen or push the “SCAN” button for longer than approximately a second. “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, touch the “SCAN” switch or push the “SCAN” button again.

(d) Radio Data System

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

When RDS is on, the radio can
— only select stations of a particular program type,
— display messages from radio stations,
— search for a stronger signal station.

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

"TYPE ◀ ▶" switch:
If the system receives no RDS stations, "NO PTY" appears on the display.

Each time you touch the "TYPE ◀" or "TYPE ▶" switch, the program type changes as follows:

- ROCK
- MISC (Miscellaneous)
- Inform (Information)
- Easy Lis (Easy listening)
- Cls/Jazz (Classical music and Jazz)
- R & B (Rhythm and Blues)
- Religion
- Alert (Emergency message)

"TYPE SEEK" switch:
When a program is set, "TYPE SEEK" switch appears. Touch the switch and the system starts to seek the station in the relevant program type.

If any type program station is not found, "NOTHING" appears on the display.

"MSG" (MESSAGE) switch:
If the system receives a radio text from an RDS station, "MSG" appears on the display. Touch the "MSG" switch, and a text message is displayed on the screen.

In case a text message is not accepted in a screen, you can touch the "MSG" switch and hold it to display the rest of the message.

When the system can show the station name, "RDS" appears on the display. Each time you touch the "MSG" switch, indication on the display changes from the band to the station name, to radio text in this order. After six seconds pass, indication returns to the band.

(e) Traffic announcement

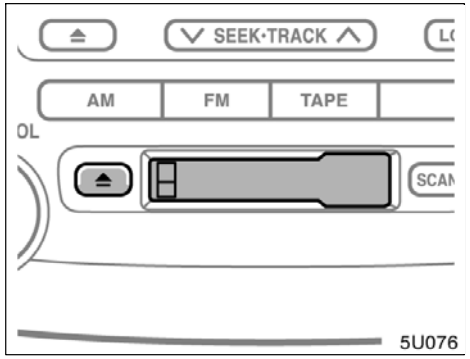
"TRAF" switch:
A station that regularly broadcasts traffic information is automatically located.

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

If any traffic program station is not found, "NOTHING" appears on the display.

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

— Cassette tape player operation



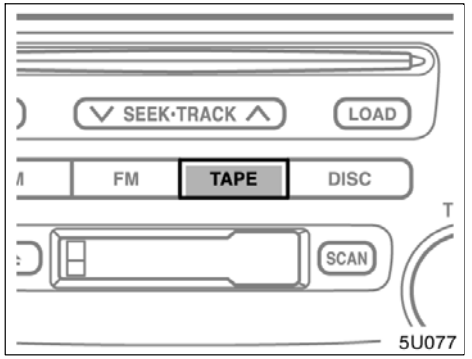
(a) Inserting or ejecting a cassette tape

Put the cassette tape in the slot with the exposed tape side to the right and lightly push it in.

To stop and eject the cassette tape, push the "⏏" button.

The player will automatically start when you insert the cassette tape. At this time, "TAPE" appears on the screen.

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



(b) Playing a cassette tape

Push the "TAPE" button if a cassette tape is already in the slot.

Dolby® B NR*:
If you are listening to a tape that was recorded with Dolby® Noise Reduction, touch the switch on the screen. The symbol is highlighted in yellow.

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

To play a tape recorded without Dolby NR, touch the switch once again.

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. “DOLBY” and the double D symbol ⧈ are trademarks of Dolby Laboratories Licensing Corporation.

(c) Manual program selection

Program switch: Touch the “ ◀I▶ ” switch on the screen to select the other side of a cassette tape. The display indicates which side is currently selected (▲ indicates top side, ▼ indicates bottom side).

Fast forward switch: Touch the “▶▶” switch on the screen to fast forward a cassette tape. “FF” appears on the screen.

To stop fast forwarding, touch the same switch or push the “TAPE” button.

Rewind switch: Touch the “◀◀” switch on the screen to rewind a cassette tape. “REW” appears on the screen.

To stop rewinding, touch the same switch or push the “TAPE” button.

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

(d) Automatic program selection

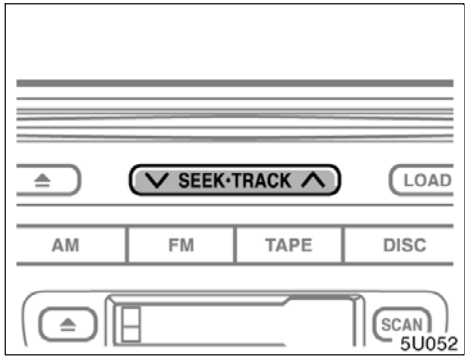
“RPT” switch: The repeat feature automatically replays the current program.

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

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

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

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



"SEEK·TRACK" button: The automatic program selection feature allows you to program your cassette player to skip forward or backward to locate the track you want to listen to. You can skip up to 9 programs at a time.

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

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

Push this button on the "∨" side to skip backward. Push the button until "REW" and the number of programs you want to skip appears on the screen.

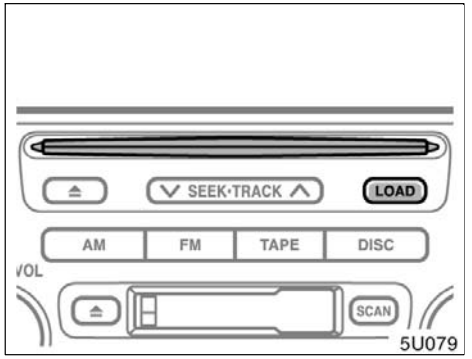
- If you set "REW 1", the player will rewind to the beginning of the current program.
- When counting the number of programs you want to rewind, remember to count the current program as well. For example, if you want to rewind to a program that is two before the program you are listening to, push this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

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

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

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

— Compact disc player with changer operation



(a) Inserting compact discs

The ignition switch must be in the "ACC" or "ON" position.

Your compact disc player with changer can store up to 6 discs.

- **Setting a single compact disc:**

1. Push the "LOAD" button briefly.

You can set a disc at the lowest empty disc number.

2. The red indicators of the slot start blinking. After the red indicators change to green, insert only one disc. If you need to insert the next disc, repeat the same procedure to insert another disc.

After insertion, the set disc is automatically loaded.

If the label faces down, the disc cannot be played. In this case, “CD CHECK” appears on the display.

- **Setting all the discs:**

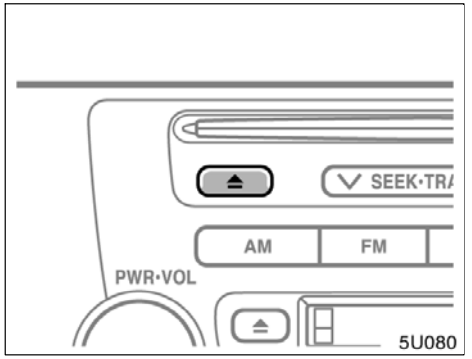
1. Push the “LOAD” button until you hear a beep.

2. The red indicators of the slot start blinking. After the red indicators change to green, insert only one disc. After the disc is loaded, the red indicators of the slot start blinking again. It changes to green, you can insert the next disc. Repeat this procedure until you insert all the disc.

If you do not insert the discs within 15 seconds after pushing the “LOAD” button, the operation will be canceled automatically.

NOTICE

Do not insert one disc stacked on top of another one or feed them in continuously, to prevent discs from getting stuck in the player.



(b) Ejecting compact discs

- **A single disc alone:**

1. Touch the disc number you want to eject on the screen.

The selected disc number is highlighted in green.

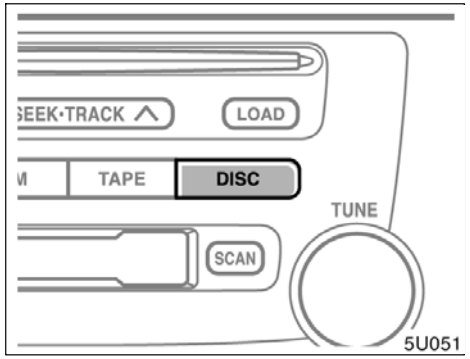
2. Push the “⏏” button for the compact disc briefly.

At this time, the red indicators of the slot start blinking. After the disc is ejected, the red indicators change to green.

- **All the discs:**

Push the “⏏” button for the compact disc until you hear a beep.

The numbers of the trays where the compact disc is not set are dimmed.



(c) Playing a compact disc

Push the "DISC" button if the discs are already loaded in the player.

"CD CHANGER" appears on the screen.

The discs set in the player are played continuously, starting with the last disc you inserted. The disc number of the disc currently being played, the track number and the time from the beginning of the program appear 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.

(d) Selecting a desired disc

Touch the desired disc number on the screen.

The selected disc number is highlighted in green.

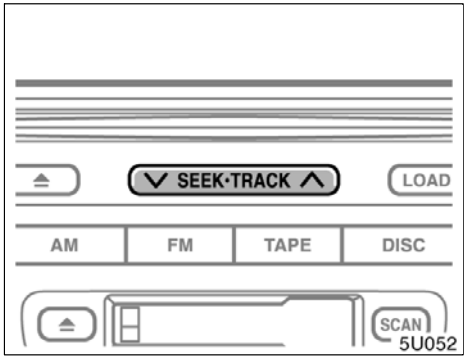
The player will start playing the selected disc from the first track.

(e) Searching for a desired disc

Touch the "DISC SCAN" switch.

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

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



(f) Selecting a desired track

"SEEK·TRACK" button: Use for direct access to a desired track.

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

Fast forward:

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

Reverse:

Touch the ▼▼ switch and hold it to reverse the disc. When you release the switch, the compact disc player will resume playing.

(g) Searching for a desired track

Touch the "SCAN" switch on the screen or push the "SCAN" button.

"SCAN" will be highlighted in yellow on the screen. The compact disc player will play the next track for 10 seconds, then scan again. To select a track, touch the "SCAN" switch on the screen or push the "SCAN" button a second time. If the player reaches the end of the disc, it will continue scanning at track 1.

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

(h) Other compact disc player functions

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

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

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

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

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

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

When a track is skipped or the system is inoperative, touch the switch to reset.

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

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

CD text only — To display the title of the disc and truck, touch the “TITLE” switch. When the “TITLE OFF” switch is touched, the display changes to the disc number screen.

(i) If the player malfunctions

If the player or another unit equipped with the player malfunctions, your audio system will display following error messages.

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

If “CD ERROR” appears on the display: The following causes are possible.

- There is a trouble inside the system. Eject the disc.
- The inside of the player unit may be too hot due to the very high ambient temperature. Eject the disc and allow the player to cool down.

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

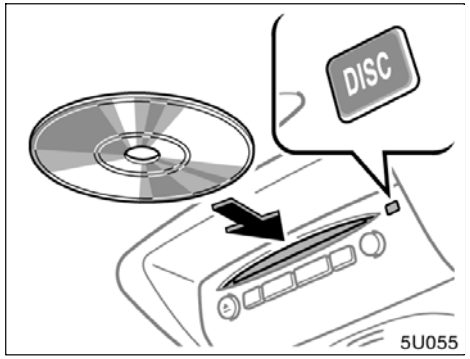
— DVD player operation

The DVD player can play DVD video, audio CD, video CD, CD text, dts−CD or DVD audio only when a disc is loaded in the DVD player.

- Audio CD, CD text, dts−CD 136
- DVD video, DVD audio 137
- Video CD 147

Refer to “Rear seat entertainment system” for details.

For appropriate discs for this player, see “Audio system operating hints” on page 151.



(a) Inserting the disc

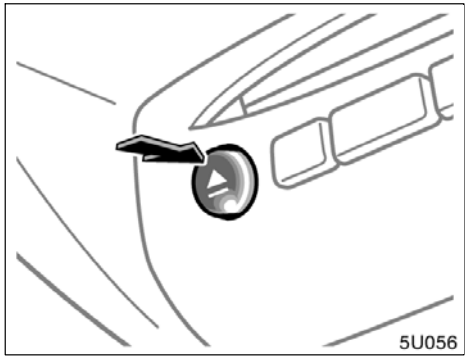
The indicator light turns on while the disc is loaded.

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

If a disc which is not playable is inserted, “DISC CHECK” will also appear on the screen. For appropriate discs for this player, see “Audio system operating hints” on page 151.

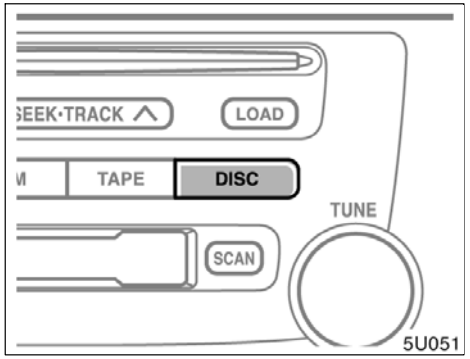
NOTICE

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



(b) Ejecting a disc

Push the “⏏” button.



(c) Playing a disc

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

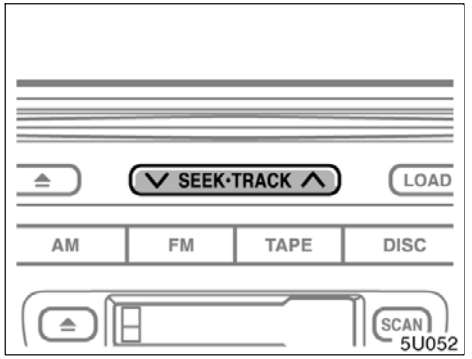
"DVD" appears on the screen. (If the CD player is turned on, push the "DISC" button again to switch to the DVD player.)

(d) Operating an audio CD (audio CD, CD text, dts−CD)

PLAYING AN AUDIO CD

Push the "AUDIO" button to display this screen.

CD text only — The disc title and track title will appear on the screen when pushing the "DISC" button.



SELECTING A DESIRED TRACK

"SEEK·TRACK" button: Use for direct access to a desired track.

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

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

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

SEARCHING FOR A DESIRED TRACK

Touch the "SCAN" switch on the screen or push the "SCAN" button.

"SCAN" will be highlighted in yellow on the screen. The player will play the next track for 10 seconds, then scan again. To select a track, touch the "SCAN" switch on the screen or push the "SCAN" button a second time. If the player reaches the end of the disc, it will continue scanning at track 1.

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

OTHER FUNCTIONS

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

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

To cancel it, touch the switch once again.

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

When the switch is touched, the system selects a track in the disc you are currently listening to.

To cancel it, touch the switch once again.

If a CD−TEXT disc is inserted, the title of the disc and track will be displayed. Up to 29 letters can be displayed.

(e) Operating a DVD disc

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

Precautions on DVD disc

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

When playback of a disc is completed, playback will stop or the menu screen will be displayed.

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

⚠ CAUTION

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

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

Touch “OK” when you read the message.

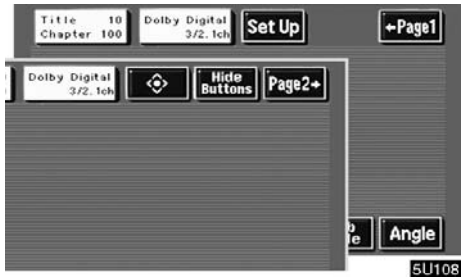
DVD video

DVD audio

PLAYING A DVD DISC

Push the “AUDIO” button to display DVD screen.

It you touch the “PICTURE” switch when the vehicle is completely stopped and the parking brake is applied, the video screen returns.



DISPLAYING DVD CONTROLS

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

"Page2": Touching this will display on the second page of DVD controls.

"Page1": Touching this will display the top page of DVD controls.

"Hide Buttons" switch: Touching this will turn off the controls from the screen.

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

DESCRIPTION OF DVD VIDEO CONTROLS

- **Top page controls**

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

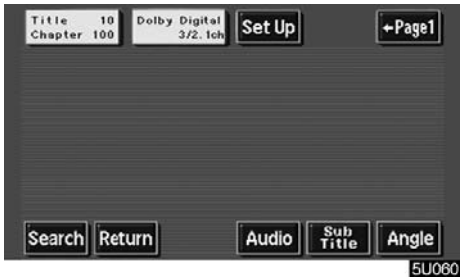
"⊹": The menu control key appears on the screen. (See page 140.)

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

"◀◀": Touching this will fast reverse during playback and reverse slowly during pause.

"▶": Touching this switch will resume normal play after stop or pause.

"▶▶": Touching this will fast forward during playback and forward slowly during pause.



- **Second page controls**

"Set Up": The initial set up screen appears. (See page 143.)

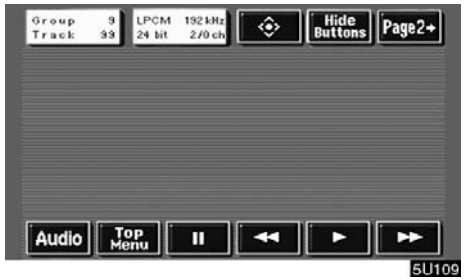
"Search": The title search screen appears. (See page 141.)

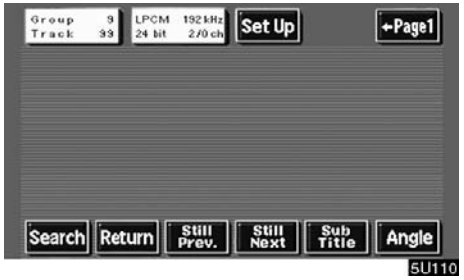
"Return": Touching this will display the predetermined scene and start playing from there.

"Audio": The audio changing screen appears. (See page 142.)

"Sub Title": The subtitle changing screen appears. (See page 142.)

"Angle": The angle selection screen appears. (See page 143.)





DESCRIPTION OF DVD AUDIO CONTROLS

- **Top page controls**

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

"Audio": The audio changing screen appears. (See page 143.)

"[◈]": The menu control key appears on the screen. (See page 140.)

"[II]": Touch this switch to pause the disc.

"◀◀": Touching this will fast reverse.

"▶": Touching this will resume normal play after stop or pause.

"▶▶": Touching this will fast forward.

- **Second page controls**

"Set Up": The initial set up screen appears. (See page 143.)

"Search": The group search screen appears. (See page 141.)

"Return": Touching this will display the predetermined scene and start playing from there.

"Still Prev.": Touch this switch to reverse the still pictures. (See page 142.)

"Still Next": Touch this switch to forward the still pictures. (See page 142.)

"Sub Title": The subtitle changing screen appears. (See page 142.)

"Angle": The angle selection screen appears. (See page 143.)

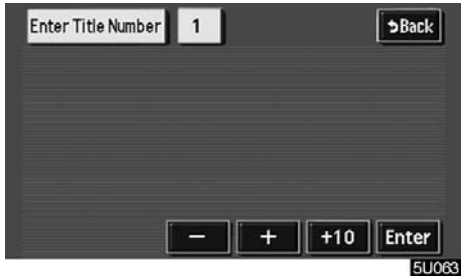
SELECTING A MENU ITEM

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

Each time you touch "Move Buttons", the controls on the screen move upward and downward.

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

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



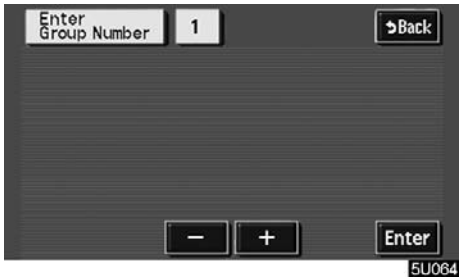
SEARCHING BY TITLE

DVD video only —

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

When you push either side of the “SEEK·TRACK ∧∨” button, you can select a chapter.

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



SEARCHING BY GROUP

DVD audio only —

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

When you push either side of the “SEEK·TRACK ∧∨” button, you can select a track.

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

SELECTING THE BONUS GROUP

DVD audio only —

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

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

CHANGING THE STILL PICTURE

DVD audio only —

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

CHANGING THE SUBTITLE LANGUAGE

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

To turn off the subtitle, touch “Hide”.

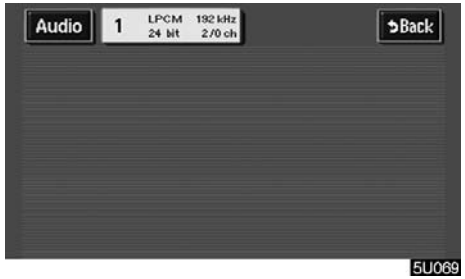
When you touch “Back”, the previous screen returns.

CHANGING THE AUDIO LANGUAGE

DVD video only —

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

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

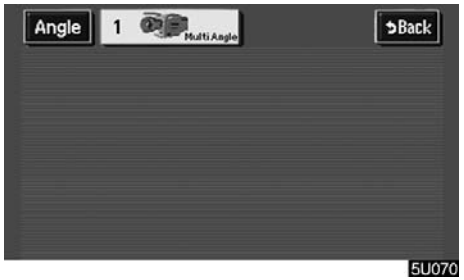


CHANGING THE AUDIO FORMAT

DVD audio only —

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

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



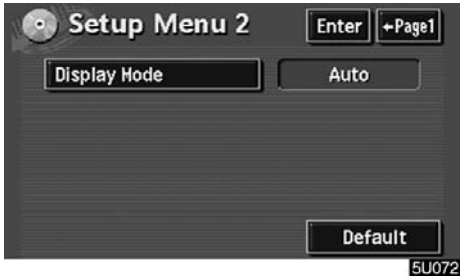
CHANGING THE ANGLE

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

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

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

“Setup Menu 1” screen



“Setup Menu 2” screen

SETUP MENU

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

To change the screen, push the "Page1" or "Page2" switch on the screen.

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

When the "Default" switch on "Setup Menu 2" is pushed, all menus are initialized.

The initial setting can be changed.

- **Audio language**

You can change the audio language.

1. Touch "Audio Language".

2. Touch the language you want to hear on the "Select Audio Language" screen.

If you cannot find the language you want to hear on this screen, touch "Others" and enter a language code. For the entry of language code, see the following "ENTER SUBTITLE LANGUAGE CODE".

- **Subtitle language**

You can change the subtitle language.

1. Touch "Subtitle Language".

2. Touch a language you want to read on the "Select Subtitle Lang." screen.

If you cannot find the language you want to read on this screen, touch "Others" and enter a language code. For the entry of language code, see the following "ENTER SUBTITLE LANGUAGE CODE".

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

- **DVD language**

You can change the language on the DVD video menu.

1. Touch "DVD Language".

2. Touch the language you want to read on the "Select DVD Language" screen.

If you cannot find the language you want to read on this screen, touch "Others" and enter a language code. For the entry of language code, see the following "ENTER SUBTITLE LANGUAGE CODE".

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

- **Angle mark**

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

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

- **Parental lock**

The level of viewer restrictions can be changed.

1. Touch "Parental Lock".

2. Enter the 4−digit personal code on the "Enter Personal Code" screen.

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

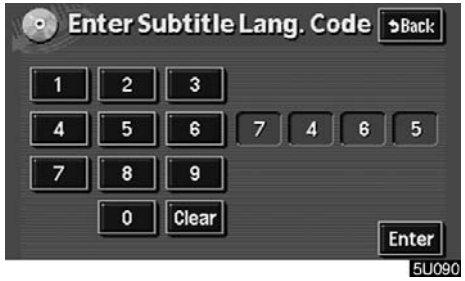
10 touches of "Clear" will initialized the personal code.

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

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

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

ENTER SUBTITLE LANGUAGE CODE



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

1. Enter the 4−digit language code.

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

2. Touch “Enter”.

Code	Language
1001	Japanese
0514	English
0618	French
0405	German
0920	Italian
0519	Spanish
2608	Chinese
1412	Dutch
1620	Portuguese
1922	Swedish
1821	Russian
1115	Korean
0512	Greek
0101	Afar
0102	Abkhazian
0106	Afrikaans
0113	Amharic
0118	Arabic
0119	Assamese
0125	Aymara
0126	Azerbaijani
0201	Bashkir
0205	Byelorussian
0207	Bulgarian
0208	Bihari
0209	Bislama
0214	Bengali
0215	Tibetan
0218	Breton
0301	Catalan
0315	Corsican
0319	Czach
0325	Welsh
0401	Danish
0426	Bhutani
0515	Esperanto
0520	Estonian
0521	Basque
0601	Persian
0609	Finnish
0610	Fiji
0615	Faroese
0625	Frisian
0701	Irish
0704	Scots−Gaelic
0712	Galician

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

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

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

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

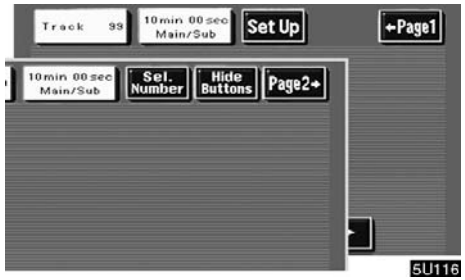
2209	Vietnamese
2215	Volapük
2315	Wolof
2408	Xhosa
2515	Yoruba
2621	Zulu

(f) Operating a video CD

PLAYING A VIDEO CD

Push the “AUDIO” button to display this screen.

It you touch the “PICTURE” switch when the vehicle is completely stopped and the parking brake is applied, the video screen returns.



DISPLAYING OPERATION SWITCHES

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

"Page2" switch: Use this switch to display the operation switches on the second page.

"Page1" switch: Use this switch to display the operation switches on the top page.

"Hide Buttons" switch: Use this switch to turn off the operation switches from the display.

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

DESCRIPTION OF EACH SWITCH

- **Switches on top page**

"Sel. Number" switch: The track or number search screen appears. (See "SEARCHING BY TRACK" on page 149.)

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

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

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

- **Switches on second page**

"⏸" switch: Use this switch to pause the video screen. When you touch this switch again, the video screen advance frame by frame.

"◀◀" switch: Touch this switch to fast reverse during playback.

"▶" switch: Touch this switch during pause to resume playing.

"▶▶" switch: Touch this switch to fast forward during the playback and start playing slowly during pause.

SEARCHING BY TRACK

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

You can select a track number by pushing "∧" or "∨" on the "SEEK·TRACK" button.

Touch "Back", and the previous screen returns.

(g) If the player malfunctions

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

If "DISC CHECK" appears on the display: It indicates that the disc dirty, damaged, or it was inserted upside down. Clean the disc or insert it correctly. If a disc which is not playable is inserted, "DISC CHECK" will also appear on the screen. For appropriate discs for this player, see "Audio system operating hints" on page 151.

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

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

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

(h) DVD player and DVD video disc information

DVD VIDEO DISCS

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

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

Marks shown on DVD video discs:

NTSC	Indicates NTSC format of color TV.
2	Indicates the number of audio tracks.
2	Indicates the number of language subtitles.
3	Indicates the number of angles.
16:9 LB 4:3	Indicates the screen to be selected. Wide screen: 16:9 Standard: 4:3
ALL 1	Indicates a region code by which this video disc can be played. ALL: in all countries Number: region code

DVD VIDEO DISC GLOSSARY

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

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

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

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

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

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

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

Region codes: The region codes are provided on DVD players and DVD discs. If the DVD video disc does not have the same region code as the DVD player, you cannot play the disc on the DVD player. For region codes, see page 149.

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

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

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

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

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Audio system operating hints

NOTICE

To ensure correct audio system operation:

- ***Be careful not to spill beverages over the system.***
- ***Do not put anything other than a cassette tape or disc into the slot.***
- ***Do not put anything other than an appropriate disc into the DVD player.***
- ***The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the 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 CASSETTE PLAYER AND TAPES

For the best performance for your cassette player and tapes:

Clean the tape head and other parts regularly.

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

Use high−quality cassettes.

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

CARING FOR YOUR COMPACT DISC PLAYER, DVD 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 and DVD player from working. On hot days, use the air conditioning to cool the vehicle interior before you use the players.
- Bumpy roads or other vibrations may make your compact disc player and DVD player skip.
- If moisture gets into your compact disc player and DVD player, the players may not play even though they appear to be working. Remove the disc from the player and wait until it dries.

⚠ CAUTION

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

Compact disc player

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

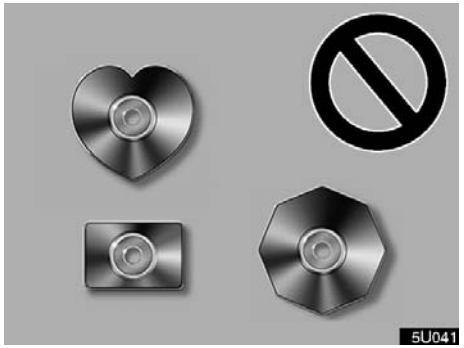
  SACDs
  dts−CDs
  Copy−protected CDs
  CD−Rs (CD−Recordable)
  CD−RWs (CD−Re−writable)
  CD−ROMs

Audio CDs	COMPACT disc DIGITAL AUDIO, COMPACT disc DIGITAL AUDIO TEXT, dts
DVD video discs	DVD VIDEO, DVD VIDEO
DVD audio discs	DVD AUDIO
Video CDs	VIDEO CD, COMPACT disc DIGITAL VIDEO

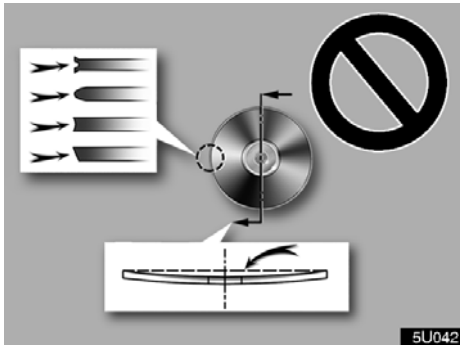
DVD player

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

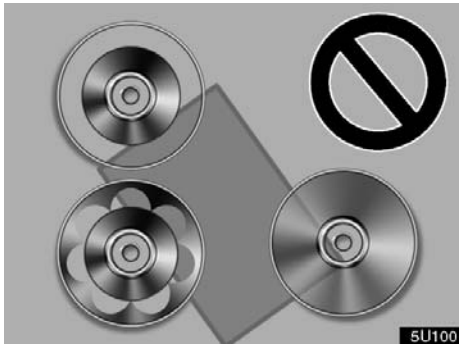
  SACDs
  Copy−protected CDs
  CD−Rs (CD−Recordable)
  CD−RWs (CD−Re−writable)
  CD−ROMs
  DVD−Rs
  DVD+Rs
  DVD−RWs
  DVD+RWs
  DVD−ROMs
  DVD−RAMs



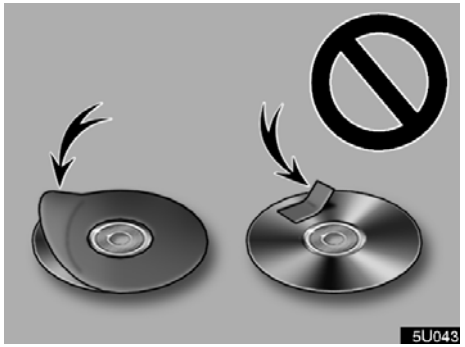
Special shaped discs



Low quality discs



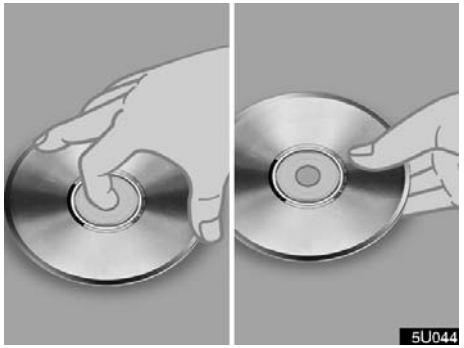
Transparent/translucent discs



Labeled discs

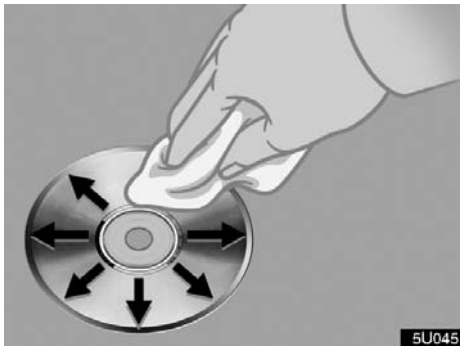
NOTICE

Do not use special shaped, transparent/ translucent, low quality or labeled discs such as those shown in the illustrations. The use of such discs may damage the player or changer, or it may be impossible to eject the disc.



▶ **Correct** ▶ **Wrong**

- Handle 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, scratches, 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 players when you are not using them. Store them in their plastic cases away from moisture, heat, and direct sunlight.



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

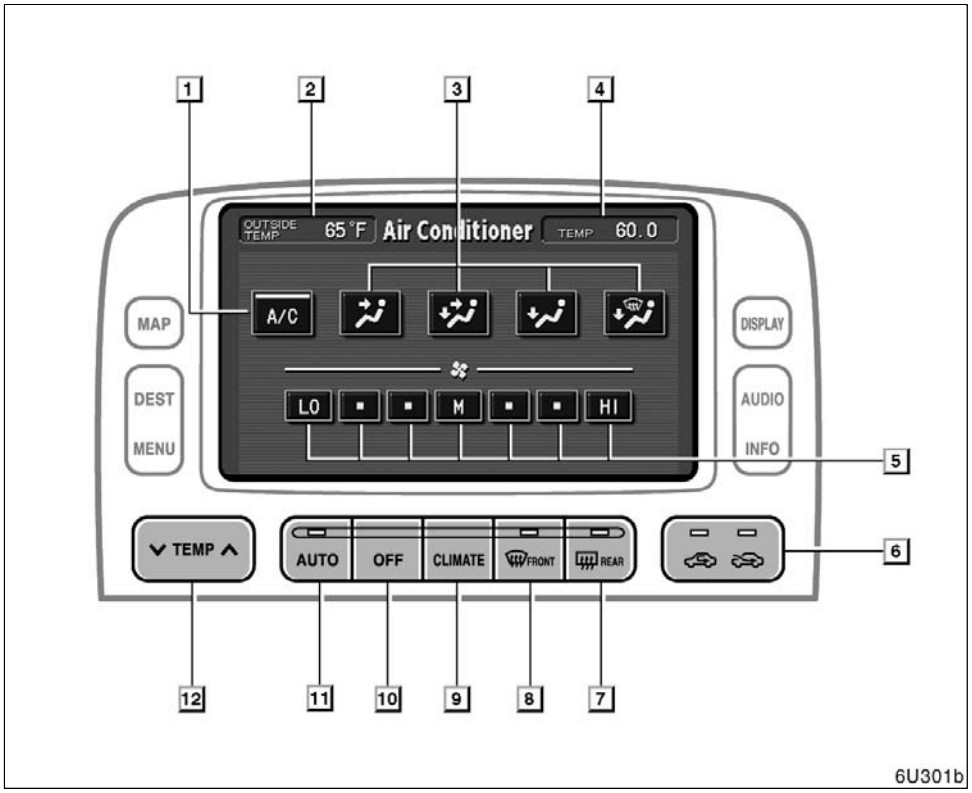
SECTION VI

AIR CONDITIONING

Air conditioning

Automatic air conditioning controls 156

Automatic air conditioning controls



Page

1 **"A/C" switch 159**

2 **Outside temperature display (in degrees Fahrenheit or Centigrade) 162**

3 **Air flow control switch 158**

4 **Temperature display (in degrees Fahrenheit or Centigrade) 161**

5 **Fan speed control switch 158**

6 **Air intake selector button 159**

7 **For information about the "Rear window defogger", please refer to the *Owner's Manual*.**

8 **Windshield air flow button 161**

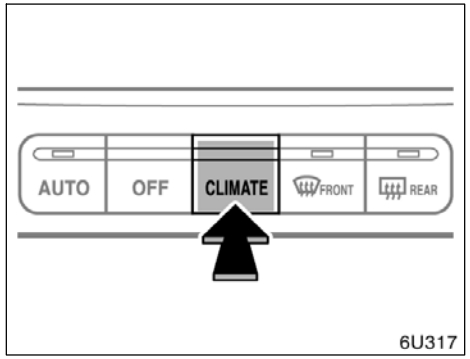
9 **Air conditioning operation screen display ("CLIMATE") button 157**

10 **"OFF" button 158**

11 **"AUTO" button 160**

12 **"TEMP" button 161**

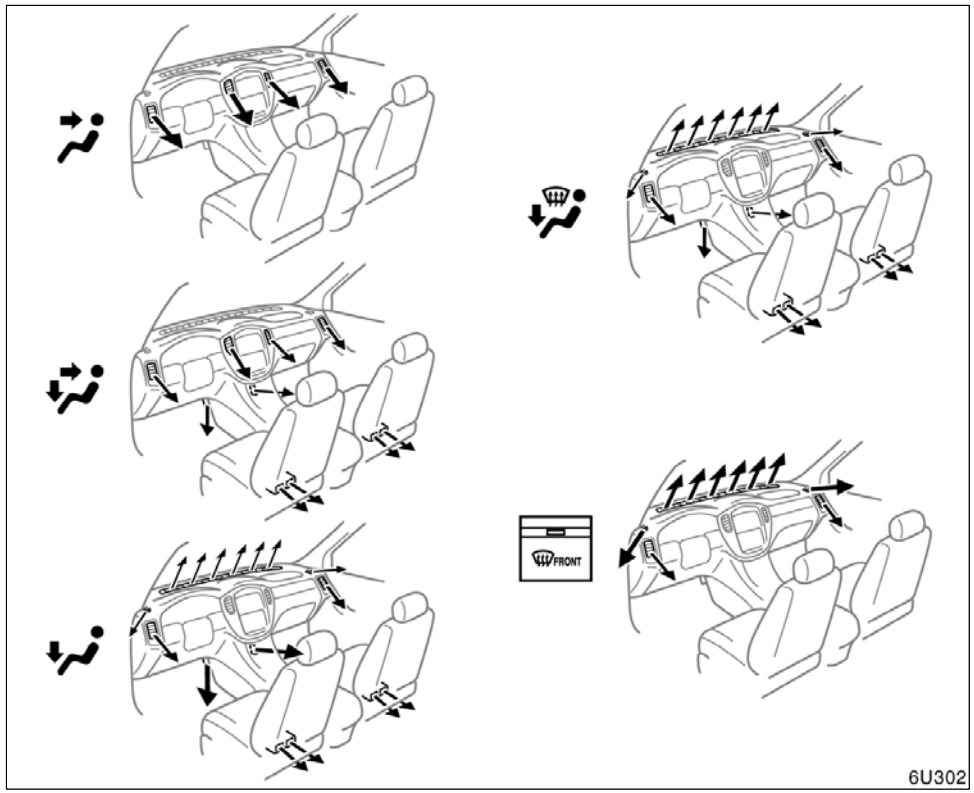
— “CLIMATE” control



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

The ignition key must be in the “ON” position.

NOTICE
To prevent the 12 volt battery from being discharged, do not leave the air conditioning on longer than necessary when the hybrid system is off.



Air flow selection

— Manual control

SETTING OPERATION

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

(a) Air flow selection

The outlets from which air is delivered can be selected manually by touching the switch.

The function of each mode is as follows:

1 **Panel —** Air flows mainly from the instrument panel vents.

2 **Bi−level —** Air flows from both the floor vents, instrument panel vents.

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

3 **Floor —** Air flows mainly from the floor vents.

4 **Floor/windshield —** Air flows mainly from the floor vents, windshield vents.

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

The selected mode is highlighted in green.

(b) Fan speed control

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

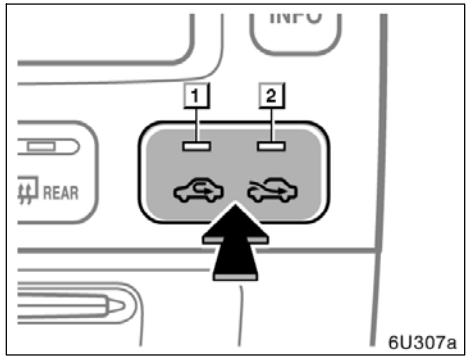
The fan speed can be set to your desired speed by touching the appropriate air flow control switch.

The higher the fan speed is, the more air is delivered.

Pushing the “OFF” button turns off the fan.

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

The selected mode is highlighted in green.



(c) Air intake selector

1 **RECIRCULATED —** Recirculates the air inside the vehicle.

2 **FRESH —** Draws outside air into the system.

Each time you push the air intake control button.

The mode changes in order from the RECIRCULATED mode to the FRESH mode, then back to the RECIRCULATED mode.

Each indicator light shows which mode is now selected.

If quick circulation of cooled air is desired, push the air intake selector button for the RECIRCULATED mode.

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

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

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

When the engine coolant temperature or electric compressor inverter temperature becomes extremely high, the RECIRCULATED mode is automatically selected. In this case, it is not possible to select to the FRESH mode if you push the air intake control button. This is not a malfunction. When the engine coolant temperature or inverter temperature becomes low, the air intake mode returns to the mode previously used.

(d) On−off of the air conditioning

Touch the “A/C” switch.

To turn the air conditioning on and touch it again to turn the air conditioning off.

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

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

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

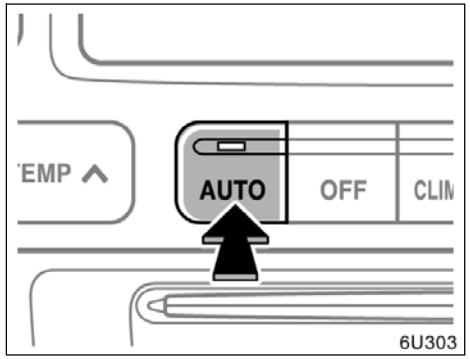
If the engine coolant temperature becomes extremely high, the air conditioning may shut off automatically to resolve emergency situation for engine cooling. This is not a malfunction. When the engine coolant temperature is lowered, the air conditioning comes on automatically.

— Automatic control

SETTING OPERATION

The automatic air conditioning automatically maintains the set temperature.

In the automatic operation mode, the air conditioning selects the most suitable fan speed, air flow, air intake and on–off the air conditioning according to the temperature.



(a) "AUTO" button

Push the "AUTO" button.

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

You may use manual controls if you want to select your own settings.

INFORMATION

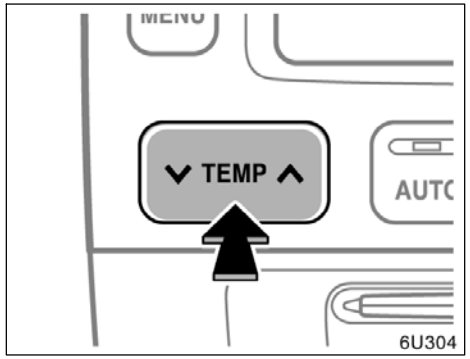
- ***This automatic control has additional function as described below, when the "AUTO" button is pushed.***

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

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

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

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



(b) Climate control

To increase the interior temperature, press the "∧" side, to decrease it, press the "∨" side.

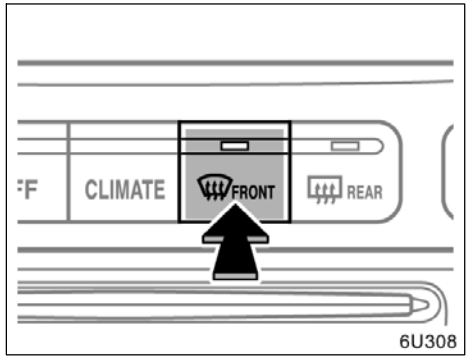
Use the "TEMP" button to set the desired vehicle interior temperature.

The "TEMP" selector button is used to set the desired interior temperature.

If quick heating or cooling is desired —

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

— Windshield defogging and defrosting



When this button is pressed, air flows mainly from the windshield vents and the FRESH mode is automatically set. This setting clears the front view more quickly.

It is not possible to select the RECIRCULATED mode in this position if you push the air intake control button.

To remove interior fog on the windshield —

Push the windshield air flow button.

To remove frost or exterior fog on the windshield —

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

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

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

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

⚠ CAUTION

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

— Outside temperature display

Outside temperature is displayed on the screen.

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

— Operating tips

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

Heating

For best results, set controls to:

For automatic operation —

Push in the "AUTO" button.
Temperature — To the desired temperature
Air intake — FRESH (outside air)
Air conditioning — OFF

For manual operation —

Fan speed — To the desired fan speed
Temperature — Towards high temperature
Air intake — FRESH (outside air)
Air flow — FLOOR
Air conditioning — OFF

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

Air conditioning

For best results, set controls to:

For automatic operation —

Push in the "AUTO" button.
Temperature — To the desired temperature
Air intake — FRESH (outside air)
Air conditioning — ON

For manual operation —

Fan speed — To the desired fan speed
Temperature — Towards low temperature
Air intake — FRESH (outside air)
Air flow — PANEL
Air conditioning —ON

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

Ventilation

For best results, set controls to:

For automatic operation —

Push in the "AUTO" button.
Temperature — Towards low temperature
Air intake — FRESH (outside air)
Air conditioning — OFF

For manual operation —

Fan speed — To the desired fan speed
Temperature — Towards low temperature
Air intake — FRESH (outside air)
Air flow — PANEL
Air conditioning — OFF

Defogging and defrosting

— The inside of the windshield

For best results, set controls to:

For automatic operation —

Temperature — Towards high temperature to heat;
low temperature to cool
Air intake — FRESH (outside air)
Air flow — WINDSHIELD

For manual operation —

Fan speed — To the desired fan speed
Temperature — Towards high temperature to heat;
low temperature to cool
Air intake — FRESH (outside air)
Air flow — WINDSHIELD

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

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

This button allows the air intake to select FRESH mode automatically. This is to clean up the front view more quickly. It is not possible to select the RECIRCULATED mode in this position if you push the air intake control button.

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

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

— The outside of the windshield

For best results, set controls to:

For automatic operation —

Temperature — Towards high temperature
Air intake — FRESH (outside air)
Air flow — WINDSHIELD

For manual operation —

Fan speed — To the desired fan speed
Temperature — Towards high temperature
Air intake — FRESH (outside air)
Air flow — WINDSHIELD

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

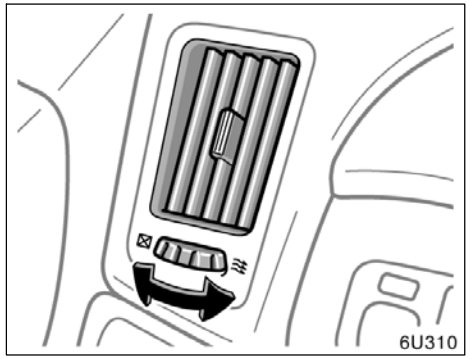
Pushing this button once again returns the air flow mode to the last one used.

This button allows the air intake to select FRESH mode automatically. This is to clean up the front view more quickly. It is not possible to select the RECIRCULATED mode in this position if you push the air intake control button.

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

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

— Side vents

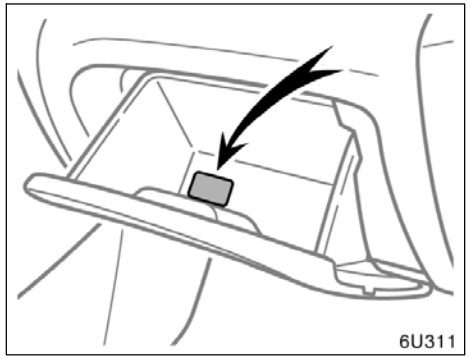


If air flow control is not satisfactory, check the side vents. The side vents may be opened or closed as shown.

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

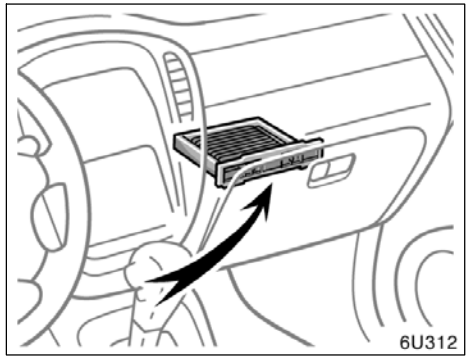
If air flow from the side vents is not satisfactory, air flow direction can be changed manually by adjusting the vents fin direction or the vents may be closed.

— Checking and replacing the air conditioning filter



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

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

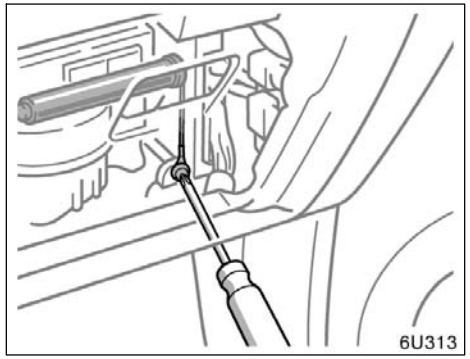


The air conditioning filter is behind the glove box.

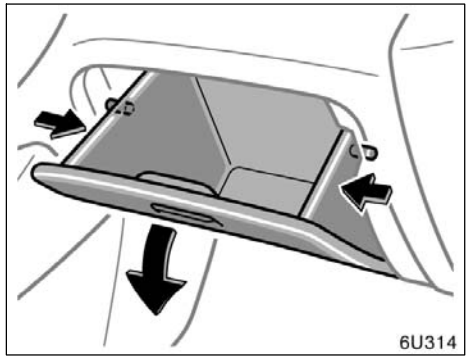
The air conditioning filter may clog after long use. The filter may need to be replaced if the air flow of the air conditioner and heater experiences extreme reductions in operating efficiency, or if the windows become to fog up easily.

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

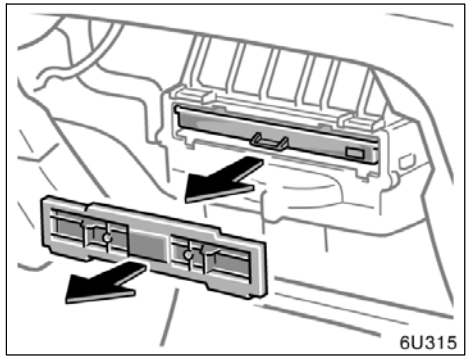
To maintain the air conditioning efficiency, inspect and replace the air conditioning filter according to the maintenance schedule. In dusty areas or areas with heavy traffic flow, such as inner city or desert areas, early replacement may be required. (For scheduled maintenance information, please refer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



1. Remove the clip with a Phillips−head screwdriver.

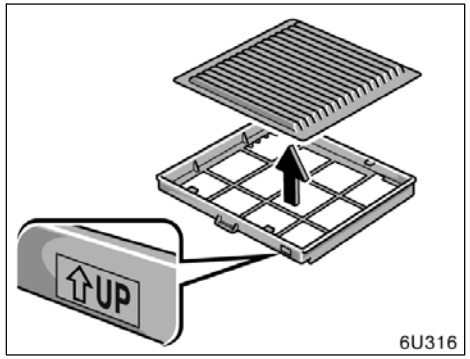


2. Open the glove box and push each side of the glove box to disconnect the claws.



3. Pull the filter cover toward you and remove it.

4. Remove the filter case toward you.



5. Remove the filter from the filter case.

6. Inspect the filter on the surface.

If it is dirty, it should be replaced.

INFORMATION
The air filter should be installed properly in position. The use of air conditioning with the air filter removed may cause deteriorated dustproof performance and then affect air conditioning performance.