SECTION 1

BASIC FUNCTIONS

Basic information before operation

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Initial screen

When the “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode, the initial screen will be displayed and the system will begin operating.

⚠ CAUTION

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

After a few seconds, the “CAUTION” screen will be displayed.

After about 5 seconds, the “CAUTION” screen automatically switches to the map screen. When the **“MAP/VOICE”** button is also pushed, the map screen is displayed.

While the “CAUTION” screen is displayed, the **“DEST”** or **“MENU”** button cannot be operated. And if the **“Language”**, **“Calendar”** or **“Maintenance”** buttons on the “Information” screen are touched, the screen will change back to “CAUTION” screen and then change to the map screen in about 5 seconds later or if the **“MAP/VOICE”** button is pushed.

- **Maintenance information**

This system informs about when to replace certain parts or components and shows dealer information (if registered) on the screen.

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 “Do Not Display This Message Again.”. This screen goes off if the screen is not operated for several seconds.

To prevent this information screen from being displayed again, touch **“Do Not Display This Message Again.”**.

To register “Maintenance information”, see “Maintenance information” on page 118.

- **Memo information**

This system notifies about 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 be displayed every time the system is turned on.

The memo of the current date can be viewed by touching "Memo". (See " — Editing a memo" on page 125.)

To disable this screen, touch "Do Not Display This Message Again.". This screen goes off if the screen is not operated for several seconds.

To prevent this information screen from being displayed again, touch **"Do Not Display This Message Again."**.

To register a memo information, see "Calendar with memo" on page 122.

Touch screen operation

This system is operated mainly by the touch−screen buttons on the screen.

To prevent damage to the screen, lightly touch buttons on the screen with the finger. When a button on the screen is touched, a beep sounds.

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

INFORMATION

- ***If the system does not respond to a touch on a touch−screen button, move the finger away from the screen and then touch it again.***
- ***Dimmed touch−screen buttons cannot be operated.***
- ***Wipe off fingerprints using a glass cleaning cloth. Do not use chemical cleaners to clean the touch screen.***
- ***The displayed image may become darker and moving images may be slightly distorted when the display is cold.***
- ***Under extremely cold conditions, the map may not be displayed and the data input by a user may be deleted. Also, the touch−screen buttons may be harder than usual to depress.***
- ***When you look at the screen through polarized material such as polarized sunglasses, the screen may be dark and hard to see. If so, look at the screen from different angles, adjust the screen settings on the "Display" screen, or take off your sunglasses.***

Inputting letters and numbers/List screen operation

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

INFORMATION

Keyboard layout can be changed. (See page 108.)

- **To input letters**

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

Enter letters by touching the alphabet keys directly.

: Touching this button erases one letter. By holding this button, letters will continue to be erased.

On certain letter entry screens, letters can be entered in upper or lower case.

: To enter in lower case.

: To enter in upper case.

- **To input numbers and symbols**

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

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

← : Touching this button erases one letter. By holding this button, letters will continue to be erased.

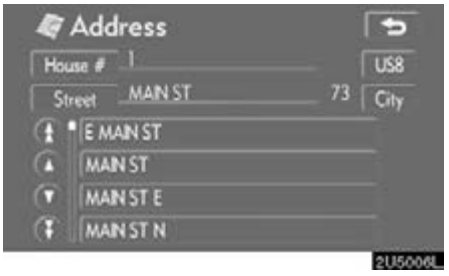
1/2 : Touching this button displays other symbols.

2/2

- **To display the list**

To search for an address or a name, touch **"List"**. 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 **"List"**.

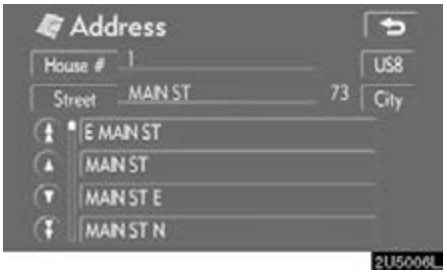


INFORMATION

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, use the appropriate button to scroll through the list.



To shift to the next or previous page.

To scroll up or down one item at a time.

This expresses a displayed screen position.

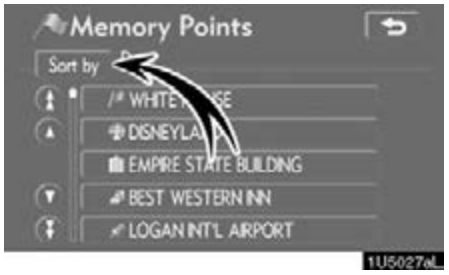
If appears to the right of the item name, the complete name is too long for the display. Touch to scroll to the end of the name.

Touch to scroll to the beginning of the name.

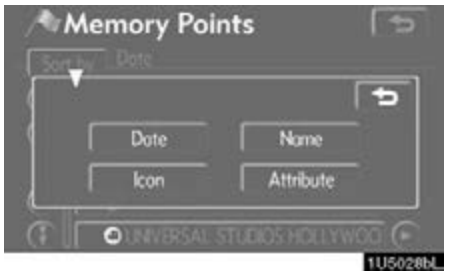
- **Sorting**

The order of a list displayed on the screen can be rearranged.

TYPE A



1. Touch “Sort by”.



2. Select the desired sorting criteria.

Sorting criteria are as follows:

“Distance”: To sort in the order of distance from your current location.

“Date”: To sort in the order of the date.

“Category”: To sort in the order of the category.

“Icon”: To sort in the order of the icons.

“Name”: To sort in order by name.

“Attribute”: To sort in order by attribute.

TYPE B

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

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

Function help

Explanations for the functions of the "Destination", "Setup" and "Menu" screens can be viewed.

Touch .

: To view the previous page.

: To view the next page.

: To return to the previous screen.

Map screen operation — — 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 (1) appears in the center or bottom center of the map screen.

A street name will appear on the bottom of the screen, depending on the scale of the map (2).

You can return to this map screen that shows your current position at any time from any screen by pushing the **"MAP/ VOICE"** button.

While driving, the current vehicle position mark is fixed on the screen and the map moves.

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

INFORMATION

- ***After 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 115.***

— Screen scroll operation (one−touch scroll)

When any point on the map is touched, that point moves to the center of the screen and is shown by the cursor mark (1).

Use the scroll feature to move the desired point to the center of the screen for looking at a point on the map that is different from the current position of the vehicle.

If the finger is continuously held on the screen, the map will continue scrolling in that direction until the finger is removed.

A street name, city name, etc. of the touched point will be shown, depending on the scale of the map (2). Distance from the current position to ⌖ will also be shown (3).

After the screen is scrolled, the map remains centered at the selected location until another function is activated. The current vehicle position mark will continue to move along your actual route and may move off the screen. When the **"MAP/ VOICE"** button is pushed, the current vehicle position mark returns to the center of the screen and the map moves as the vehicle proceeds along the designated route.

INFORMATION

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

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

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

Touch “Enter ⊙”.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

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

Memory point registration enables easy access to a specific point.

Touch “Mark”.

When you touch **“Mark”**, 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 “ — Editing memory points” on page 94.

Up to 106 memory points can be registered. If there is an 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."** are displayed on the top of the screen.

Touch "Info.".

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

If **"Enter ⊙"** is touched, the position of the cursor is set as a destination.

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

"Add to ⊙": To add a destination.

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

To register this POI as a memory point, touch **"Mark"**. (See page 93.)

If is touched, the registered telephone number can be called.

INFORMATION
The desired Point of Interest can be displayed on the map screen. (See " — Display POI icons" on page 78.)

MEMORY POINT INFORMATION

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

Touch "Info.".

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

If **"Enter ⊙"** is touched, the position of the cursor is set as a destination.

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

"Add to ⊙": To add a destination.

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

To edit a memory point, touch **"Edit"**. (See " — Editing memory points" on page 94.)

To delete a memory point, touch **"Delete"**.

If is touched, the registered telephone number can be called.

DESTINATION INFORMATION

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

Touch "Info.".

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

To delete a destination, touch **"Delete"**.

If is touched, the registered telephone number can be called.

— Switching the screens

Any one of the screen configurations can be selected .

1. Touch this button to display the following screen.

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

Depending on the conditions, certain screen configuration buttons cannot be selected.

: To display the single map screen. (See page 33.)

: To display the dual map screen. (See page 33.)

: To display the compass mode screen. (See page 34.)

: To display the turn list screen. (See page 68.)

: To display the arrow screen. (See page 68.)

: To display the freeway information screen. (See page 67.)

: To display the intersection guidance screen or the guidance screen on the freeway. (See page 67.)

- **Screen configurations**

SINGLE MAP

This is a regular map screen.

While on a different screen, touching will display the single map screen.

The screen shows the single map.

DUAL MAP

A map can be displayed split in two.

While on a different screen, touching will display the dual map screen.

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

The right side map can be edited.

Touch the right side map to display the edit screen.

This screen can perform the following procedures:

1. Changing the map scale
2. Displaying the POI icon
3. Changing the orientation of the map

Touch “OK” when you complete editing.

The screen returns to the dual map screen.

COMPASS MODE

Current vehicle position is indicated with a compass, not with a map.

While on a different screen, touching will display the compass mode screen.

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 travels out of the coverage area, the guidance screen changes to the compass mode screen.

— Map scale

Touch or 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 range is 150 feet (50 m) to 250 miles (400 km).

Touch or until the scale bar changes. By continuing to touch the button, the scale bar changes continuously.

The scale of the map display can be changed by touching the scale bar directly. It is not available while 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. In areas where the foot print map is available the map scale changes from to when at the minimum range.

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**

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

To display the foot print map, touch .

To delete the foot print map display, touch .

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 “Info.” while the foot print map is displayed.

If the map is displayed by a split screen, the map will change into a single map display.

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

3. Touch “Building Info.”.

Details of POIs in some buildings may be displayed.

For detailed POI information, touch the building name. You can see details of the selected POIs.

— Orientation of the map

The orientation of the map can be changed from North−up to Heading−up by touching the orientation symbol at the top left of the screen.

Touch or .

▶ North−up screen

▶ Heading−up 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.

SECTION 2

DESTINATION SEARCH

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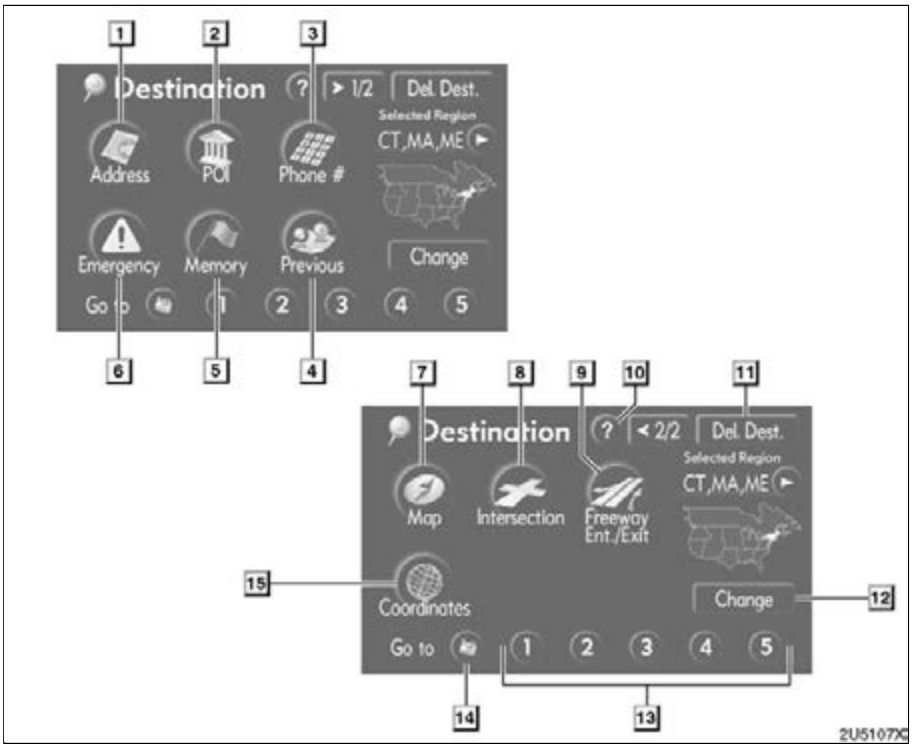
*: Point of Interest

Quick reference (“Destination” screen)

The “Destination” screen allows you to search for a destination. To display the “Destination” screen, push the **“DEST”** button.



1 “Address”

A house number and the street address can be input by using the input keys. 43

2 “POI”

Select one of the many POIs (Points of Interest) that have already been stored in the system’s database. 47

3 “Phone #”

A destination can be entered by the telephone number. 54

4 “Previous”

A destination can be selected from any of the last 100 previously set destinations and from the previous starting point. 55

5 “Memory”

The location can be selected from the registered “Memory points”. (To register memory points, see “ — Registering memory points” on page 93.) 55

6 “Emergency”

One of the four categories of emergency service points that are already stored in the system’s database can be selected. 54

7 “Map”

A destination can be selected simply by touching the location on the displayed map. 56

8 **“Intersection”**

The names of two intersecting streets can be entered. This is helpful if only the general vicinity, not the specific address, is known. 57

9 **“Freeway Ent./Exit”**

The name of a freeway (interstate) entrance or exit can be entered. 58

10 **“?”**

Function help for the “Destination” screen can be viewed on this screen. 27

11 **“Del. Dest.”**

Set destinations can be deleted. 59

12 **“Change”**

To change the selected region to search, touch this button. 40

13 **Quick access touch−screen buttons**

One of 5 preset destinations can be selected by touching the screen directly. If a quick access point has not been registered, a message will be displayed and will automatically switch to the setting screen. To use this function, it is necessary to set the “Quick Access” for each memory point. (To register a “Quick Access”, see “ — Editing memory points” on page 94.) 42

14 **Home touch−screen button**

A personal home address can be selected without entering the address each time. If home has not been registered, a message will be displayed and will automatically switch to the setting screen. To use this function, it is necessary to set “Home” for the memory point. (To register “Home”, see “ — Registering home” on page 100.) 42

15 **“Coordinates”**

A destination can be set by using latitude and longitude as coordinates. 59

Destination search —

Push the “DEST” button.

You can use one of 12 different methods to search your destination. (See pages 42 through 59.)

INFORMATION
When searching the destination, the response to the touch−screen button may be slow.

— Selecting the region to search

SELECTING THE REGION TO SEARCH ON THE DESTINATION SCREEN

1. Push the “DEST” button.

2. Touch “Change” on the “Destination” screen to display a map of the United States and Canada divided into 12 regions. (For map database information and updates, see “Map database information and updates” on page 296.)

3. Touch one of “US1” through “CAN” to select a region to search.

4. Touch “OK” and the “Destination” screen returns.

SELECTING THE REGION TO SEARCH ON THE INPUT SCREEN

Change the selected region in order to set a destination from a different area by using “Address”, “POI”, “Freeway Ent./Exit” or “Intersection”.

1. Touch the region to search button like “US8” on the input screen to display a map of the United States and Canada divided into 12 regions. (For map database information and updates, see “Map database information and updates” on page 296.)

2. Touch one of “US1” through “CAN” to select a region to search.

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

U.S.A.	
Button	States included in the search region
“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 Pennsylvania Virginia West Virginia
“US10”	Florida Georgia North Carolina South Carolina
“HI”	Hawaii

Canada	
Button	Provinces and regions included in the search region
“CAN”	All provinces and regions in Canada included in this button.

— Destination search by Home

1. Push the “DEST” button.

2. Touch the home touch−screen button on the “Destination” screen.

The screen changes and displays the map location for home and the route preference. (See “Starting route guidance” on page 60.)

If home has not been registered, a message will be displayed and will automatically switch to the setting screen.

To use this function, it is necessary to set “Home” for the memory point. (To register “Home”, see page 12.)

INFORMATION
Guidance starts from the current vehicle position to your home if “Enter” is touched even while driving.

— Destination search by Quick access

1. Push the “DEST” button.

2. Touch any of the quick access touch−screen buttons on the “Destination” screen.

The screen changes and displays the map location of the quick access point and the route preference. (See “Starting route guidance” on page 60.)

If a quick access point has not been registered, a message will be displayed and will automatically switch to the setting screen.

To use this function, it is necessary to set “Quick Access” for each memory point. (To register “Quick Access”, see page 14.)

INFORMATION
Guidance starts from the current vehicle position to the quick access point if “Enter” is touched even while driving.

— Destination search by “Address”

There are 2 ways to input a destination by address.

1. Push the “DEST” button.

2. Touch “Address” on the “Destination” screen.

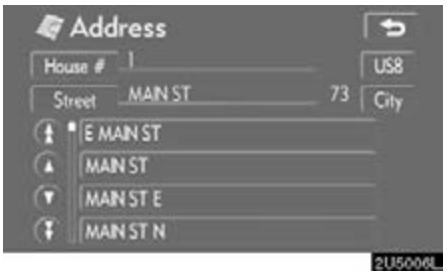
(a) Inputting a house number and a street name

1. Touch numbers directly on the screen to input a house number.

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

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

2. Input the street name.



3. When the desired street name is found, touch the corresponding button.

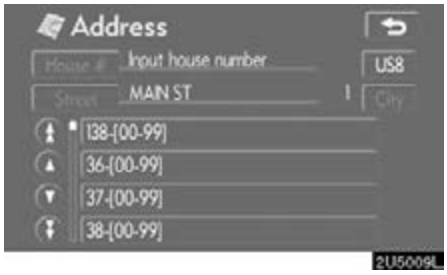
The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

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

4. Select or enter the desired city.

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

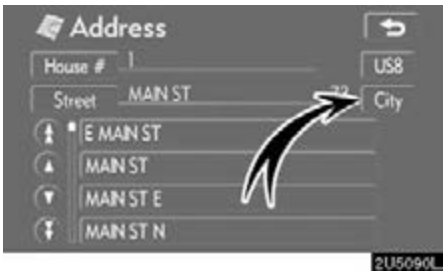
If inputting a street name first, the screen changes. The house number can then be input.



If the above screen appears, an address range on the screen can be selected.

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

(b) Selecting a city to search



Touch “City”.

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

1. Input the city name
2. Select from the nearest 5 cities
3. Select from the last 5 cities

INFORMATION
• ***To change the selected region, touch “Select Region”.***
• ***To cancel the city setting, touch “Any City”.***

INPUTTING THE CITY NAME

1. Touch “Input City Name”.

2. Input a city name.

3. Touch the button of the desired city name from the displayed list.

“Map”: To display the selected destination and the route preference. (See “Starting route guidance” on page 60.)

The current screen changes to the screen for inputting a house number or a street name. (See “(a) Inputting a house number and a street name” on page 43.)

SELECTING FROM THE NEAREST 5 CITIES

1. Touch “Nearest 5 Cities”.

2. Touch the button 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 “(a) Inputting a house number and a street name” on page 43.)

SELECTING FROM THE LAST 5 CITIES

Touch the button of the desired city name.

If the navigation has never been used, 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 “(a) Inputting a house number and a street name” on page 43.)

— Destination search by “POI”

There are two ways to search by POI (Points of Interest).
(a) Search by name
(b) Search by category

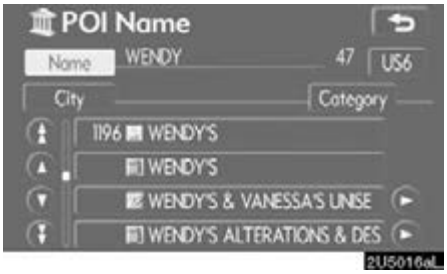
1. Push the “DEST” button.

2. Touch “POI” on the “Destination” screen.

3. Touch the button for the desired method.

(a) Search by “Name”

1. Input the name of the Point of Interest.



2. Touch the button of the desired destination.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

When inputting the name of a specific Point of Interest, and there are two or more sites with the same name, the list screen is displayed.

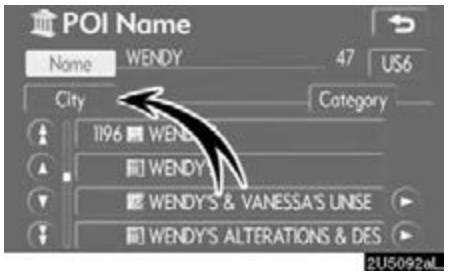
Touch the button of the desired destination.

If the same name exists in more than one city, a search can be performed more easily with **"City"** and **"Category"**. (See "Selecting a city to search" on page 48 and "Selecting from the categories" on page 50.)

INFORMATION

The desired Point of Interest can be displayed on the map screen. (See " — Display POI icons" on page 78.)

- **Selecting a city to search**



Touch "City".

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

1. Input the city name
2. Select from the nearest 5 cities
3. Select from the last 5 cities

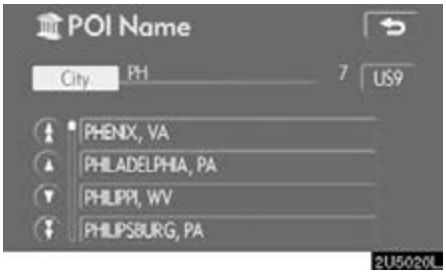
INFORMATION

- ***To change the selected region, touch "Select Region".***
- ***To cancel the city setting, touch "Any City".***

INPUTTING THE CITY NAME

1. Touch “Input City Name”.

2. Input the city name.



3. Touch the button of the desired city name from the displayed list.

SELECTING FROM THE NEAREST 5 CITIES

1. Touch “Nearest 5 Cities”.

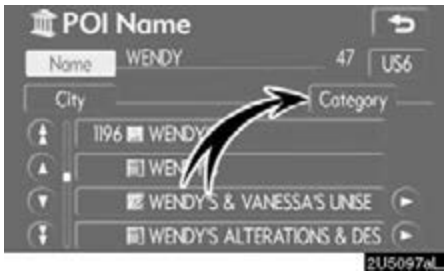
2. Touch the button of the desired city name.

SELECTING FROM THE LAST 5 CITIES

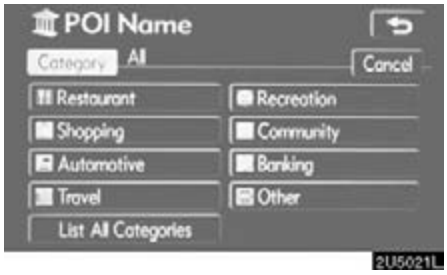
Touch the button of the desired city name.

If the navigation has never been used, no cities will be displayed on the screen.

- **Selecting from the categories**

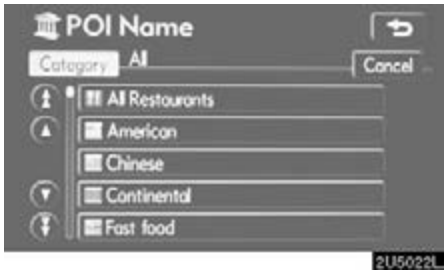


Touch "Category".



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 **"List All Categories"** to list all POI categories.



When the desired category is touched, the POI name list screen is displayed.

(b) Search by “Category”

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

Set the search point by the following method:

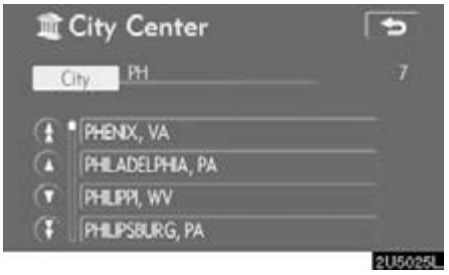
1. Input the city center
2. Set the current position as the search point
3. Set the search point via the map screen
4. Set the search point from any destination

It is possible to display the names of POIs located within approximately 20 miles (32 km) from the selected search point.

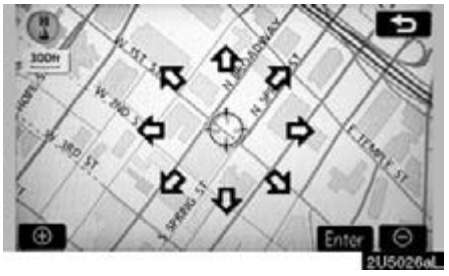
INPUTTING THE CITY CENTER

1. Touch “Input City Center”.

2. Input the city center name.



3. Touch the button of the desired city center name.



When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

4. Touch “Enter”.

The search point is set and the “POI Category” screen will be displayed.

SETTING THE CURRENT POSITION AS THE SEARCH POINT

Touch “Current Position”.

The search point is set at the current position, and the “POI Category” screen will be displayed.

SETTING THE SEARCH POINT VIA THE MAP SCREEN

1. Touch “Map”.

When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

2. Touch “Enter”.

The search point is set and the “POI Category” screen will be displayed.

SETTING THE SEARCH POINT FROM DESTINATIONS

1. Touch the destination buttons at the bottom of the screen.

When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

2. Touch “Enter”.

The search point is set and the “POI Category” screen will be displayed.

- **To search POIs near the search point**

When the search point is set, the “POI Category” screen will be displayed.

Select the desired POI categories.

“List”: If the desired POI categories have already been selected, a list of POI will be displayed from among the selected categories.

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

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

Select the desired POI categories from the list and touch “OK”.

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

“Select Category”: To return to the POI category selection screen.

“Show List”: To display the list of POIs in the selected categories.

By touching the button of the desired item, the screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

The direction arrows of POIs are displayed only when the current position is set as the search point.

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

— Destination search by “Phone #”

1. Push the “DEST” button.

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

3. Input a telephone number.

4. After inputting a telephone number, touch “OK”.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

If there is more than one site having the same number, the following screen will be displayed.

INFORMATION

- ***If there is no match for the telephone number inputted, a list of identical numbers 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 99.)***

— Destination search by “Emergency”

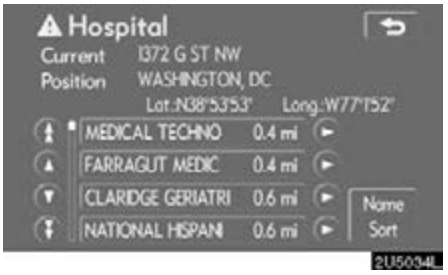
1. Push the “DEST” button.

2. Touching “Emergency” on the “Destination” screen.

The display changes to a screen to select police stations, dealers, hospitals or fire stations. While driving, only nearby police stations, dealers, hospitals, or fire stations are shown. The current position is shown with an address, and the latitude and the longitude at the top of the screen.

3. Touch the desired emergency category.

The selected emergency category list is displayed.



4. Touch the button of the desired destination.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

INFORMATION

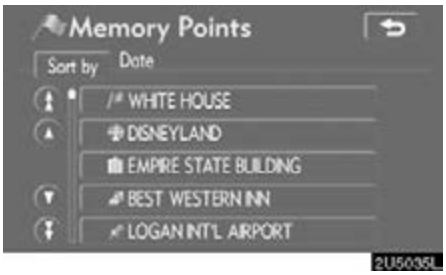
The navigation system does not guide in areas where route guidance is unavailable. (See page 295.)

— Destination search by “Memory”

1. Push the “DEST” button.

2. Touch “Memory” on the “Destination” screen.

A list of registered memory points is displayed. (To register or edit memory points, see “My places” on page 92.)



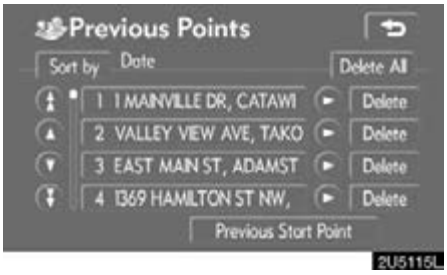
3. Touch the button of your desired memory point.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

— Destination search by “Previous”

1. Push the “DEST” button.

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



The previous starting point and up to 100 previously set destinations are displayed on the screen.

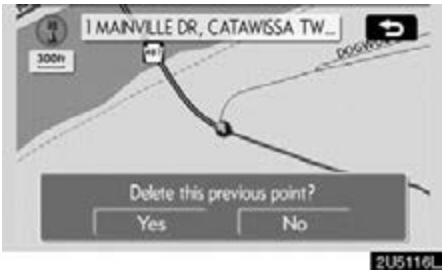
3. Touch the button of the desired destination.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

- **Deleting previous points**

1. Touch “Delete” for the previous point button you want to delete.

“Delete All”: To delete all previous points in the system.



2. To delete the point, touch “Yes”. To cancel the deletion, touch “No”.

INFORMATION
The list of previous destinations can also be deleted by touching “Delete Previous Points” on the “My Places” screen when the vehicle is stopped. (See “ — Deleting previous points” on page 106.)

— Destination search by “Map”

1. Push the “DEST” button.

2. Touch “Map” on the second page of 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 “Starting route guidance” on page 60.)

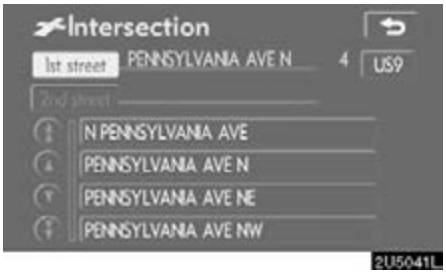
INFORMATION
Guidance starts if “Enter” is touched even while driving. However, the cursor cannot be moved.

— Destination search by “Intersection”

1. Push the “DEST” button.

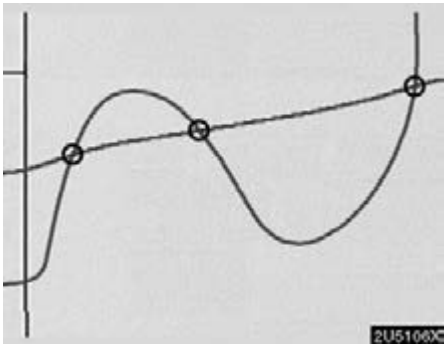
2. Touch “Intersection” on the second page of the “Destination” screen.

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



4. Touch the button 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 “Starting route guidance” on page 60.)



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 “Starting route guidance” on page 60.)

— Destination search by “Freeway Ent./Exit”

1. Push the “DEST” button.

2. To input a freeway entrance or exit, touch “Freeway Ent./Exit” on the second page of 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).

3. Select the desired freeway by touching the button.

4. Either a freeway “Entrance” or “Exit” can be selected.

5. Touch the button of the desired entrance or exit name.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

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

— Destination search by “Coordinates”

1. Push the “DEST” button.

2. Touch “Coordinates” on the second page of the “Destination” screen.

3. Input the latitude and the longitude.

4. When the input is finished, touch “OK”.

By touching the button of the desired point, the screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 60.)

— Deleting set destinations

A set destination can be deleted.

1. Push the “DEST” button.

2. Touch “Del. Dest.” on the “Destination” screen.

When more than one destination is set, a list will be displayed on the screen.

3. Touch the destination for deletion.

“Delete All”: To delete all destinations on the list.

A message appears to confirm the request to delete.

4. To delete the destination(s), touch “Yes”.

If **“Yes”** is touched, the data cannot be recovered.

If **“No”** is touched, the previous screen will return.

5. If more than one destination is set, touch "OK" after deleting the destinations.

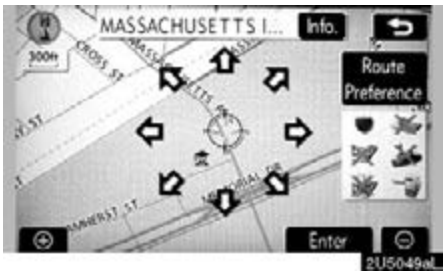
The system searches for the guidance route again, and displays the entire route.

INFORMATION

Set destinations can also be deleted by touching "Route". (See " — Deleting destinations" on page 73.)

Starting route guidance

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



1. When an arrow facing the desired point is touched, the map scrolls in that direction.

Releasing the finger from the arrow will stop the scrolling.

2. Touch "Enter".

The system starts route search and displays recommended routes.

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

"Add to ⊙": To add a destination.

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

"Route Preference": To change the route preference. (See page 62.)

"Info.": If this button is displayed on the top of the screen, touch it to view items such as name, address, and phone number.

1 **Current position**
2 **Destination point**
3 **Type of the route and the distance**
4 **Distance of the entire route**

3. To start guidance, touch “Guide”.

“3 Routes”: To select the desired route from three possible routes. (See page 62.)

“Route”: To change the route. (See pages 72 and 74.)

INFORMATION

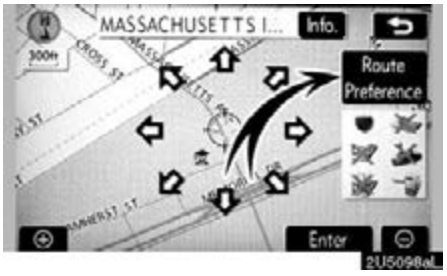
- ***Guidance can be suspended or resumed. (See “Suspending and resuming guidance” on page 88.)***
- ***If “Guide” is touched until a beep sounds, demo mode will start. Push the “MAP/VOICE” button to finish Demo mode.***
- ***The route for returning may not be the same as that for going.***
- ***The 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 miles (800 m) , the map scale changes to 0.5 miles (800 m) automatically. Set the destination again.***
- ***If a destination is entered, the road nearest to the point you selected is set as the destination.***

⚠ CAUTION

Be sure to obey traffic regulations and keep road conditions in mind while driving. If a traffic sign on the road has been changed, the route guidance may provide incorrect information.

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

ROUTE PREFERENCE



1. You can change route preference by touching “Route Preference”.

2. Select the desired route preference by touching the button.

When searching for a route, the system will avoid routes when the indicator is off.

3. After choosing the desired route preference, touch “OK”.

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

1. To select the desired route from three routes, touch “3 Routes”.

2. Touch “Quick1”, “Quick2” or “Short” to select the desired route.

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

“Quick2”: Alternative 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 the entire trip**
2. **Distance of the entire trip**
3. **Toll road**
4. **Freeway**
5. **Ferry**

SECTION 3

ROUTE GUIDANCE

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*: Point of Interest

Route guidance screen

During route guidance, various types of guidance screens can be displayed depending on conditions.

- **Screen layout**

1. **Distance to the next turn and the arrow indicating turning direction**
2. **Current street name**
3. **Distance and travel/arrival time to the destination**
4. **Current position**
5. **Guidance route**

INFORMATION

- ***If the vehicle goes off the guidance route, the route is searched again.***
- ***For some areas, the roads have not been completely digitized in our database. For this reason, the route guidance may select road that should not be traveled on.***
- ***When you arrive at your destination, the destination name will be displayed on the top of the screen. Touching "OFF" clears the display.***

- **During freeway driving**

During freeway driving, the freeway exit information screen will be displayed.

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

1. **Current position**
2. **Points of Interest that are close to a freeway exit**
3. **Exit number and junction name**
4. **Distance from the current position to the exit or junction**
5. **Current street name**

: To display the selected map of the exit vicinity.

: To scroll for farther junctions or exits.

: To scroll for closer junctions or exits.

: To scroll for the closest three junctions or exits.

- **When approaching a freeway exit or junction**

When the vehicle approaches an exit or junction, the guidance screen for the freeway will be displayed.

1 **Road/area name**
2 **Distance from the current position to the exit or junction**
3 **Current position**

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

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

- **When approaching an intersection**

When the vehicle approaches an intersection, the intersection guidance screen will be displayed.

1 **Next street name**
2 **Distance to the intersection**
3 **Current position**

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

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

- **Other screens**

TURN LIST SCREEN

On this screen, the list of turns on the guidance route can be viewed.

Touching during guidance displays the turn list.

1. **Next street name or destination name**
2. **Turn direction**
3. **Distance between turns**
4. **Current street name**

ARROW SCREEN

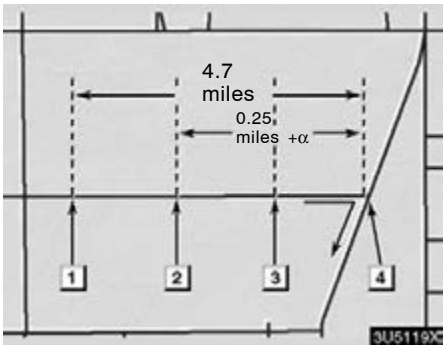
On this screen, information about next turns on the guidance route can be viewed.

Touching during guidance displays the arrow screen.

1. **Exit number, street name containing number or next street name**
2. **Turn direction**
3. **Distance to the next turn**
4. **Current street name**

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."

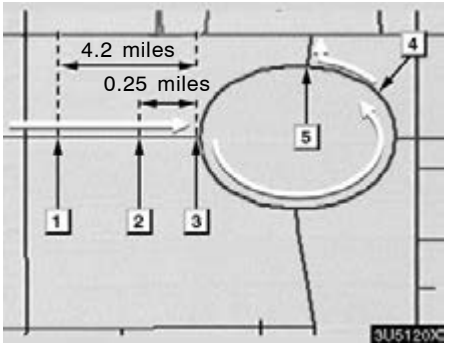
2 ♪ "In a quarter of a mile, right turn."

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.



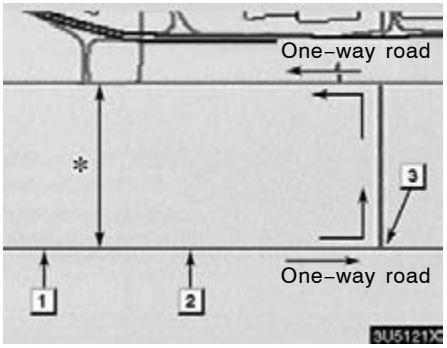
1 ♪ "Proceed about 4 miles to the traffic circle."

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)

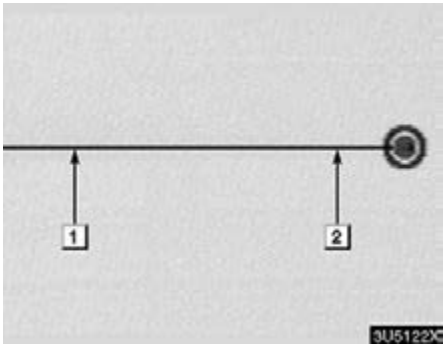


*: The system indicates a U–turn if the distance between two one–way roads (of opposite directions) is less than 50 feet (15 m) in residential areas or 164 feet (50 m) in non–residential areas.

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 the approach to the final destination.

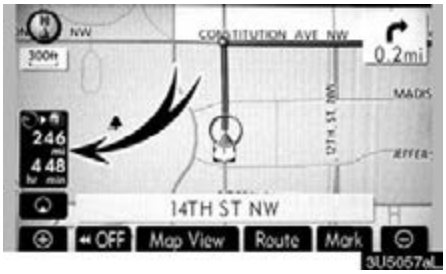
1 ♪ "Your destination is ahead."

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

INFORMATION

- ***If the system cannot determine the current vehicle position correctly (in cases of poor GPS signal reception), the voice guidance may be made early or delayed.***
- ***If you did not hear the voice guidance command, push the "MAP/VOICE" button to hear it again.***
- ***To adjust the voice guidance volume, see "Volume" on page 89.***

Distance and time to destination



When the vehicle is on the guidance route, the distance and the estimated travel/arrival time to the destination are displayed. When the vehicle is not on the guidance route, the distance 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/arrival time from the current position to each destination are displayed.

1. Touch this button to display the following screen.

2. Touch the number button to display the desired destination.

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

Estimated travel time is displayed.

Estimated arrival time is displayed.

To switch to estimated arrival time.

To switch to estimated travel time.

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 and arrival time is calculated based on the set vehicle speed information. (See page 107.) However, when the vehicle is not on the guidance route, the distance is the linear distance between the current position and the destination.

Setting and deleting destination — — Adding destinations

Adding destinations and searching again for the routes can be done.

1. Touch “Route”.

2. Touch “Add”.

3. Input an additional destination in the same way as the destination search. (See “Destination search” on page 39.)

4. Touch the desired “Add” to determine the arrival order of the additional destination.

— Reordering destinations

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

1. Touch “Route”.

2. Touch “Reorder”.

3. Select the destination in the order of arrival by touching the destination button.

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

Touching **“Undo”** will cancel each selected order number from the previously input number.

4. After selecting the destinations, touch “OK”.

The system searches for the guidance route again, and displays the entire route. Even if **“OK”** is not touched, the entire route is displayed automatically within a few seconds when the order is fixed.

— Deleting destinations

A set destination can be deleted.

1. Touch “Route”.

2. Touch “Delete”.

When more than one destination is set, a list will be displayed on the screen.

3. Touch the destination for deletion.

“Delete All”: To delete all destinations on the list.

A message appears to confirm the request to delete.

4. To delete the destination(s), touch “Yes”.

If **“Yes”** is touched, the data cannot be recovered.

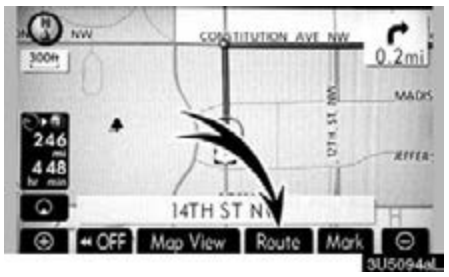
If **“No”** is touched, the previous screen will return.

5. If more than one destination is set, touch “OK” after deleting the destinations.

The system searches for the guidance route again, and displays the entire route.

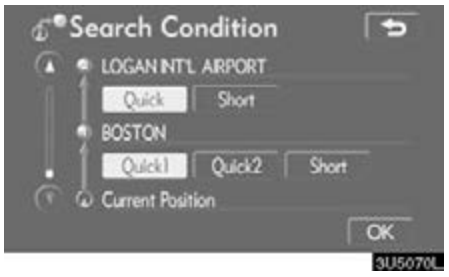
Setting route — — Search condition

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



1. Touch “Route”.

2. Touch “Search Condition”.



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

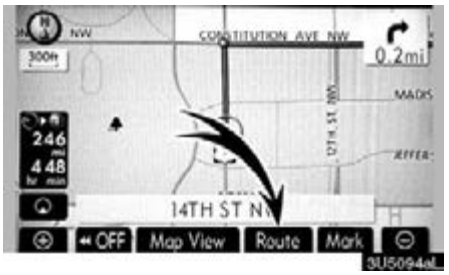
The entire route from the starting point to the destination is displayed.

“Guide”: To start guidance.

“Route”: To change a route. (See pages 72 and 74.)

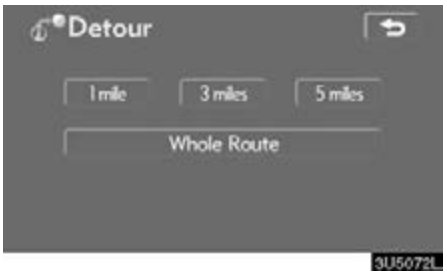
— Detour setting

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, or an accident, etc.



1. Touch “Route”.

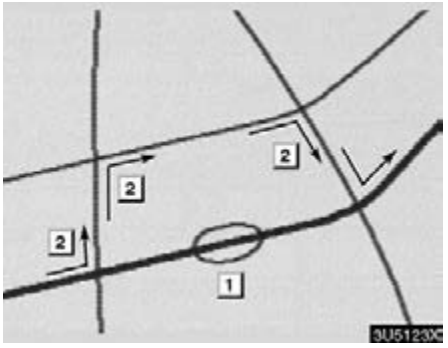
2. Touch “Detour”.



3. Select the button below to select the desired detour distance.

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

"Whole Route": By touching this button, the system will calculate an entire new route to the destination.



This picture shows an example of how the system would guide 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.***

— Route preference

A number of choices are provided on the conditions which the system uses to determine the route to the destination.

1. Touch “Route”.

2. Touch “Route Preference” to change the conditions that determine the route to the destination.

3. Select the desired route preference by touching the button.

When searching for a route, the system will avoid routes when the indicator is off.

4. After choosing the desired route preference, touch “OK”.

— Starting route from adjacent road

You can start the route guidance from the adjacent road.

(ex. When route guidance is set on the freeway, but the vehicle is driven parallel along the freeway.)

1. Touch “Route”.

2. Touch “Start from Adjacent Road”.

When there is no adjacent road, this button will not be displayed.

Map view —
— Display 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 “Map View”.

2. Touch “Display POI Icon” 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 110.)

- **Selecting POIs to be displayed**

Up to 5 categories of icons can be displayed on the screen.

Touch the desired Point of Interest category to display POI location symbols on the map screen.

By selecting the desired POI category and then touching **“OK”**, the selected POI icons are displayed on the map screen.

To turn off the Points of Interest icon on the map screen, touch **“Delete”**.

“Other POIs”: If the desired Point of Interest can not be found on the limited choice screen, touch this button.

“Local POI List”: When searching for the nearest Point of Interest, touch this button. Then choose one of the categories. The system will list the points within 20 miles (32 km). (See page 80.)

Touch “Other POI’s” on the “Display POI icons” screen.

When a Point of Interest category is selected from either the limited list or the complete list, the screen will display symbols of those locations on the map screen.

Select the desired POI categories.

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

By selecting the desired POI category and then touching **“OK”**, the selected POI icons are displayed on the map screen.

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

Select the desired POI categories from the list.

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

By selecting the desired POI category and then touching **“OK”**, the selected POI icons are displayed on the map screen.

To return to the POI category selection screen, touch **“More”**.

- **To display the local POI list**

Points of Interest that are within 20 miles (32 km) of the current position will be listed from among the selected categories.

1. Touch "Local POI List" on the "Display POI icons" screen.

2. Touch the button of the desired Point of Interest.

The selected Points of Interest are displayed on the map screen.

"On Route": When the indicator is illuminated by touching this button, 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 for route guidance.

1. Directly touch the Point of Interest icon that you want 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 the current position is displayed on the screen. The distance shown is measured as a straight line from the current vehicle position to the POI.

2. When the desired Point of Interest overlaps with the cursor, touch "Enter ⦿".

The screen changes and displays the map location of the selected destination and route preference. (See "Starting route guidance" on page 60.)

— Route overview

1. Touch “Map View”.

2. Touch “Route Overview”.

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

“Guide”: To start guidance.

“Route”: To change the route. (See pages 72 and 74.)

“Turn List”: The following screen displays the list of the roads up to the 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 names will be displayed in order from the starting point, along with the distance to the next turn.

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

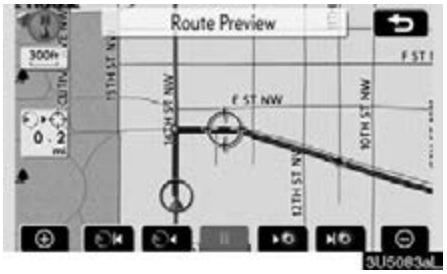
Touch “Map” on the “Turn List” screen.

The point which you choose is displayed on the map screen.

— Route preview

1. Touch “Map View”.

2. Touch “Route Preview”.



: 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.

— Route trace

It is possible to store the traveled route up to 124 miles (200 km) and retrace the route on the display.

INFORMATION

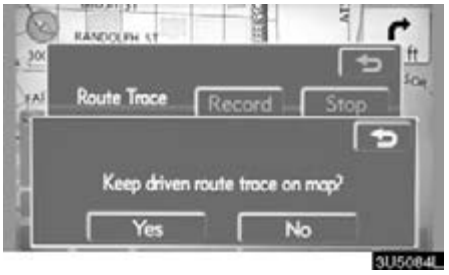
This feature is available on the map with more detailed map scale than 30 mile (50 km).

Touch “Map View”.

“Record”: To start recording the route trace.

“Stop”: To stop recording the route trace.

If you touch **“Stop”** to display the following screen.



Touching **“Yes”** stops recording and the route trace remains displayed on the screen.

Touching **“No”** stops recording and the route trace is erased.

SECTION 4

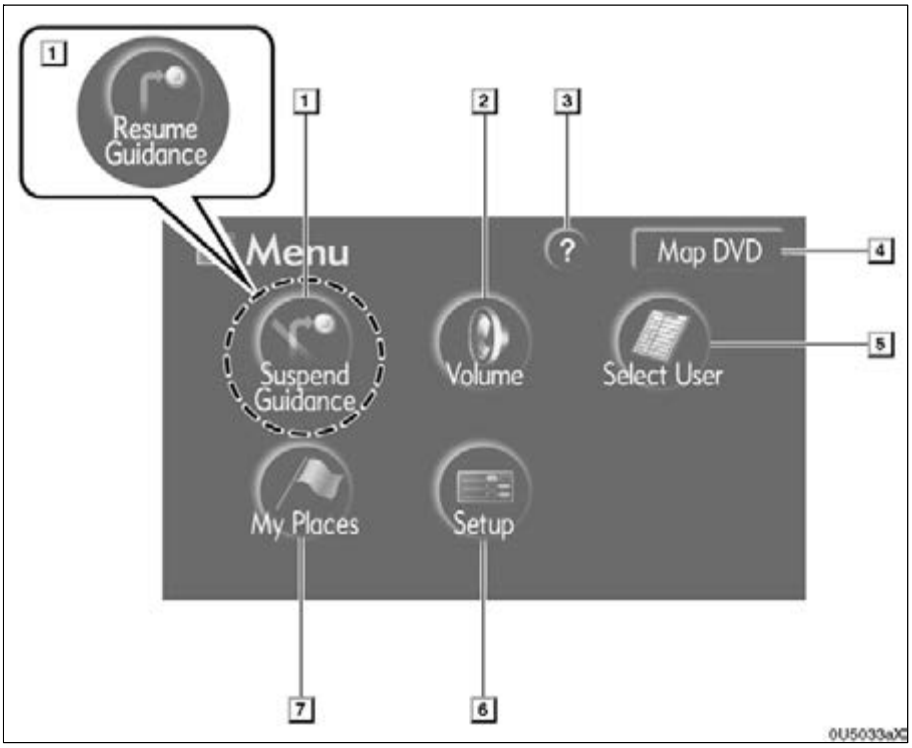
ADVANCED FUNCTIONS

Descriptions of functions for more effective use

- Quick reference (“Menu” screen) 86
- Quick reference (“Setup” screen) 87
- Suspending and resuming guidance 88
- Volume 89
- User selection 90
- **My places** 92
  - Registering memory points 93
  - Editing memory points 94
  - Deleting memory points 99
  - Registering home 100
  - Deleting home 101
  - Registering area to avoid 101
  - Editing area to avoid 102
  - Deleting area to avoid 105
  - Deleting previous points 106
- Setup 106

Quick reference (“Menu” screen)

The “Menu” screen allows effective use of the navigation system. To display the “Menu” screen, push the **“MENU”** button.



1 “Suspend Guidance” and “Resume Guidance”

Suspends or resumes guidance. 88

2 “Volume”

Sets the volume for voice guidance. 89

3 “?”

Function help for the “Menu” screen can be viewed on this screen. 27

4 “Map DVD”

Displays information regarding the disc version or covered area. 296

5 “Select User”

Up to 3 different settings for different users can be memorized. 90

6 “Setup”

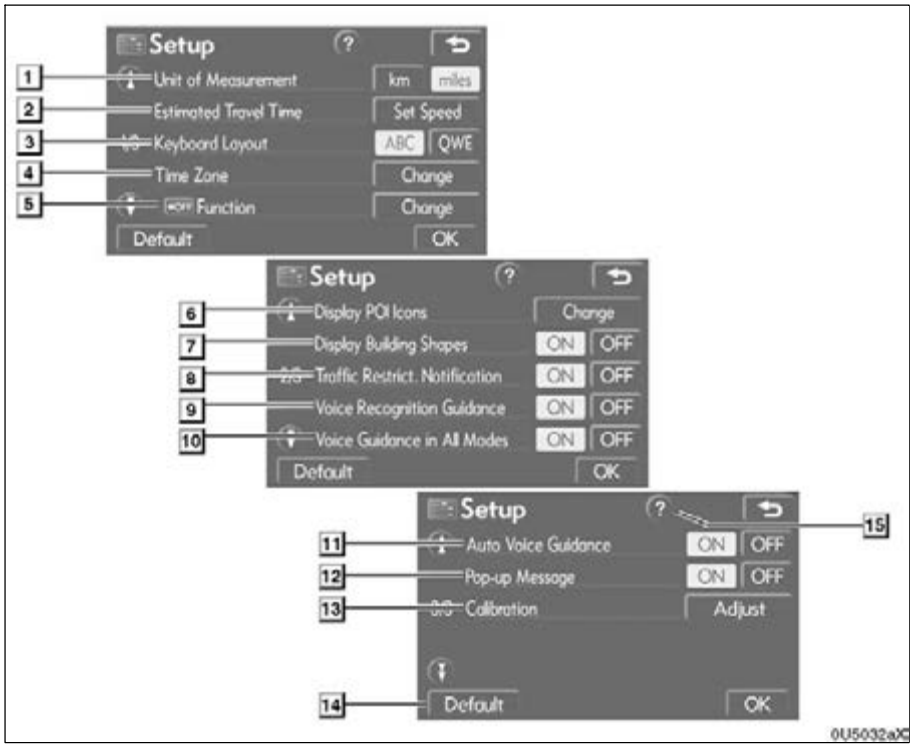
Enables various settings for the navigation system. 87, 106

7 “My Places”

Enables changes to “Memory points”, “Home” and “Areas to avoid”. Enables deletion of the previous point. 92

Quick reference (“Setup” screen)

The items shown on the “Setup” screen can be set. To display the “Setup” screen, push the **“MENU”** button and touch **“Setup”**.



1 “Unit of Measurement”

The distance units **“km”** or **“miles”** can be selected. 107

2 “Estimated Travel Time”

The system to display the travel time and the arrival time to the destination on the route guidance screen can be set. 107

3 “Keyboard Layout”

Key layout can be changed. 108

4 “Time Zone”

The desired time zone can be selected. 109

5 “ Function”

The choice whether to display each touch–screen button and current street name on the map screen can be set. 110

6 “Display POI Icons”

A selection of 6 icons displayed on the “Display POI Icons” top screen is possible. 110

7 “Display Building Shapes”

Selection of either ON or OFF to display the building shape on the map screen is possible. 111

8 “Traffic Restrict. Notification”

Notification of seasonal restrictions can be selected. 112

9 “Voice Recognition Guidance”

Voice recognition guidance can be set. 112

10 **“Voice Guidance in All Modes”**

Voice guidance can be set in all modes. 113

11 **“Auto Voice Guidance”**

Automatic voice guidance can be set. 113

12 **“Pop−up Message”**

Selection of either ON or OFF to display the pop−up message is possible. 114

13 **“Calibration”**

Adjustment of the current vehicle position mark can be done manually. 115

14 **“Default”**

This touch−screen button initializes all of the settings. 106

15 **“?”**

Function help for the “Setup” screen can be viewed. 27

Suspending and resuming guidance

- **To suspend guidance**

1. Push the “MENU” button.

2. Touch “Suspend Guidance”.

INFORMATION

Without route guidance, “Suspend Guidance” cannot be used.

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

- **To resume guidance**

1. Push the “MENU” button.

2. Touch “Resume Guidance”.

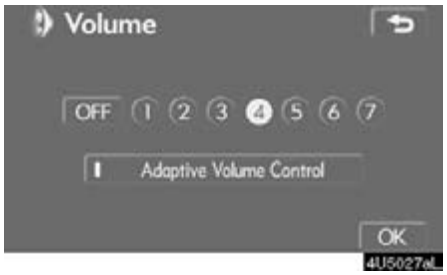
The screen will change to the current position map with route guidance.

Volume

The voice guidance volume can be adjusted or switched off.

1. Push the “MENU” button.

2. Touch “Volume”.



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

If voice guidance is not needed, touch **"OFF"** to disable the feature.

When selected the number or **"OFF"** will be highlighted.

3. Touch "OK" to confirm your selection.

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

"Adaptive Volume Control": By turning "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 button. The indicator will be highlighted.

User selection

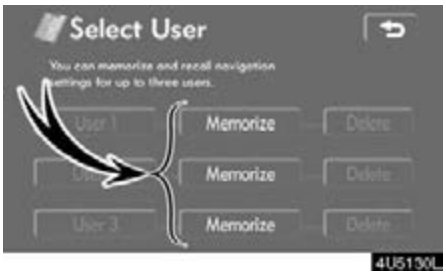
The system can memorize the following settings for up to three users.

- Map direction
- Map scale
- Map configuration
- Guidance mode
- Setup
- Volume
- Language
- Route trace
- Travel time/arrival time
- Right screen of dual map
- Route preference
- Maintenance notification

1. Push the "MENU" button.

2. Touch "Select User".

- **To register**



1. Touch “Memorize”.

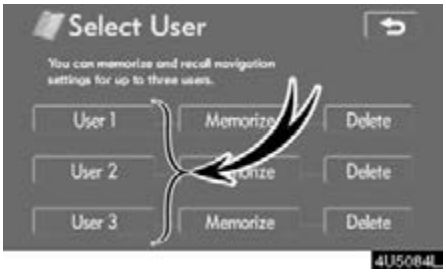
The confirmation screen will be displayed.

2. To register, touch “Yes”. To return to the previous screen, touch “No” or .

When a button that is already registered is touched, the following screen appears.

To replace, touch **“Yes”**. To cancel the replacement, touch **“No”** or .

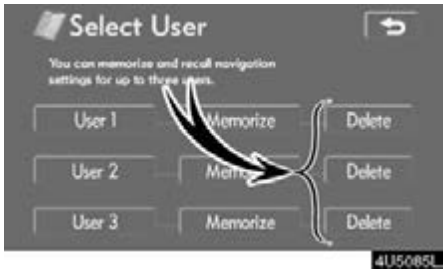
- **To change user**



Touch “User number”.

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

- **To delete user**



1. Touch “Delete”.

The confirmation screen will be displayed.

2. To delete, touch “Yes”. To return to the previous screen, touch “No” or .

My places —

Points or areas on the map can be registered.

The registered points can be used on the “Destination” screen. (See “ — Destination search by Home” on page 42, “ — Destination search by Quick access” on page 42 and “ — Destination search by Memory” on page 55.)

Registered areas are avoided at the time of route search.

1. Push the “MENU” button.

2. Touch “My Places”.

On this screen, the following operations can be performed.

1 **Registers memory points** (See " — Registering memory points" on page 93.)

2 **Edits memory points** (See " — Editing memory points" on page 94.)

3 **Deletes memory points** (See " — Deleting memory points" on page 99.)

4 **Registers or deletes home** (See " — Registering home" on page 100 or " — Deleting home" on page 101.)

5 **Registers areas to avoid** (See " — Registering area to avoid" on page 101.)

6 **Edits areas to avoid** (See " — Editing area to avoid" on page 102.)

7 **Deletes areas to avoid** (See " — Deleting area to avoid" on page 105.)

8 **Deletes previous points** (See " — Deleting previous points" on page 106.)

9 **Number of remaining memory points**

10 **Number of remaining areas to avoid**

— Registering memory points

1. Push the "MENU" button.

2. Touch "My Places" on the "Menu" screen.

3. Touch "Register".

4. Enter the location in the same way as for a destination search. (See "Destination search" on page 39.)

After memory point registration is completed, the "Memory Point" screen will be displayed.

5. Touch “OK”.

To edit registered information, see “ — Editing memory Points” on page 94.

INFORMATION
Up to 106 memory points can be registered.

— 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.

2. Touch “My Places” on the “Menu” screen.

3. Touch “Edit”.

4. Touch the desired memory point button.

5. Touch the button to be edited.

"Icon": To select icons to be displayed on the map. (See page 95.)

"Quick Access": To set an attribute. Memory points with a set attribute can be used as a "Quick access" or "Home" button. (See page 96.)

"Name": To edit memory point names. The names can be displayed on the map. (See page 97.)

"Location": To edit location information. (See page 98.)

"Phone #": To edit telephone numbers. (See page 99.)

6. Touch "OK".

- **To change "Icon"**

1. Touch "Icon" on the "Memory Point" screen.

2. Touch the desired icon.

Turn the page by touching **"Page 1"**, **"Page 2"** or **"with Sound"**.

SOUND ICONS

When the vehicle approaches the memory point, the selected sound will be heard.

1. Touch “with Sound” on the “Change Icon” screen.

2. Touch the desired sound icon.

The next screen appears when **“Bell (with Direction)”** is touched.

Touch either ◀ or ▶ to adjust the direction. Touch “Enter”.

The bell sounds only when the vehicle approaches this point in the direction that has been set.

- **To change “Quick Access”**

It is possible to change attributes of the quick access points. Memory points with a set attribute can be used as a “Quick Access” or “Home” touch–screen button. (See “ — Destination search by Home” on page 42 and “ — Destination search by Quick access” on page 42.)

1. Touch “Quick Access” on the “Memory Point” screen.

2. Touch the desired attribute.

It is possible to replace a registered attribute.

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

INFORMATION
One “Home” and five “Quick Access” can be set.

DELETING “Quick Access”

1. Touch “Del.”.

2. To delete an attribute, touch “Yes”. To return to the previous screen, touch “No” or .

- **To change “Name”**

1. Touch “Name” on the “Memory Point” screen.

2. Enter the name using the alphanumeric keys.

Up to 24 letters can be entered.

3. Touch “OK”.

The previous screen will be displayed.

DISPLAYING MEMORY POINT NAMES

The name of a memory point that may be displayed on the map can be set.

To show the name, touch “ON” on the “Memory Point” screen. To not show it, touch “OFF”.

- **To change “Location”**

1. Touch “Location” on the “Memory Point” screen.

2. Touch the eight directional touch−screen button to move the cursor ⌖ to the desired point on the map.

3. Touch “Enter”.

The previous screen will be displayed.

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

1. Touch “Phone #” on the “Memory Point” screen.

2. Enter the number using number keys.

3. Touch “OK”.

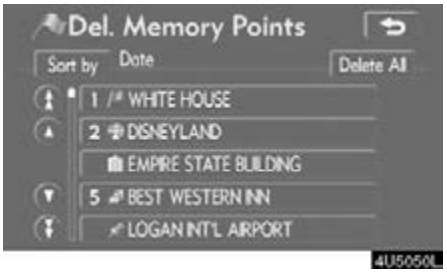
The previous screen will be displayed.

— Deleting memory points

1. Push the “MENU” button.

2. Touch “My Places” on the “Menu” screen.

3. Touch “Delete”.



4. Touch the button to be deleted.

“Delete All”: To delete all memory points in the system.

5. To delete the memory point, touch “Yes”. To cancel the deletion, touch “No”.

— Registering home

If home has been registered, that information can be recalled by using the “Home” touch–screen button on the “Destination” screen. (See “ — Destination search by Home” on page 42.)

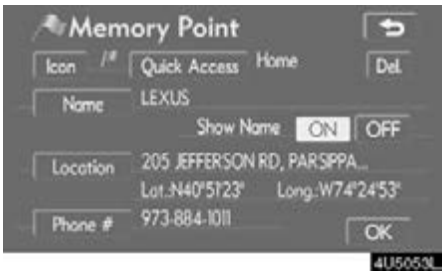
1. Push the “MENU” button.

2. Touch “My Places” on the “Menu” screen.

3. Touch “Register”.

4. Enter the location in the same way as for a destination search. (See “Destination search” on page 39.)

When registration of home is completed, the “Memory Point” screen will be displayed.



5. Touch “OK”.

To edit registered information, see “ — Editing memory points” on page 94.

— Deleting home

1. **Push the “MENU” button.**
2. **Touch “My Places”.**

3. **Touch “Delete”.**
4. **To delete home, touch “Yes”. To cancel the deletion, touch “No”.**

— Registering area to avoid

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

1. **Push the “MENU” button.**
2. **Touch “My Places” on the “Menu” screen.**

3. **Touch “Register”.**

4. **Enter the location in the same way as for a destination search, or display the map of the area to be avoided.** (See “Destination search” on page 39.)

5. **Touch the eight directional touch−screen button to move the cursor ⌖ to the desired point on the map.**
6. **Touch “Enter”.**

7. Touch either ▲ or ▼ to change the size of the area to be avoided.
8. Touch “OK”.

INFORMATION

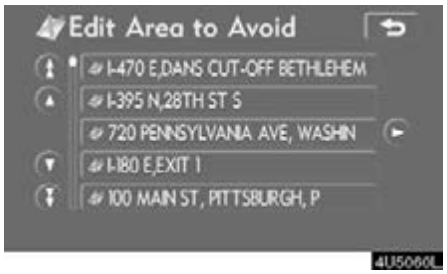
- *If a destination is input in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to be avoided may be shown.*
- *Up to 10 locations can be registered as points/areas to avoid. If there are 10 locations already registered, the following message will be displayed: “Unable to register additional points. Perform operation again after deleting unnecessary points.”.*

— Editing area to avoid

The name, location and/or area size of a registered area can be edited.

1. **Push the “MENU” button.**
2. **Touch “My Places” on the “Menu” screen.**

3. **Touch “Edit”.**



4. **Touch the desired area button.**

5. Touch the button to be edited.

"Name": To edit the name of the area to avoid. The names can be displayed on the map. (See page 103.)

"Location": To edit area location. (See page 104.)

"Area Size": To edit area size. (See page 105.)

"Active": To turn on or off the area to avoid feature. To turn on the feature touch "**ON**" on the "Edit Area to Avoid" screen. To turn off the feature touch "**OFF**" on the "Edit Area to Avoid" screen.

6. Touch "OK".

- **To change "Name"**

1. Touch "Name" on the "Edit Area to Avoid" screen.

2. Enter the name using alphanumeric keys.

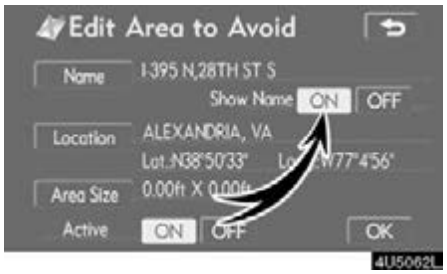
Up to 24 letters can be entered.

3. Touch "OK".

The previous screen will be displayed.

DISPLAYING NAMES OF AREAS TO BE AVOIDED

The name of an area to be avoided that may be displayed on the map can be set.



To show the name, touch “ON” on the “Edit Area to Avoid” screen. To not show it, touch “OFF”.

- **To change “Location”**

1. Touch “Location” on the “Edit Area to Avoid” screen.

2. Touch the eight directional touch−screen button to move the cursor ⌖ to the desired point on the map.

3. Touch “Enter”.

The previous screen will be displayed.

- **To change “Area Size”**

1. Touch “Area Size” on the “Edit Area to Avoid” screen.

2. Touch either ▲ or ▼ to change the size of the area to be avoided.

3. Touch “OK”.

The previous screen will be displayed.

— Deleting area to avoid

1. Push the “MENU” button.

2. Touch “My Places” on the “Menu” screen.

3. Touch “Delete”.

4. Touch the button to be deleted.

“Delete All”: To delete all registered areas to avoid in the system.

5. To delete the area, touch “Yes”. To cancel the deletion, touch “No”.

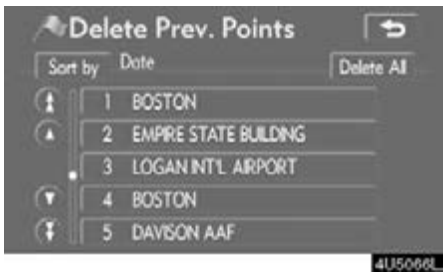
— Deleting previous points

The previous destination can be deleted.

1. Push the “MENU” button.

2. Touch “My Places” on the “Menu” screen.

3. Touch “Delete Previous Points”.



4. Touch the button you want to delete.

“Delete All”: To delete all previous points in the system.

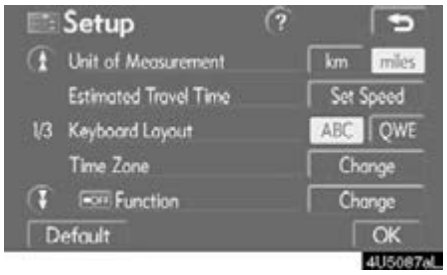
5. To delete the point, touch “Yes”. To cancel the deletion, touch “No”.

Setup

Setting the items shown on the “Setup” screen can be done. (See page 87.)

1. Push the “MENU” button.

2. Touch “Setup”.



3. Touch the items to be set.

4. Touch “OK”.

The previous screen will be displayed.

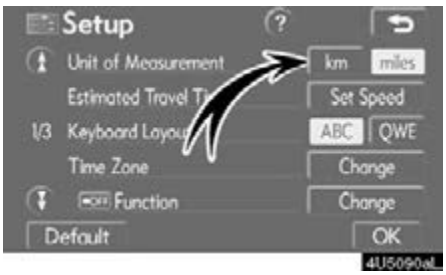
INFORMATION
To reset all setup items, touch “Default”.

- **Unit of measurement**

Unit of measurement can be changed.

1. Push the “MENU” button.

2. Touch “Setup” on the “Menu” screen.



3. Touch “km” or “miles” of “Unit of Measurement” to choose the distance unit.

The selected button is highlighted.

4. Touch “OK”.

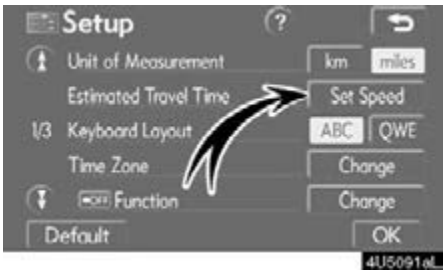
INFORMATION
This function is available only in English or Spanish. To switch language, see “Selecting a language” on page 183.

- **Estimated travel time**

The speed that is used for the calculation of the estimated travel time and the estimated arrival time can be set.

1. Push the “MENU” button.

2. Touch “Setup” on the “Menu” screen.



3. Touch “Set Speed” of the “Estimated Travel Time”.

4. Touch ◄ or ► to set the average vehicle speeds for “Residential”, “Main street”, and “Freeway”.

To set the default speeds, touch **“Default”**.

5. After setting of the desired speeds is completed, touch “OK”.

INFORMATION

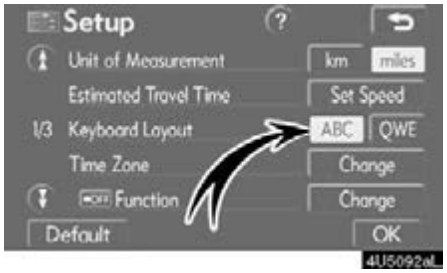
- *The displayed time to the destination is the approximate driving time that is calculated based on the selected speeds and the actual position along the guidance route.*
- *The time shown on the screen may vary greatly depending on progress along the route, which may be affected by road conditions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

- **Input key layout**

Key layout can be changed.

1. Push the "MENU" button.

2. Touch "Setup" on the "Menu" screen.



3. Touch "ABC" or "QWE" of "Keyboard Layout" to choose the input key layout.

LAYOUT TYPE

▶ **"ABC" type**

▶ **"QWE" type**

The selected button is highlighted.

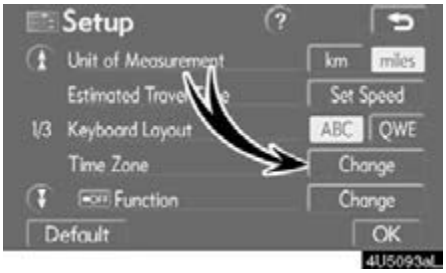
4. Touch "OK".

- **Time zone**

Time zone can be changed.

1. Push the “MENU” button.

2. Touch “Setup” on the “Menu” screen.



3. Touch “Change” of “Time Zone”.

The “Adjust Time Zone” screen will be displayed on the display.

4. Touch the desired time zone.

The selected button is highlighted.

“Daylight Saving Time”: Daylight saving time can be set or cancelled.

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

5. Touch “OK”.

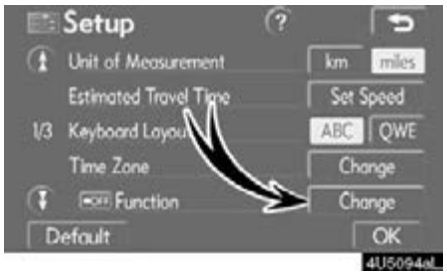
When you touch “Other”, this screen is displayed. Touch “▲” or “▼” to adjust the time zone.

- **Screen layout function (Function)**

Each touch–screen button and current street name on the map screen can be displayed or hidden.

1. Push the “MENU” button.

2. Touch “Setup” on the “Menu” screen.



3. Touch “Change” of “ Function”.

4. Touch the button to be turned off. The button becomes dimmed.

To set the default, touch **“Default”**.

5. Touch “OK”.

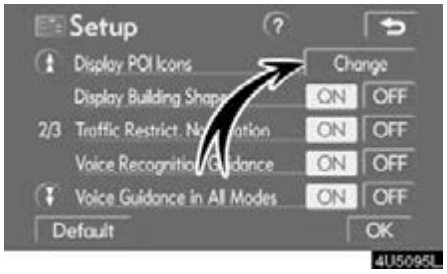
- **POI category change (Display POI Icons)**

Select from among the 6 icons displayed on the “Display POI Icons” top screen, so that setting of the icons to be displayed on the map screen can be done easily.

1. Push the “MENU” button.

2. Touch “Setup” on the “Menu” screen.

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



3. Touch “Change” of “Display POI Icons”.

4. Touch the category button to be changed.

5. Touch the category button to be displayed on the “Display POI Icons” top screen.

6. Touch “OK”.

- **Display of building shape**

When the “Display Building Shapes” 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 Shapes” on:

1. Push the “MENU” button.

2. Touch “Setup” on the “Menu” screen.

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

3. Touch “ON” of “Display Building Shapes”.

The selected button is highlighted.

4. Touch “OK”.

- **Notifying traffic restriction**

When the “Traffic Restrict. Notification” feature is turned on, the system notifies you of traffic or seasonal restrictions.

To turn the “Traffic Restrict. Notification” on:

1. Push the “MENU” button.

2. Touch “Setup” on the “Menu” screen.

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

3. Touch “ON” of “Traffic Restrict. Notification”.

The selected button is highlighted.

4. Touch “OK”.

- **Voice recognition guidance**

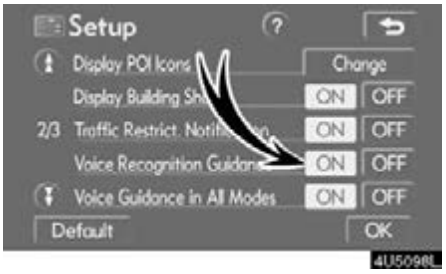
When the “Voice Recognition Guidance” feature is turned on, the voice recognition guidance can be heard automatically.

To turn the “Voice Recognition Guidance” on:

1. Push the “MENU” button.

2. Touch “Setup” on the “Menu” screen.

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



3. Touch “ON” of “Voice Recognition Guidance”.

The selected button is highlighted.

4. Touch “OK”.

- **Voice guidance in all modes**

When the “Voice Guidance in All Modes” feature is turned on, the voice guidance in all modes can be heard.

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 “Setup” on the “Menu” screen.

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

3. Touch “ON” of “Voice Guidance in All Modes”.

The selected button is highlighted.

4. Touch “OK”.

- **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 the **“MAP/VOICE”** button is pushed.

To turn the “Auto Voice Guidance” mode on:

1. Push the “MENU” button.

2. Touch “Setup” on the “Menu” screen.

Then touch twice to display page 3 of the “Setup” screen.

3. Touch “ON” of “Auto Voice Guidance”.

The selected button is highlighted.

4. Touch “OK”.

- **Pop−up message**

When the “Pop−up Message” is turned on, the pop−up message will be displayed.

To turn the “Pop−up Message” on:

1. Push the “MENU” button.

2. Touch “Setup” on the “Menu” screen.

Then touch twice to display page 3 of the “Setup” screen.

3. Touch “ON” of “Pop−up Message”.

The selected button is highlighted.

4. Touch “OK”.

When the “Pop−up Message” is turned off, the following messages will not displayed.

This message appears when the system is in the POI mode and the map scale is over 0.5 miles (800 m).

The message appears when the map is switched to the dual map screen mode.

- **Current position/tire change calibration**

The current vehicle position mark can be adjusted manually. Miscalculation of the distance caused by tire replacement can also be adjusted.

1. Push the “MENU” button.

2. Touch “Setup” on the “Menu” screen.

Then touch twice to display page 3 of the “Setup” screen.

3. Touch “Adjust” of “Calibration”.

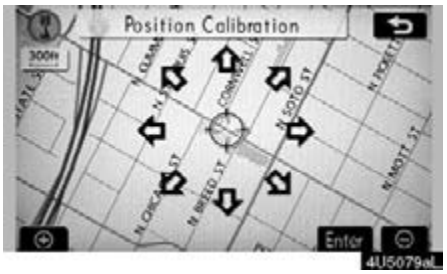
4. Touch the desired button.

INFORMATION
For additional information on the accuracy of a current vehicle position, see “Limitations of the navigation system” on page 294.

POSITION/DIRECTION CALIBRATION

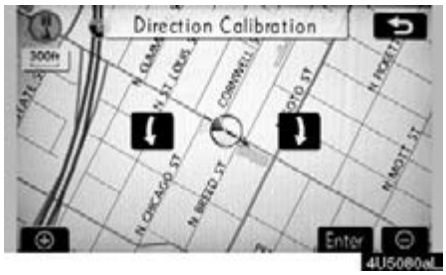
When driving, the current vehicle position mark will be automatically corrected by GPS signals. If GPS reception is poor due to location, you can manually adjust the current vehicle position mark.

1. Touch “Position/Direction”.



2. Touch the eight directional touch-screen button to move the cursor ⌖ to the desired point on the map.

3. Touch “Enter”.



4. Touch either ◀ or ▶ to adjust the direction of the current vehicle position mark.

5. Touch "Enter".

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 miscalculation caused by the circumference difference between the old and new tires. If this procedure is not performed when the tires are replaced, the current vehicle position mark may be incorrectly displayed.

To perform a distance calibration procedure, touch "Tire Change" 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.

SECTION 5

OTHER FUNCTIONS

- **Maintenance information** 118
  - Maintenance information setting 118
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Maintenance information — — Maintenance information setting

When the navigation System is turned on, the “Information” screen displays when it is time to replace a part or certain components. (See page 22.)

1. Push the “INFO” button.

2. Touch “Maintenance”.

3. Touch the desired button.

For details of each touch−screen button, see “INFORMATION ITEMS” on page 119.

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

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

“Set Dealer”: To register or edit dealer information. (See “ — Dealer setting” on page 120.)

If **“ON”** is selected, the system gives maintenance information with the “Information” screen when the system is turned on. (See page 22.)

If **“OFF”** is selected, the “Information” screen is disabled.

When the vehicle needs to be serviced, the touch−screen button color will change to orange.

INFORMATION ITEMS

“ENGINE OIL”: Replace engine oil

“OIL FILTER”: Replace engine oil filter

“ROTATION”: Rotate tires

“TIRES”: Replace tires

“BATTERY”: Replace battery

“BRAKE PAD”: Replace brake linings

“WIPERS”: Replace wiper blades

“LLC”: Replace engine coolant

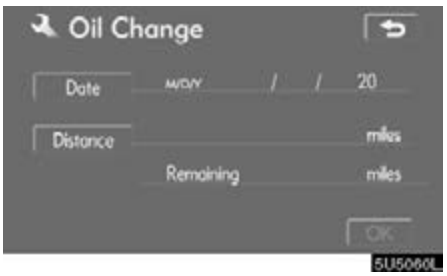
“BRAKE OIL”: Replace brake fluid

“ATF”: Replace ATF (Automatic Transmission Fluid)

“SERVICE”: Scheduled maintenance

“AIR FILTER”: Replace air filter

“PERSONAL”: New information items can be created separately from provided ones.



4. Input the conditions.

Notice of “Date”: The next maintenance date can be input.

Notice of “Distance”: The driving distance until the next maintenance check can be input.

“Delete”: To cancel the date and distance conditions.

“Reset”: To reset the date and distance conditions.

5. Touch “OK”.

The screen then returns to the “Maintenance” screen.

INFORMATION

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

— Dealer setting

It is possible to register a dealer in the system. With dealer information registered, route guidance to the dealer is available.

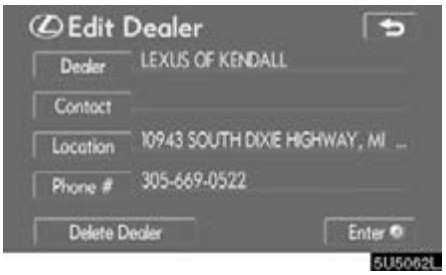
1. Push the “INFO” button.

2. Touch “Maintenance” on the “Information” screen.

3. Touch “Set Dealer” on the “Maintenance” screen.

4. If the dealer has not been registered, enter the location of the dealer in the same way as for a destination search. (See “Destination search” on page 39.)

When “Set Dealer” registration is finished, the “Edit Dealer” screen will be displayed.



5. Touch the button to be edited.

“Dealer”: To enter the name of a dealer. (See page 121.)

“Contact”: To enter the name of a dealer member. (See page 121.)

“Location”: To set a location. (See page 121.)

“Phone #”: To set a telephone number. (See page 122.)

“Delete Dealer”: To delete the dealer information displayed on the screen.

“Enter ⊙”: To set the displayed dealer as a destination. (See “Starting route guidance” on page 60.)

- **To edit “Dealer” or “Contact”**

1. Touch “Dealer” or “Contact” on the “Edit Dealer” screen.

2. Enter the name using the alphanumeric keys.

Up to 24 letters can be entered.

3. Touch “OK”.

The previous screen will be displayed.

- **To edit “Location”**

1. Touch “Location” on the “Edit Dealer” screen.

2. Touch the eight directional touch−screen button to move the cursor ⌖ to the desired point on the map.

3. Touch “Enter”.

The previous screen will be displayed.

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

1. Touch “Phone #” on the “Edit Dealer” screen.

2. Enter the number using number keys.

3. Touch “OK”.

The previous screen will be displayed.

Calendar with memo —

It is possible to enter memos for particular dates on the calendar. The system informs you of the memo entry when the system is turned on. (See page 23.)

Memos can also be used for route guidance if the memo has been registered with location information.

1. Push the “INFO” button.

2. Touch “Calendar”.

On this screen, the current date is highlighted in yellow.

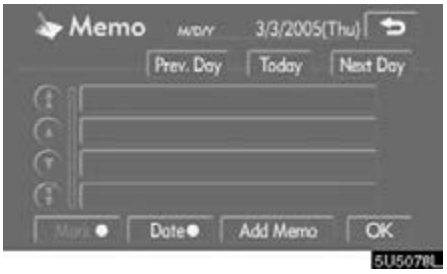
▲M or ▼M: To change month.

▲Y or ▼Y: To change year.

"Today": To display the current month calendar (if another month is displayed).

"List": To display the list of registered memos. (See " — Memo list" on page 125.)

Touching a date button on the "Calendar" screen displays the "Memo" screen.



Memos can be edited by touching the list button. (See " — Editing a memo" on page 125.)

"Add Memo": To add a memo. (See " — Adding a memo" on page 124.)

"Mark ○": To change the color of the mark displayed next to the date. To default the mark color, touch **"Delete"** on the "Mark color" screen.

"Date ○": To change the color of the date. To default the date color, touch **"Delete"** on the "Date color" screen.

"Prev. Day": To go to the "Memo" screen of the previous date.

"Today": To go to the "Memo" screen for the current day.

"Next Day": To go to the "Memo" screen of the next date.

— Adding a memo

If a memo is added, the system informs of the memo entry when the system is started on the memo date. (See page 23.)

1. Push the “INFO” button.

2. Touch “Calendar” on the “Information” screen.

3. Touch the date you want to add a memo on the “Calendar” screen.

4. Touch “Add Memo”.

Up to 100 memos can be added.

5. Touch “Memo”.

6. Enter text using the keys.

Up to 24 letters can be entered.

After entering the text, touch **“OK”** at the bottom right of the screen.

7. When registering information on the memo, touch “Location”.

A screen similar to the destination search screen appears. Search the same way as searching a destination. (See “Destination search” on page 39.)

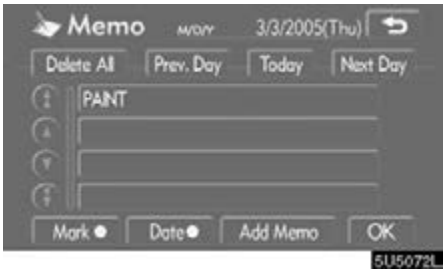
— Editing a memo

The registered memo can be edited.

1. Push the “INFO” button.

2. Touch “Calendar” on the “Information” screen.

3. Touch the day you want to edit a memo on the “Calendar” screen.



4. Touch the memo to be edited.

5. Touch the item to be edited.

“Memo”: To edit a memo. (See “ — Adding a memo” on page 124.)

“Location”: To change a registered location. (See “ — Adding a memo” on page 124.)

“Enter ⊙”: To set the registered location as a destination. (See “Starting route guidance” on page 60.)

“Delete”: To delete the memo.

— Memo list

It is possible to display a memo list by setting a condition.

1. Push the “INFO” button.

2. Touch “Calendar” on the “Information” screen.

3. Touch “List” on the “Calendar” screen.

4. Touch the desired search condition to list the memos.

“This Week”: To display the list of memos for the current week.

“This Month”: To display the list of memos for the current month.

“Future”: To display a list of future memos.

“Past”: To display the list of past memos.

“All”: To display the list of all memos.

“Period”: To display the list of memos for a specified period. (See page 126.)

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

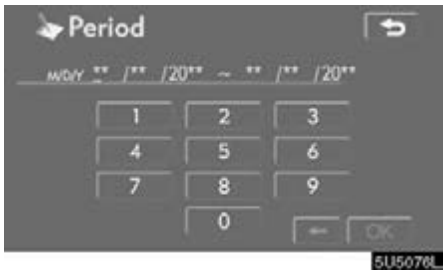
"Delete All": To delete all the displayed memos.

A message will be displayed.

6. To delete, touch "Yes". To cancel the deletion, touch "No".

- **To display memos for a specified period of time**

1. Touch "Period" on the "Memo Search" screen.



2. Enter the period using the numeral keys.

The period from January 1, 2005 through December 31, 2024 can be set for searching.

3. After setting the period, touch "OK".

The "Memo List" screen will be displayed.

Hands−free system (for cellular phone)

Hands−free system allows you to make or receive a call without taking your hands off the steering wheel by connecting your cellular phone.

This system supports Bluetooth®. Bluetooth® is a wireless data system by which you can call without your cellular phone being connected with a cable or placed on a cradle.

If your cellular phone does not support Bluetooth®, this system can not function.

⚠ CAUTION

While driving, do not use a cellular phone or connect the Bluetooth® phone.

NOTICE

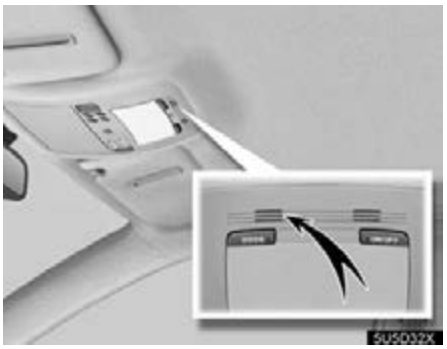
Do not leave your cellular phone in the car. The temperature indoor may be high and damage the phone.

INFORMATION

In the following conditions, the system may not function.

- ***The cellular phone is turned off.***
- ***The current position is outside the communication area.***
- ***The cellular phone is not connected.***
- ***The cellular phone has a low battery.***

By pushing the telephone switch above, you can receive a call or hang up without taking your hands off the steering wheel.



You can use the microphone above when talking on the phone.

The other party's voice outputs from the driver's speaker. When the received calls or received voice outputs, the audio from the audio system or voice guidance from the navigation system will be muted.

INFORMATION

- ***Talk alternately with the other party on the phone. If you talk at the same time, the voice may not reach each other. (It is not a malfunction.)***
- ***Keep the volume of receiving voice down. Otherwise, echo is coming up. When you talk on the phone, speak clearly towards the microphone.***
- ***In the following situations, your voice may not reach the other party.***
  - ***Driving on unpaved road. (Making a traffic noise.)***
  - ***Driving at the high speed.***
  - ***The window is open.***
  - ***Turning the air−conditioning vents towards the microphone.***
  - ***The sound of the air−conditioning fan is loud.***

1 Indicates the condition of Bluetooth® connection.

"Blue" indicates an excellent connection to Bluetooth®.

"Yellow" indicates a bad connection to Bluetooth®, resulting in possible deterioration of voice quality.

: No connection to Bluetooth®.

2 Indicates the amount of battery charge left.

Empty ← → **Full**

It is not displayed while the Bluetooth® is connecting or the phone book data is being transferred.

The amount left does not always correspond with the one of your cellular phone. This system doesn't have a charging function.

3 Indicates the receiving area.

"Rm" is displayed when receiving in Roaming area.

"Hm" is displayed when receiving in Home area.

4 Indicates the level of reception.

Too bad ⟷ Excellent

The level of reception does not always correspond with the one of your cellular phone.

INFORMATION

This system supports the following service.

- ***HFP (Hands Free Profile) Ver. 1.0***
- ***OPP (Object Push Profile) Ver. 1.1***

If your cellular phone does not support HFP, you cannot enter the Bluetooth® phone, and take OPP service individually.

An antenna for the Bluetooth® connection is built in the display. The indication of the Bluetooth® connection may turn yellow and the system may not function when you use the Bluetooth® phone in the following conditions and places.

- Your cellular phone is hiding behind the display (behind the seat or in the glove box and console box).
- Your cellular phone touches or is covered with metal materials.

Leave the Bluetooth® phone on the place where “Blue” indication is displayed.

Bluetooth is a trademark owned by Bluetooth SIG, Inc.

When you release your car:

A lot of personal data is registered when you use the Hands−free system. When you release your car, initialize your data. (See “(c) Delete personal data” on page 182.)

If you initialize it, the former state will never come back again. Pay much attention when initializing the data.

You can initialize the following data in the system.

- Phone book data
- Dialed numbers and received calls
- Speed dial
- Bluetooth® phone data
- Security code

FCC ID: HYQBT0501A
IC ID: 1551A−BT0501A
MADE IN JAPAN

This device complies with Part 15 of the FCC Rules and RSS−210 Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

⚠ CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION: Radio Frequency Radiation Exposure
This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and legs).

Co−location: This transmitter must not be co−located or operated in conjunction with any other antenna or transmitter.

— Enter a Bluetooth® phone

To use the hands−free system, you need to enter your phone into the system. Once you have registered it, you can make a hands−free call.

1. Push the "INFO" button.

2. Touch "Telephone" to display "Telephone" screen.

You can also push of the steering wheel to display this screen when the vehicle is stopped.

3. Touch "Settings" to display "Settings" screen.

4. Touch "Bluetooth*" to display the "Bluetooth* Settings" screen.

5. Touch "Register" to connect your cellular phone to the system.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

6. When this screen is displayed, input the Passkey displayed on the screen into the phone.

For the operation of the phone, see the manual that comes with your cellular phone.

If you want to cancel it, touch **"Cancel"**.

7. When the connection is completed, this screen is displayed.

You do not need to enter the phone in case of using the same one.

When this screen is displayed, follow the guidance on the screen to try again.

- **Connecting a Bluetooth® phone AUTOMATICALLY**

When you register your phone, auto connection will be turned on. Always set it to this mode and leave the Bluetooth® phone in a condition where connection can be established.

Each time you touch **"Auto Connect"**, auto connection will be switched on or off.

When the "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode, the selected Bluetooth® phone will be automatically connected and the connection result is displayed.

This screen appears when the Bluetooth® phone is first connected after the "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode.

MANUALLY

When the auto connection failed or turned off, you have to connect Bluetooth® manually.

Touch "Connect" after having enabled the Bluetooth® connection on the phone.

When the connection is completed, this screen is displayed.

Now you can use the Bluetooth® phone.

- **Reconnecting the Bluetooth® phone**

If the Bluetooth® phone is disconnected with a poor reception from the Bluetooth® network when the "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode, the system automatically reconnects the Bluetooth® phone. In this case, the connection result is not displayed.

If the Bluetooth® is disconnected on purpose such as you turned your cellular phone off, this does not happen. Reconnect it by the following methods.

- Select the Bluetooth® phone again.
- Enter the Bluetooth® phone.

— Call on the Bluetooth® phone

After you enter the Bluetooth® phone, you can call by using hands−free system. You can call using the 7 methods described below.

- **By dial**

You can call by inputting the telephone number.

This cannot be operated while driving.

Touch the desired key to input the telephone number.

Each time you touch ◀, an inputted digit is deleted.

When you touch , the number you called last is inputted.

Touch or push of the steering wheel.

- **By phone book**

You can call by phone book data which is transferred from your cellular phone.

The system has one phone book. You can register up to 1000 numbers.

This cannot be operated while driving.

1. Touch “Phone Book” to display “Phone Book” screen.

2. Select the desired number from the list.

Touch or push of the steering wheel.

- **By dialed numbers**

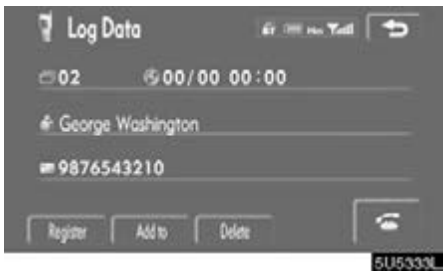
You can call by dialed number. The system memorizes up to 5 dialed numbers. If it is more than 5, the oldest number is deleted.

This cannot be operated while driving.

1. Touch “Call Log” to display “Outgoing Calls” screen.

- When you call by phone book, the name (if registered) is displayed.
- When you call the same number continuously, only the newest number is registered.

2. Select the desired number from the list.



Touch or push of the steering wheel.

- **By received calls**

You can call by received calls. When a call is received, the system memorizes up to 5 numbers. If it is more than 5, the oldest number is deleted.

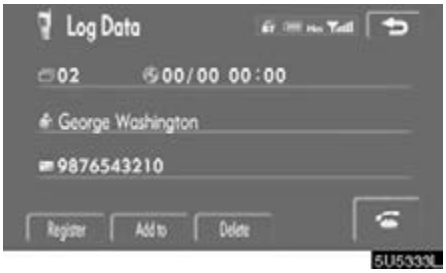
This cannot be operated while driving.

1. Touch “Call Log” to display “Outgoing Calls” screen.

2. Touch “Incoming Calls” to display the “Incoming Calls” screen.

- When a telephone number registered in phone book is received, the name and the number are displayed.
- Received calls which you did not answer are also memorized in the system and **"Abs."** is displayed on the left side of the number.
- Unnoticed telephone number such as a public telephone is not memorized in the system.

3. Select the desired number from the list.



Touch or push of the steering wheel.

- A international phone call may not be made depending on the cellular phone which you have.

- **By speed dial**

You can call by registered telephone number which you selected from a phone book, dialed numbers and received calls. (See "(a) Registering the speed dial" on page 144 for registering the speed dial.)

1. Touch "Speed Dial" to display "Speed Dial" screen.

2. Touch the desired number to call.

You can change the page by touching "Speed Dial 2" or "Speed Dial 3".

When you push the telephone switch while driving, the screen above appears. Touch the desired name to call. (The telephone number is not displayed.)

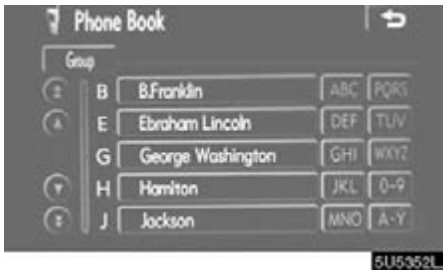
- **By voice recognition**

You can call by giving a command. (For the operation and command of voice recognition, see "Speech command system" on page 174 and "Help screen" on page 177.)

DIALING BY NAME

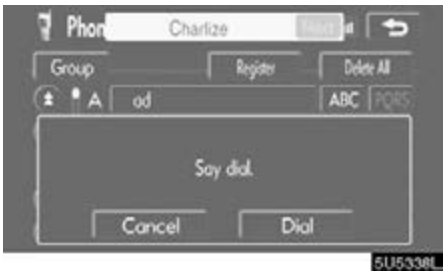
You can call by giving a voice tag registered in the phone book. For setting the voice recognition, see "● Setting the voice recognition" on page 156.

Example: Call Charlize.



You:	Push the talk switch.
System:	"After the beep, please say the name."
You:	"Charlize."
System:	"Charlize chosen, when ready, please briefly push the talk switch or push the off–hook switch to dial."
You:	Push the talk switch.
System:	"After the beep, please say "Dial"."
You:	"Dial."
System:	"Dialing the name."

Now you can call Charlize.



"Next" is displayed when multiple entries are found for a searched name.

Up to 6 entries can be displayed including the first searched one.

Do the following to change the entry to the next one.

- Touch "Next".
- Push the talk switch to say "Next Candidate".

Calling without the voice recognition

After the entry number is displayed, you can also call by pushing the telephone switch or touching "Dial".

Cancelling the voice recognition

The voice recognition will be cancelled when you do the following.

- Keep on pushing the talk switch.
- Push of the steering wheel.
- Touch "Cancel". (Except for recognizing the command.)
- Say "Cancel".

DIALING BY PHONE NUMBER

You can call by giving a desired number.

You: Push the talk switch.

System: "After the beep, please say the number."

You: "812387."

System: "When ready, please briefly push the talk switch or push the off−hook switch to dial."

You: Push the talk switch.

System: "After the beep, please continue to add numbers or say "Dial"."

You: "Dial."

System: "Dialing the number."

Now you can call 812387.

SENDING A TONE

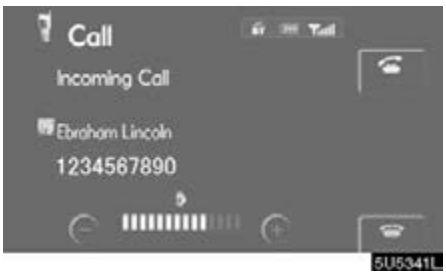
You can send a tone by giving a desired number.

You: Push the talk switch.
System: “Say numbers, pound, or star.”
You: “1234.”
System: “1234.” “Push the talk switch.”
You: Push the talk switch.
System: “Send? Say “Yes” or “No”.”
You: “Yes.”
System: “Sending.”
Now you can send the tone.

- **By POI call**

You can call by touching when it is displayed on the screen from navigation system. (See page 30 for details.)

— Receive on the Bluetooth® phone



When a call is received, this screen is displayed with a sound. Touch or push of the steering wheel to talk on the phone.

To hang up the phone:

Touch or push of the steering wheel again.

To refuse to receive the call:

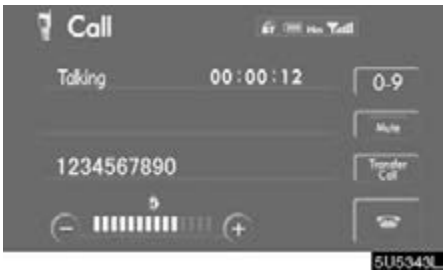
Touch and hold it.

To adjust the volume of received call:

Touch **"–"** or **"+"** or use the volume switch of the steering wheel.

On the international phone call, the other party's name may not be displayed correctly depending on the cellular phone which you have.

— Talk on the Bluetooth® phone



While you are talking on the phone, this screen is displayed. You can do the operation below on the screen.

To adjust the volume of the other party's voice:

Touch **"–"** or **"+"** or use the volume switch of the steering wheel.

To hang up the phone:

Touch or push of the steering wheel.

To mute your voice:

Touch **"Mute"**.

To input a Key:

Touch **"0–9"**.

To transfer the call

Touch **"Transfer Call"**.

You cannot change from Hands–free call to cellular phone call while driving.

When you change from cellular phone call to Hands–free call, the Hands–free screen will be displayed and you can operate it on the screen.

Transferring method and behavior are different depending on the cellular phone which you have.

For the operation of the phone, see the manual that comes with your cellular phone.

Touch the desired number to input the key.

To hang up the phone:

Touch or push of the steering wheel.

This cannot be operated while driving.

If the continuous tone signal is registered in a phone book, this screen appears. (If not registered, "Send" and "Exit" are not displayed.)

Confirm the number displayed on the screen and touch "Send". The number before marked sign will be sent.

When you touch **"Exit"**, this function will be finished and normal tone screen appears.

To hang up the phone:

Touch or push of the steering wheel.

The continuous tone signal is the marked sign (p or w) and the number following telephone number. (ex. 056133p0123w#1✳)

You can do this operation when you want to operate an answering machine or use a telephone service in bank for example. You can register the phone number and the code number in the phone book.

- **Sending a tone by the speed tone**

You can send a tone by the speed tone. (For registering the speed tone, see "(b) Registering the speed tone" on page 146.)

1. Touch "Speed Tone".

2. Touch the desired switch to send a tone.

— Change the settings of the Bluetooth® phone

Touch "Settings" to display "Settings" screen.

You can change the settings of the phone.

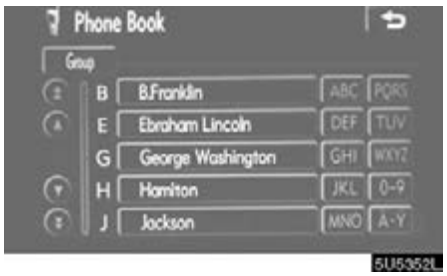
(a) Registering the speed dial

You can register the desired telephone number from phone book, dialed numbers and received calls. Up to 17 speed dial numbers can be registered.

The 6th entry is the speed dial for redialing.

1. Touch “Speed Dial” to display the “Speed Dial Settings” screen.

2. Touch “Register” of “Speed Dial”.

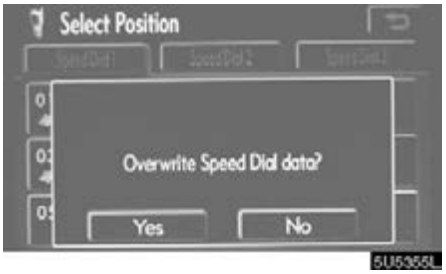


3. Select the data you want to register.

4. Touch the desired telephone number.

5. Touch the touch−screen button you want to register in.

The latest dialed number is registered in the 6th item (speed redial).



If you select a touch−screen button you registered before, this screen is displayed.

6. Touch “Yes” if you want to overwrite it.

- **Deleting the speed dial individually**

You can delete “01” − “17” of the speed dial individually.

If you delete them all at once, all of 17 numbers are deleted.

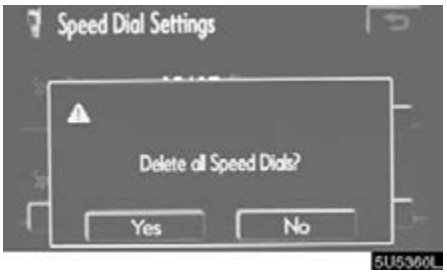
1. Touch “Delete” of “Speed Dial”.

2. Touch the touch−screen button you want to delete.

3. Touch “Yes”.

- **Deleting all of the speed dial**

1. Touch “Delete All” of “Speed Dial”.



2. Touch “Yes”.

(b) Registering the speed tone

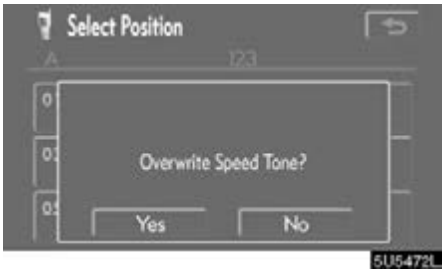
You can register the desired tone number. Up to 6 speed tone numbers can be registered.

1. Touch “Register” of “Speed Tone”.

2. Use the software keyboard to input the name.

3. Input the number and touch “OK”.

4. Touch the desired touch−screen button you want to register in.



If you select a touch−screen button you register before, this screen is displayed.

5. Touch “Yes” if you want to overwrite it.

- **Editing the speed tone**

You can edit the speed tone.

1. Touch “Edit” of “Speed Tone”.

2. Touch the touch−screen button you want to edit.

3. Use the software keyboard to input the name.

4. Input the number and touch “OK”.

- **Deleting the speed tone individually**

You can delete “1” to “6” of the speed tone.

If you delete them all at once, all of 6 numbers are deleted.

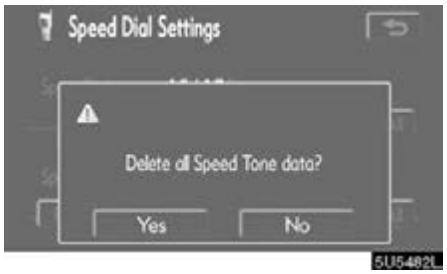
1. Touch “Delete” of “Speed Tone”.

2. Touch the touch−screen button you want to delete.

3. Touch “Yes”.

- **Deleting all the speed tone**

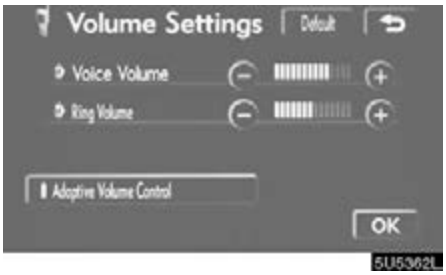
1. Touch “Delete All” of “Speed Tone”.



2. Touch “Yes”.

(c) Setting the volume

1. Touch “Volume” to display the “Volume Settings” screen.



2. Touch “–” or “+” to adjust the “Voice Volume” or “Ring Volume”.

“Voice Volume” . . . . . Adjusting the other party’s voice.

“Ring Volume” . . . . . Adjusting the ring volume.

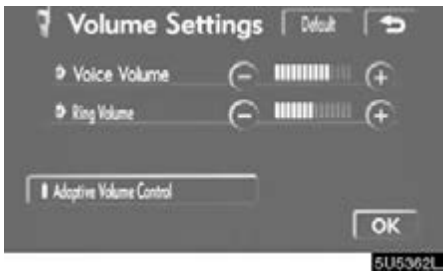
- **Automatic volume settings for high speed**

You can set the volume one step up when the speed is over 50 mph (80 km/h) . (When it is under 43 mph (70 km/h), previous volume is back.)

Each time you touch **“Adaptive Volume Control”**, you can switch on or off.

- **Initializing the settings**

You can initialize the settings.



Touch “Default”.

Touch “Yes”.

(d) Setting the screen

1. Touch “Screen” to display the “Screen Settings” screen.

2. Do the detail settings of the screen and touch “OK”.

- **Incoming call display**

You can select the method of the receiving call display.

Touch “Full” or “Icon”.

“Full” mode

. . . . . When a call is received, the Hands−free screen is displayed and you can operate it on the screen.

“Icon” mode

. . . . . The message is displayed on the upper side of the screen. You can only operate the steering switch.

- **Auto answer**

When a call is received, the display automatically changes to the talking screen and you can start to talk on the phone (without touching any button) after the preset time.

Touch “ON” of “Auto Answer” and “−” or “+” to adjust the waiting time of auto answer within 1 − 60 seconds.

- **The Bluetooth® connection status at startup**

When the "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode and the Bluetooth® is automatically connected, the connection check is displayed.

Touch "ON" or "OFF" of "Show Bluetooth* connection status at startup".

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

- **Initializing the settings**

You can initialize the settings.

Touch "Default".

Touch "Yes".

(e) Setting the phone book

You can register phone numbers in the phone book.

Touch “Phone Book” to display the “Phone Book Management” screen.

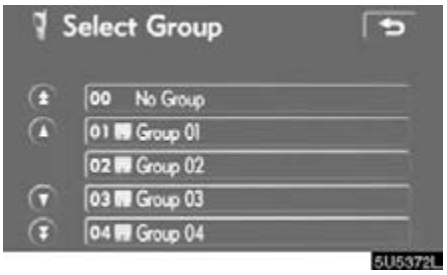
You can do the detail settings of phone book.

- **Transferring a telephone number**

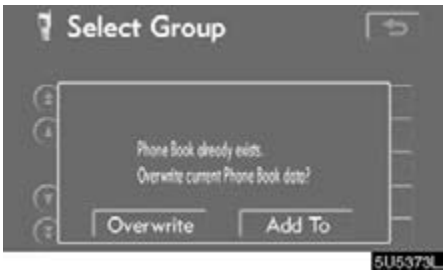
You can transfer the telephone numbers in your Bluetooth® phone to the system. Up to 1000 person’s data (up to 2 numbers a person) can be registered in the phone book.

Transfer it while the engine is running.

1. Touch “Transfer” to display the “Select Group” screen.



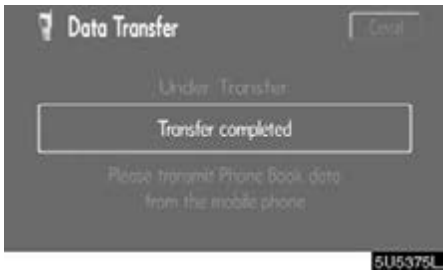
2. Select the group you want to transfer the data to.



3. Touch “Overwrite” or “Add To”.

4. Transfer the phone book data to the system using the Bluetooth® phone.

This screen appears while transferring. To cancel it, touch **"Cancel"**. If the transferring is interrupted on the way, the phone book data transferred until then can be memorized in the system.



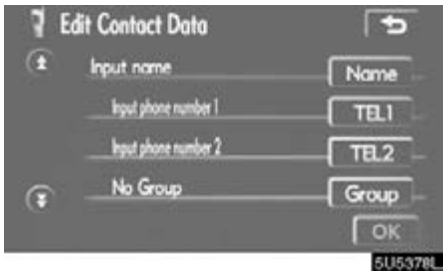
5. When this screen is displayed, the transfer is completed.

When this screen is displayed, try the transfer operation again.

- **Registering the phone book data**

You can register the phone book data.

1. Touch "Register" of "Phone Book".

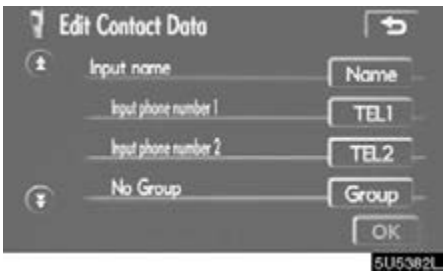


2. Touch the desired touch−screen button to edit the phone book.

3. When you complete the edit, touch "OK".

- **Editing the name**

When you don't input the name, the number is displayed.

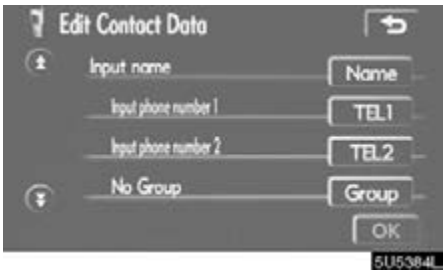


1. Touch "Name".

2. Use the software keyboard to input the name.

- **Editing the phone number**

You can register a phone number in "TEL1" and "TEL 2" separately. Up to 2 numbers a person can be registered.



1. Touch "TEL1" or "TEL2".

2. Input the number and touch "OK".

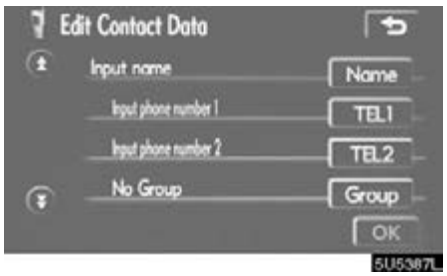
3. Select the desired icon.

- **Selecting the group**

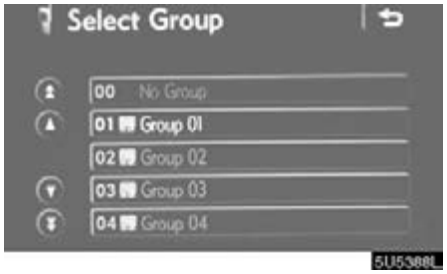
You can set a group for a contact (for example: “Family”, “Friends”, “Office”...). It will then be easier for you to find this contact when needed, by using the group display.

You can select “No group” or “Group 01” to “Group 19”.

“No Group” is displayed if you don’t set the group.



1. Touch “Group”.



2. Select the desired group.

- **Setting the voice recognition**

You can set the voice recognition. Up to 20 numbers can be registered for the voice recognition.

1. Touch “Voice Rec.”.

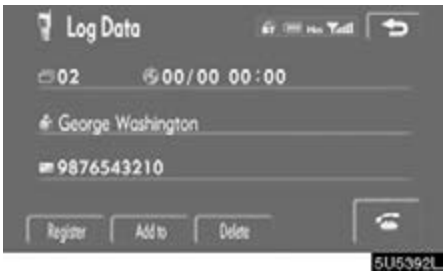
2. Select the phone number and touch “REC” to record a voicetag.

3. Touch “PLAY” to play the voicetag.

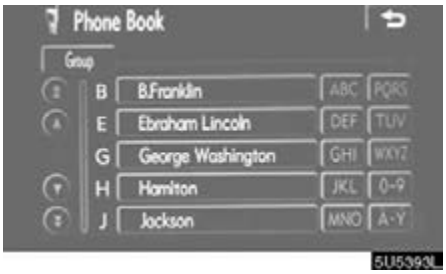
If you want to delete it, touch **“Delete”** and **“OK”**.

- **Adding the data to the phone book**

You can add data to the phone book.



1. Touch “Add to”.



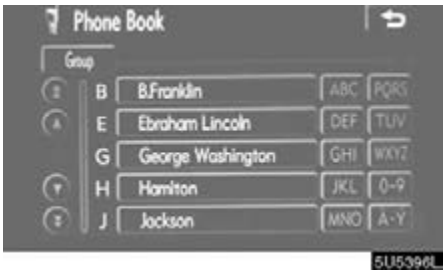
2. Select the data you want to add log data to.

3. Confirm the added data on the screen and touch “OK”.

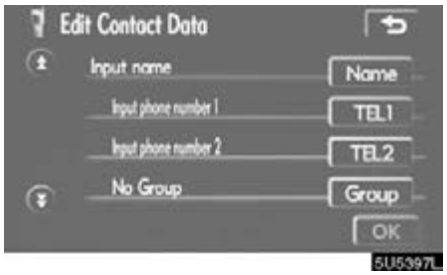
- **Editing the data**

You can edit the registered data.

1. Touch “Edit”.



2. Select the data you want to edit.



3. Touch the desired touch−screen button.

When you edit the data, touch **"OK"**.

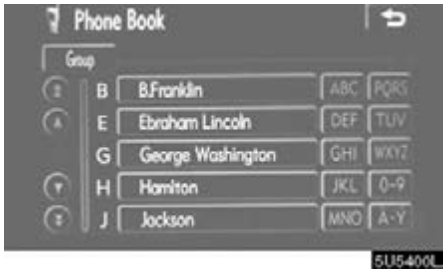
When you also touch "Edit" on this screen, you can edit it.

- **Deleting the data**

You can delete the data.

When you release your car, delete all your data on the system.

1. Touch "Delete" of "Phone Book".

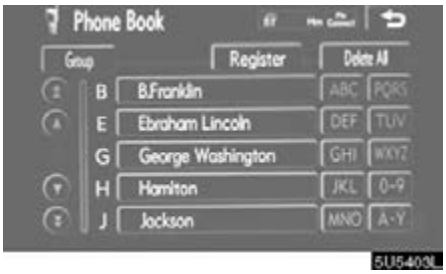


2. Touch the desired touch−screen button.

3. Touch "Yes".

You can also delete it in the following way.

1. Touch “Phone Book”.



2. Select the desired data.

3. Touch “Delete”.

4. Touch “Yes”.

- **Deleting all the phone data**

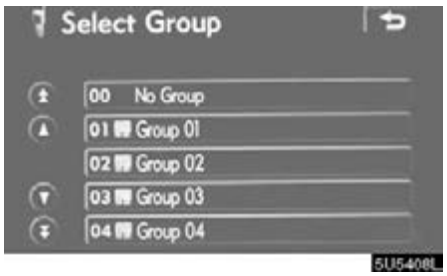
1. Touch “Delete All” of “Phone Book”.

2. Select the deleting method.

“Group Data”
. . . . . Deleting all the phone data in group.

“All Contact Data”
. . . . . Deleting all the phone data.

3. When you select “Group Data”, the “Select Group” screen is displayed.

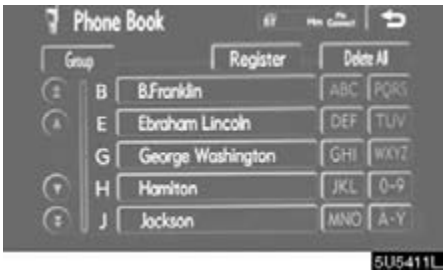


4. Select the desired group.

5. Touch “Yes”.

You can also delete it in the following way.

1. Touch “Phone Book”.



2. Touch “Delete All”.

3. Touch “Yes”.

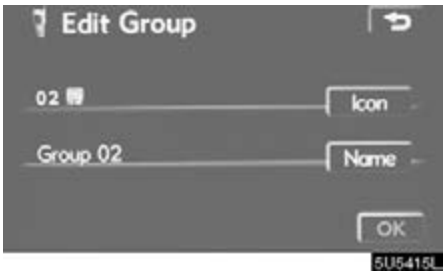
- **Registering a group name**

You can register 20 groups. “No Group”, “Group 01” − “Group 19” are registered by default.

You can change **“Group 01” − “Group 19”** into desired names.

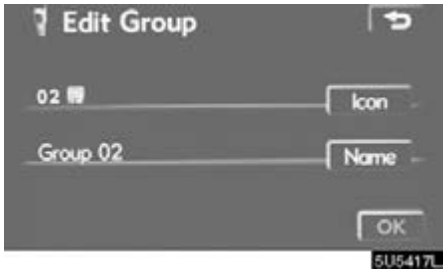
1. Touch “Register” of “Group Name”.

2. Select the group you want to register.



3. When you complete all the edit, touch “OK”.

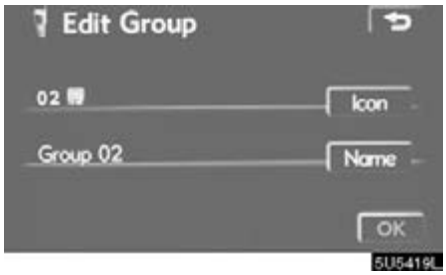
- **Selecting a group icon**



1. Touch “Icon”.

2. Select the desired icon.

- **Editing a group name**



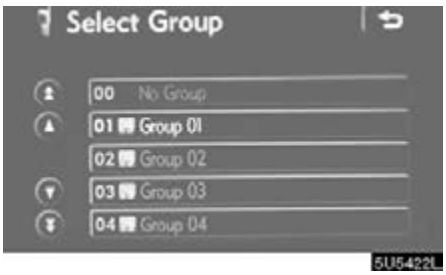
1. Touch “Name”.

2. Use the software keyboard to input the name.

- **Deleting a group name**

You can delete the group names individually or all at once. If you delete a group name, that group will return to the default setting (excluding “No Group”).

1. Touch “Delete” of “Group Name”.



2. Select the group you want to delete the name of.

3. Touch “Yes”.

- **Deleting all the group name**

1. Touch “Delete All” of “Group Name”.

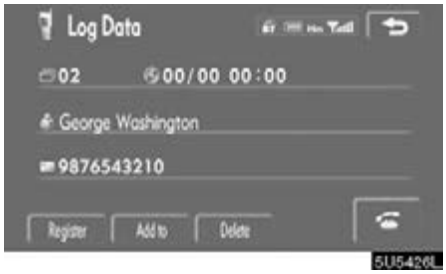
2. Touch “Yes”.

- **Deleting the log data**

You can delete the log data individually or all at once.

When you release your car, delete all the data on the system.

INDIVIDUALLY



1. Touch “Delete” on the “Log Data” screen.

2. Touch “Yes”.

ALL AT ONCE

1. Touch “Delete All” on the “Outgoing Calls” or “Incoming Calls” screen.

2. Touch “Yes”.

(f) Setting the security

When you set the security, you can prevent people from using some functions of the Hands−free system. It is useful when you leave your car with the hotel or you don't want others to see the data you registered.

When you set or unlock the security, you have to input the security code. Be sure to change the default code when you use the security for the first time.

● Changing the security code

The security code is 4 digits and the default is "0000".

Change a new code that is hard for other people to know.

When you change the security code, don't forget the code. The dealers cannot unlock the security when you forget it.

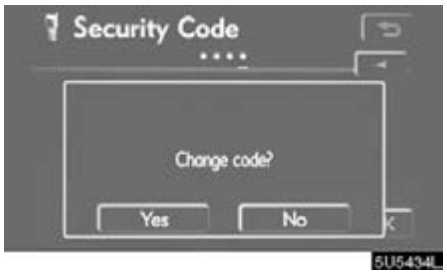
If you forget the security code, initialize your personal data. When you initialize it, not only the phone book data but also the memory points in the navigation system, etc. will be deleted. (See "● Initializing the security code" on page 167.)

1. **Touch "Phone Book Lock".**

2. **Touch "Change".**

3. Input the security code.

Each time you touch ◀, an input digit is deleted.



4. Touch “Yes”.

- **Phone Book Lock**

When you set the phone book lock, you can have the following functions locked.

- Display of the phone book screen and transferring, registering, editing, deleting the phone book data.
- Display of speed dial screen, registering, deleting the speed dial and speed dialing.
- Display of the other party’s name for calls being received or made.
- Display of dialed numbers screen and received calls screen, deleting dialed numbers and received numbers.
- Display of phone information screen.
- Changing the security code.

When you set this function, the speed dial screen is not displayed while driving.

1. Touch “ON”.

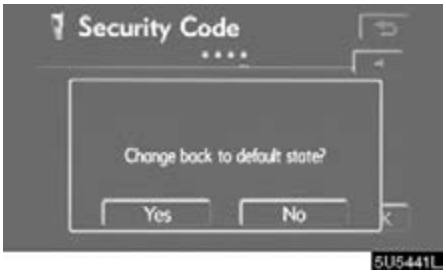
2. Input the security code and touch “OK”.

- **Initializing the security code**

You can initialize the settings.

1. Touch “Default”.

2. Input the security code and touch “OK”.



3. Touch “Yes”.

— Set a Bluetooth® phone

- **Selecting a Bluetooth® phone**

In case you register more than one Bluetooth® phone, you need to choose a favorite one.

1. Touch “Settings” to display the “Settings” screen.

2. Touch “Select Telephone” to display the “Select Telephone” screen.

You can select the Bluetooth® phone from a maximum of 6 numbers.

“Empty” is displayed when you have not registered a Bluetooth® phone yet.

Bluetooth® mark is displayed when you choose the phone.

Although you can register up to 6 Bluetooth® phones in the system, only one Bluetooth® phone can function at a time.

3. Touch “OK”.

When the result message is displayed, you can use the Bluetooth® phone.

When another Bluetooth® phone is trying to connect, this screen is displayed.

Touch “Yes” or “No”.

- **Displaying Bluetooth® information**

You can see or set the information of the Bluetooth® phone on the system.

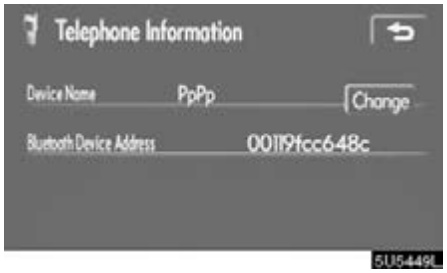
“Device Name”
. . . . . The name of Bluetooth® phone which is displayed on the screen. You can change it into a desired name.

“Bluetooth* Device Address”
. . . . . The address peculiar to the system. You cannot change it.

1. Select the desired phone and touch “Information”.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

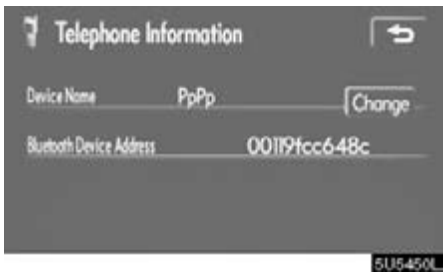
2. Touch “Change”.



3. When you complete the setting, touch .

- **Changing a device name**

You can change a device name. If you change a device name, the name registered in your cellular phone is not changed.



1. Touch “Change”.

2. Use the software keyboard to input the device name.

- **Changing the Bluetooth® settings**

You can change the display and settings of Bluetooth® information on the system.

The information displays the following items.

"Device Name"
. . . . . The name in the Bluetooth® network. You can change it.

"Passkey"
. . . . . The password when you register your cellular phone in the system. You can change it into the figure of 4–8 digits.

"Bluetooth* Device Address"
. . . . . The address peculiar to the system. You can not change it. If you have registered two Bluetooth® phones with the same Device Name or Passkey and you cannot distinguish one from the other, refer to it.

When you change the device name or Passkey, do the followings.

1. Touch "Bluetooth*".

2. Touch "Change" of "Device Name" or "Passkey".

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

3. Use the software keyboard to input the device name.

You can input up to 20 characters.

4. Input a Passkey with 4 − 8 digits.

When you touch ◀, the input number is deleted.

5. When you complete the setting, touch ⮌.

- **Initializing the Bluetooth® settings**

You can initialize the settings.

1. Touch “Default”.

2. Touch “Yes”.

- **Deleting a Bluetooth® phone**

1. Touch “Delete” of “Bluetooth* Telephone”.

2. Select the telephone you want to delete and touch “OK”.

3. Touch “Yes”.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

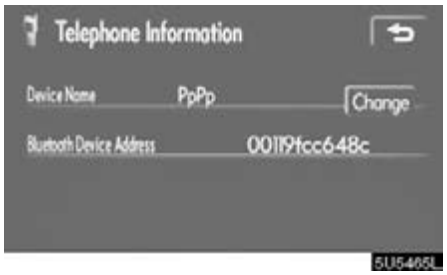
When you delete the telephone while another Bluetooth® phone is connecting, this message is displayed.

Touch “Yes”.

- **Displaying the information of the Bluetooth® phone you delete**

You can display the information of the Bluetooth® phone before you delete it and you can make sure whether the telephone you delete is correct or not.

1. Select the telephone you want to display the information about.



2. When you complete confirming it, touch **.**

Speech command system

The speech command system enables you to operate the navigation system, audio system, hands−free system and air conditioning system by giving a command.

1. Push the talk switch.

A beep sounds and on screen message is displayed with an indicator at the top left.

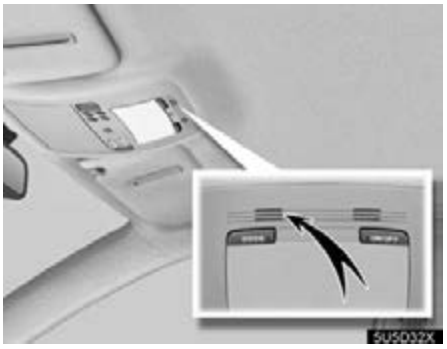
2. Give a command while an indicator is shown in the display.

If you want to check the command list, touch "Help" to display the help screen. (See "Help screen" on page 177.) When you touch "Cancel", the previous screen returns.

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

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

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



▶ Microphone

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

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

1. Push the talk switch.

2. Say *"Home"*.

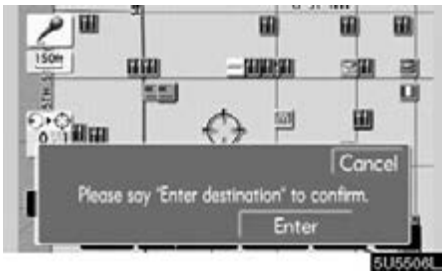
You can also say the street name or address.* (ex. say *"Woodridge Avenue"*.)

*: "Hawaii" or Hawaii area is not covered by the voice recognition.

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

3. If the system recognized the command, the recognition result "Home" is displayed on the top of the screen with the screen message. (Displayed message and the touch−screen buttons on the screen depend on the situation.)

Touch or say *"Cancel"*, and the system will be canceled. Touch or say *"Help"*, and displays the "Help" screen.



4. Touch "Enter" or say *"Enter destination"*, and the system starts searching for a route to your home. (If the destination is already registered, "Add to ⊙" or "Replace ⊙" is displayed on the screen.)

Touch or say *"Cancel"*, and the search will be canceled.

When you search the destination by "POI Name", this screen is displayed.

Touch **"Enter"** or say *"Enter destination"*.

When you touch **"Show List"**, you can search another spot in its category.

INFORMATION

In the following conditions, the system may not recognize the command properly and using speech commands may not be possible.

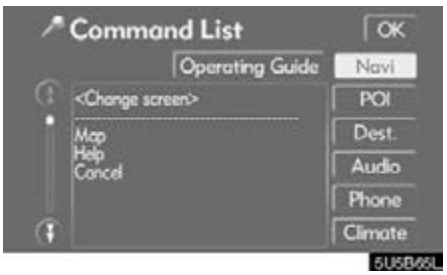
- ***The command is not correct or clear. Note that certain words, accents, or speech patterns may be difficult for the system to recognize.***
- ***There are some noises such as wind noise, etc.***

Help screen

This system has a function which displays the voice recognition help screen. You can see the command list and operating guide on it.

(a) Command list

1. If the "Operating Guide" screen is displayed, touch "Command List" on the upper side of the screen.



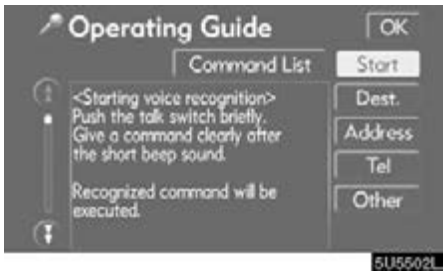
2. Select the desired category by touching the buttons on the right side of the "Command List" screen.

3. You can scroll through the list of the command list by touching or .

Touch **"OK"** after you check it.

(b) Operating guide

1. If the “Command List” screen is displayed, touch “Operating Guide” on the upper side of the screen.



2. Select the desired category by touching the buttons on the right side of the “Operating Guide” screen.

3. You can scroll through the list of the operating guide by touching or .

Touch **“OK”** after you check it.

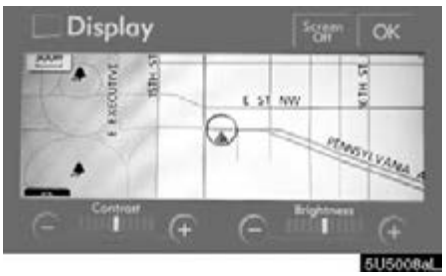
Screen adjustment

You can adjust the brightness, contrast, color and tone of the screen. You can also turn the display off, and change the screen to either day or night mode.

- **Contrast and brightness adjustment**

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

1. Push the “DISP” button.



2. Touch the desired button to adjust contrast and brightness.

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

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

“Brightness” “+”: Brightens the screen.

“Brightness” “–”: Darkens the screen.

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

The screen goes off when **"Screen Off"** is touched. 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**

The color and tone of the screen can be adjusted while a DVD video, DVD audio or video CD is being played.

1. Push the "DISP" button.

2. Touch the desired button to adjust color and tone.

"Color" "R": Strengthens the red color of the screen.

"Color" "G": Strengthens the green color of the screen.

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

"Tone" "–": Weakens the tone of the screen.

3. After adjusting the screen, touch "OK".

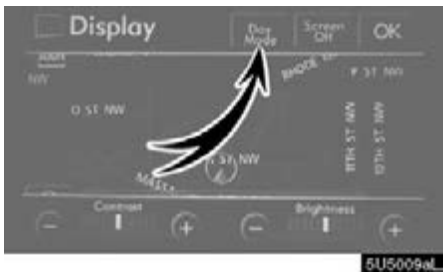
The screen turns off when **"Screen Off"** is touched. To turn the screen back on, push any button such as **"INFO"**, etc. The selected screen appears.

INFORMATION

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

- **Changing between day mode and night mode**

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



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

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

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

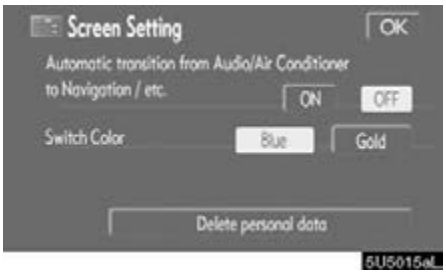
Screen setting

1. **Push the "INFO" button.**

2. **Touch "Screen Setting".**

(a) Automatic transition

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



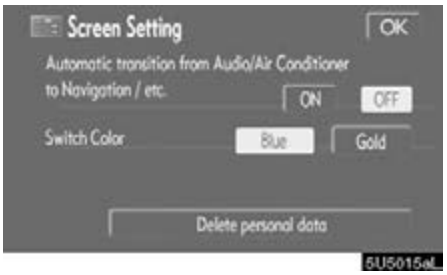
Select “ON” or “OFF” and then touch “OK”.

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

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

(b) Switch color

You can select the color of the touch–screen buttons.



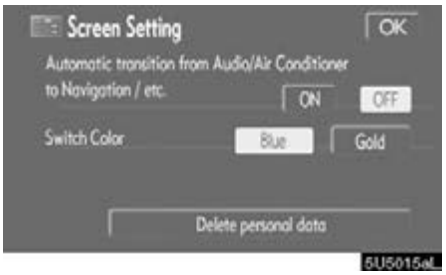
Select “Blue” or “Gold” and then touch “OK”.

(c) Delete personal data

The following personal data can be deleted or returned to their default settings:

- **Maintenance conditions**
- **Maintenance information “off” setting**
- **Memory points**
- **Areas to avoid**
- **Previous points**
- **Route trace**
- **User selection settings**
- **Phone book data**
- **Dialed numbers and received calls**
- **Speed dial**
- **Bluetooth® phone data**
- **Security code**

This function is available only when the vehicle is not moving.



1. Touch “Delete personal data”.

The “Delete personal data” screen appears.

2. Touch “Delete”.

The “Confirmation to delete all personal data” screen appears.

3. Touch “Yes”.

Beep setting

You can set a beep sound off.

1. Push the “INFO” button.

2. Touch “Beep Off”.

“Beep Off” is highlighted.

To switch the beep sound on, touch **“Beep Off”** again.

Selecting a language

The language of the touch–screen buttons, pop–up messages and the voice guidance can be changed.

1. Push the “INFO” button.

2. Touch “Language”.

3. Touch “English”, “Français” or “Español” to select a language.

If a screen other than for the navigation system is displayed, the current screen would change to the “CAUTION” screen by pushing the **“MAP/VOICE”**, **“DEST”** or **“MENU”** button.

4. Touch “OK”.

The language is changed and the screen returns to the map display.

SECTION 6

AUDIO/VIDEO SYSTEM

- Quick reference 186
- **Using your audio/video system** 187
  - Some basics 187
  - Radio operation 195
  - CD changer operation 206
  - DVD changer operation 219
- Audio/video remote controls 240
- Audio/video system operating hints 241

Quick reference

Operations such as selecting a preset station and adjusting the sound balance are carried out on the touch screen. To display the audio screen, push the **"AUDIO"** button.

▶ ***If a Mark Levinson brand audio system is installed, the "Mark Levinson" logo is shown on the panel.***

1 **Function button display screen**
Touch the buttons displayed on the screen to control the radio, CD changer or DVD changer. For details, see page 191.

2 **Disc slot**
Insert discs into the slot after pushing **"LOAD"** button. For details, see pages 206 and 220.

3 **"TUNE·FILE" knob**
Turn this knob to move up or down the station band or file. For details, see page 195 and 215.

4 **"CH/DISC" button**
Push **"∧"** or **"∨"** button to select a preset turning or a selected disc. For details, see pages 196, 208, 210, 222 and 223.

5 **"LOAD" button**
Push this button to insert the disc. For details, see pages 206 and 220.

6 **"SCAN" button**
Push this button to scan radio stations or scan the tracks on a compact disc. For details, see pages 196.

7 **“DISC·AUX” button**
Push this button to turn the CD changer, DVD changer or AUX on. For details, see pages 189, 194, 210, 211 and 223.

8 **“FM” button**
Push this button to choose an FM station. For details, see pages 190 and 195.

9 **“AM·SAT” button**
Push this button to choose either an AM or SAT station. For details, see pages 190, 195 and 200.

10 **“⏏” button**
Push this button to stop and eject the disc. For details, see pages 208 and 222.

11 **“SEEK/TRACK” button**
Push **“∧”** or **“∨”** button to seek up or down for a station, or to access a desired program, track, file or chapter. For details, see pages 196, 202, 211, 215, 228 and 237.

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 189.

13 **“AUDIO” button**
Push this button to display the audio control screen. For details, see pages 189, 211, 214, 225 and 236.

Using your audio/video system — — Some basics

This section describes some of the basic features on Lexus audio/video systems. Some information may not pertain to your system.

Your audio/video system works when the “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode.

NOTICE

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

⚠ 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.**

- **Speech command system**

By pushing the switch above, you can operate the speech command system.

For the operation of the speech command system and the list of commands, see pages 174 and 177.

- **Turning the system on and off**

“AUDIO”: Push this button to display touch−screen buttons for audio system (audio control mode).

“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.

You can select the function that enables automatic return to the previous screen from the audio screen. See “(a) Automatic transition” on page 181 for details.

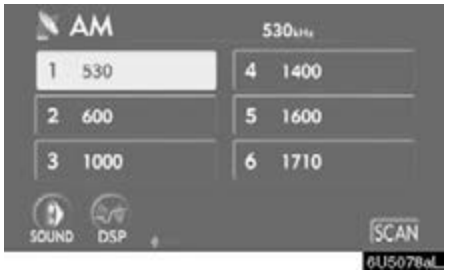
- **Switching between functions**

Push “AM·SAT”, “FM” or “DISC·AUX” 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 disc is not set, the CD changer or DVD changer does not turn on.

You can turn off the CD changer or DVD changer by ejecting the disc. If the audio system was previously off, then the entire audio system will be turned off when you eject the disc. If another function was previously playing, it will come on again.



The buttons for radio, CD changer and DVD changer operation are displayed on the function button display screen when the audio control mode is selected.

Touch them lightly and directly on the screen.

The selected button is highlighted.

INFORMATION

- ***If the system does not respond to a touch of a touch−screen button, move your finger away from the screen and then touch it again.***
- ***You cannot operate dimmed touch−screen buttons.***
- ***Wipe off fingerprints using a glass cleaning cloth. Do not use chemical cleaners to clean the touch screen.***

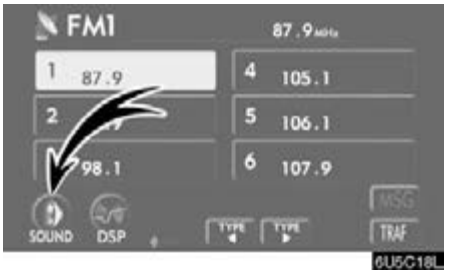
- **Tone and balance**

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 levels of treble, midrange, and bass.

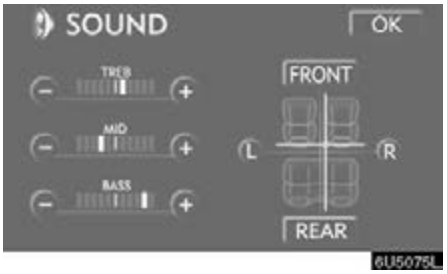
A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

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.

1. Push the “AUDIO” button.



2. Touch “SOUND”.



3. Touch the desired button.

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

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

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

"FRONT" or "REAR": Adjusts sound balance between the front and rear speakers.

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

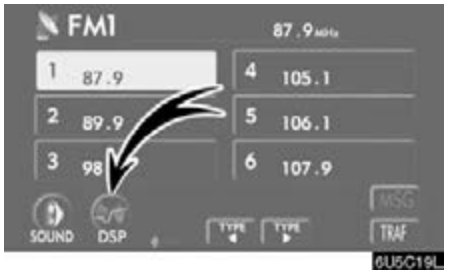
4. Touch "OK".

The tone of each mode (for such as AM, FM and DVD changer) can be adjusted.

- **DSP control**

You can change the listening position or turn on/off the surround function and the automatic sound levelizer.

1. Push the "AUDIO" button.



2. Touch "DSP".

▶ With CD changer

▶ With DVD changer

Surround function (DVD changer only):

Select “ON” of “SURROUND” and touch “OK”.

The surround function will turn on.

Automatic sound levelizer (ASL):
When the audio sound becomes difficult to hear due to road noise, wind noise or other noises while driving, touch **“ON”**. The system adjusts to the optimum volume and tone quality according to the noise level.

When the system is on, the sound adjustment level is displayed on the screen.

Positioning selector (CD changer only):
By selecting the listening position, the system controls the output timing of the speakers to allow sound to be heard evenly, creating the ideal music environment.

Touching **“CHANGE”** switches the position in the following order: all seats, driver’s seat, front seat, rear seat.

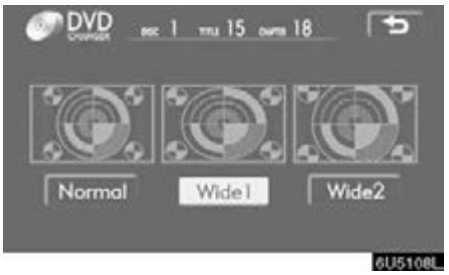
The position currently selected is displayed on the screen.

- **Selecting screen size**

The video screen can be changed from normal mode to wide mode.

1. Push the “AUDIO” button.

2. Touch “WIDE”.



“Normal”: When a 3 × 4 screen is displayed, the remaining parts will be in black.

“Wide 1”: When a 3 × 4 screen is displayed, the screen will be widened horizontally to fill the display.

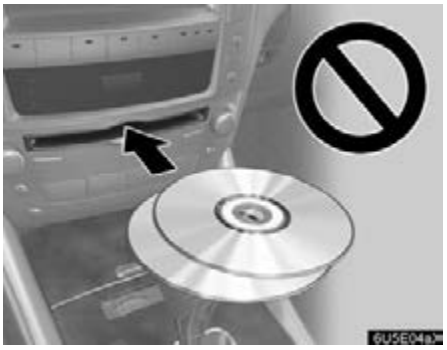
“Wide 2”: When a 3 × 4 screen is displayed, the screen will be widened vertically and horizontally, in the same ratio, to fill the display.
When a 9 × 16 screen is displayed, this mode should be selected.

When you touch , the previous screen returns.

- **Your CD or DVD changer**

Your CD or DVD changer can store up to 6 discs and play selected discs or continuously play all the discs load in the changer.

When you load discs into the changer, make sure their labels are facing up. If not, "CD × × Check" or "DISC × Check" will appear on the screen.



NOTICE

- ***Never try to disassemble or oil any part of the CD or DVD changer. Do not insert anything other than discs into the slot.***
- ***Do not insert a disc upon another one, or it will damage the CD or DVD changer. Insert only one disc into the slot at a time.***

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

- **AUX adapter**

The sound of portable audio players connected to the AUX adapter can be enjoyed. Push the **"DISC·AUX"** button to switch to AUX mode. For details, refer to the *"Owner's Manual"*.

— Radio operation

- **Listening to the radio**

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

"AM", "FM1" or "FM2" appears on the screen.

If your vehicle is equipped with a satellite radio broadcast system, when you push the "AM·SAT" button, "AM", "SAT1", "SAT2", "SAT3" station appears on the display. For details about satellite radio broadcast, see "— Radio operation (XM® Satellite Radio broadcast)" on page 199.

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.

- **Presetting a station**

1. Tune in the desired station.

2. Touch one of the channel selector buttons (1 — 6) you want and hold it until a beep is heard.

This sets the station to the touch–screen button and the frequency appears on the touch–screen button.

Each radio mode 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.

- **Selecting a station**

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

Preset tuning: Touch the channel selector button (1 — 6) or push the **"∧"** or **"∨"** button of **"CH/DISC"** for the station you want. The touch–screen button is highlighted and the station frequency appears on the screen.

Seek tuning: Push the **"∧"** or **"∨"** button of **"SEEK/TRACK"**. 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 **"SCAN"** 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 **"SCAN"** or push the **"SCAN"** button again.

To scan the preset stations: Touch **"SCAN"** 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 **"SCAN"** or push the **"SCAN"** button again.

- **RDS (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
— select only stations of a particular program type,
— display messages from radio stations,
— search for a stronger signal station.

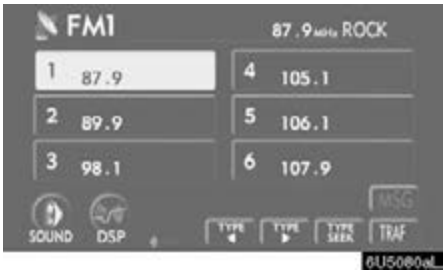
RDS features are available for use only on FM stations which broadcast RDS information.

If the system receives no RDS stations, “NO PTY” appears on the display.

“TYPE ◀ ▶”

Each time you touch **“TYPE ◀”** or **“TYPE ▶”**, 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
- ALARM (Emergency message)



"TYPE SEEK"

When a program is set, "TYPE SEEK" appears. Touch this button 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)

If the system receives a radio text from an RDS station, "MSG" appears on the display. Touch **"MSG"**, and a text message is displayed on the screen. This function is available only when the vehicle is not moving.

When you touch **"MSG OFF"**, the display returns.

- **Traffic announcement**

“TRAF”

The tuner automatically seeks a station that regularly broadcasts traffic information.

When you touch **“TRAF”**, “TRAF SEEK” appears on the display, and the radio will start seeking any station broadcasting traffic program information.

If no traffic program station is found, “NOTHING” appears on the display.

Traffic information may not be broadcasted when searching.

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

— Radio operation (XM® Satellite Radio broadcast)

To listen to a satellite radio broadcast in your vehicle, an additional genuine Lexus satellite receiver and antenna must be purchased and installed, and the subscription to the XM® Satellite Radio is necessary.

- **How to subscribe to an XM® Satellite Radio**

An XM® Satellite Radio is a tuner designed exclusively to receive broadcasts provided under a separate subscription. Availability is limited to the 48 contiguous U.S. states and 10 Canadian provinces.

How to subscribe:

You must enter into a separate service agreement with the XM® Satellite Radio in order to receive satellite broadcast programming in the vehicle. Additional activation and service subscription fees apply that are not included in the purchase price of the vehicle and optional digital satellite tuner.

For detailed information about XM® Satellite Radio or to subscribe:

U.S.A.—

Visit on the web at www.xmradio.com or call 1−877−515−3987.

Canada—

Visit on the web at www.xmradio.ca or call 1−877−438−9677.

The XM® Satellite Radio is solely responsible for the quality, availability and content of the satellite radio services provided, which are subject to the terms and conditions of the XM® Satellite Radio customer service agreement.

Customers should have their radio ID ready; the radio ID can be found by selecting “channel 000” on the radio. For details, see the “Displaying the radio ID” that follows.

All fees and programming are the responsibility of the XM® Satellite Radio and are subject to change.

Satellite tuner technology notice: Lexus's satellite radio tuners are awarded Type Approval Certificates from XM® Satellite Radio Inc. as proof of compatibility with the services offered by the XM® Satellite Radio.

- **Displaying the radio ID**

Each XM® tuner is identified with a unique radio ID. You will need the radio ID when activating XM® service or when reporting a problem.

If you select the "CH 000" using the **"TUNE"** knob, the ID code of 8 alphanumeric characters appears. If you select another channel, display of the ID code is canceled. The channel (000) alternates the display between the radio ID and the specific radio ID code.

- **Listening to satellite radio**

Push the "AM·SAT" button to choose either an AM station or a SAT (satellite) channel.

Besides "AM", "SAT1", "SAT2" or "SAT3" appears on the display.

Turn this knob to select the next or previous channel.

If you turn continuously, you can rapidly scroll forward or down through the channels.

- **Channel category**

Touch either **"TYPE◀"** or **"TYPE▶"** to go to the next or previous category.

- **Presetting a channel**

1. Tune in the desired channel.

2. Touch one of the channel selector buttons (1 — 6) and hold it until a beep is heard.

This sets the channel to the touch−screen button and the name and number of the channel appears on the touch−screen button.

Each touch−screen button can store three SAT channels. To change the preset channel to a different one, follow the same procedure.

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

- **Selecting a channel**

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

Preset tuning: Touch the channel selector button (1 — 6) for the channel you want. The button (1 — 6) is highlighted and channel number appears on the display.

To select channel within the current category: Push the **"∧"** or **"∨"** button of "SEEK/TRACK".

To scan the currently selected channel category: Touch **"TYPE SCAN"** or push the **"SCAN"** button briefly. "SCAN" appears on the display. The radio will find the next channel in the same channel category, stay there for a few seconds, and then scan again. To select a channel, touch **"TYPE SCAN"** or push the **"SCAN"** button a second time.

To scan the preset channels: Push the **"SCAN"** button and hold it until you hear a beep. "P.SCAN" appears on the display. The radio will find the next preset channel, stay there for a few seconds, and then move to the next preset channel. To select a channel, push the **"SCAN"** button a second time.

- **Displaying the title and name**

When you touch **"TEXT"**, the song/program title and the artist name/feature are displayed.

Up to 16 alphanumeric characters can be displayed. (Some information will not be fully displayed.)

When you touch **"TEXT"** again, the display returns.

- **If the satellite radio tuner malfunctions**

When problems occur with the XM® tuner, a message will appear on the display. Referring to the table below to identify the problem, take the suggested corrective action.

ANTENNA	The XM® antenna is not connected. Check whether the XM® antenna cable is attached securely.
	A short circuit occurs in the antenna or the surrounding antenna cable. See a Lexus certified dealer for assistance.
UPDATING	You have not subscribed to the XM® Satellite Radio. The radio is being updated with the latest encryption code. Contact the XM® Satellite Radio for subscription information. When a contact is canceled, you can choose the “CH000” and all free−to−air channels.
	The premium channel you selected is not authorized. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel. If you want to listen to the premium channel, contact the XM® Satellite Radio.
NO SIGNAL	The XM® signal is too weak at the current location. Wait until your vehicle reaches a location with a stronger signal.
LOADING	The unit is acquiring audio or program information. Wait until the unit has received the information.
OFF AIR	The channel you selected is not broadcasting any programming. Select another channel.
−−−−−	There is no song/program title or artist name/feature associated with the channel at that time. No action needed.
−−−	The channel you selected is no longer available. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel.

Contact the XM® Listener Care Center at 1−877−515−3987 (U.S.A.) or 1−877−438−9677 (Canada).

NOTICE

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.

— Increase the separation between the equipment and receiver.

— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

— Consult the dealer or an experienced radio/TV technician for help.

Information to user

Alternation or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

INFORMATION

This XM® tuner supports "Audio Services" (Music and Talk) of only XM® Satellite Radio and "Text Information"* linked to the respective "Audio Services".

****Text Information includes, Station Name, (Artist) Name, (Song) Title and Category Name.***

— CD changer operation

The CD changer can play audio CDs, CD text, WMA discs, MP3 discs.

- Audio CD, CD text 211
- MP3/WMA disc 214

For appropriate discs for this changer, see “Audio/video system operating hints” on page 241.

(a) Inserting or ejecting discs

The “ENGINE START STOP” switch must be in ACCESSORY or IGNITION ON mode.

Your CD changer can store up to 6 discs.

- **Setting a single disc:**

1. Push the “LOAD” button briefly.

The orange indicators at both ends of the slot start blinking. After the orange indicators change to green and stay on, the CD changer door will open.

2. Insert only one disc while the CD changer door is open.

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

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 screen.

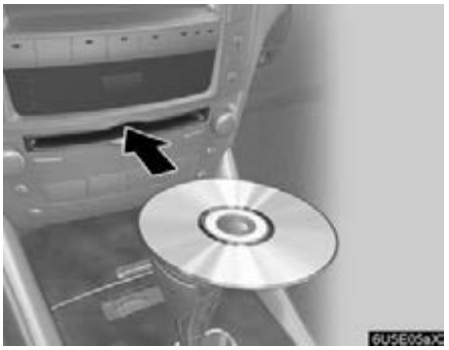
If you do not insert the disc within 15 seconds after pushing the **"LOAD"** button, a beep will sound and the operation will be canceled automatically.

If you need to insert the next disc, repeat the same procedure to insert another disc.

- **Setting all the discs:**

1. Push the "LOAD" button until you hear a beep.

The orange indicators at both ends of the slot start blinking. After the orange indicators change to green and stay on, the CD changer door will open.



2. Insert only one disc while the CD changer door is open.

The CD changer door closes and the orange indicators start blinking.

3. Insert the next disc after the orange indicators change to green and stay on and the CD changer door opens.

4. Repeat this procedure until you insert all the discs.

To cancel the operation, push the **"LOAD"** button briefly.

If you do not insert the discs within 15 seconds after pushing the **"LOAD"** button, the beep will sound and 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 changer.

- **Ejecting a single alone:**

1. Push the "∧" or "∨" button of "CH/DISC" or touch the disc number button on the screen to highlight the disc number you want to eject.

2. Push the ⏏ button for the disc briefly.

At this time, the orange indicators of the slot start blinking and the disc is ejected.

3. After the blinking indicators stay on, remove the disc.

- **Ejecting all the discs:**

1. Push the ⏏ button for the disc until you hear a beep.

At this time, the orange indicators of the slot start blinking and a disc is ejected.

2. After the blinking indicators stay on, remove the disc.

The indicators start blinking again and the next disc is ejected.

If you do not remove the disc within 15 seconds after it is ejected, the beep will sound and the operation will be canceled automatically.

When all the discs are removed, the indicators go out.

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

(b) Playing a disc

Push the **"DISC·AUX"** button if the disc are already loaded in the CD changer.

The "CD CHANGER" screen will be displayed.

The discs set in the CD changer are played continuously, starting with the last disc you inserted. The disc number of the disc currently being played, the track or title and chapter number and the time from the beginning of the program are shown on the display.

Audio CD only —

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

The changer will skip any empty disc trays.

(c) Selecting a desired disc

On the screen:

Touch the desired disc number.

The selected disc number is highlighted.

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

On the audio panel:

Push the "∧" or "∨" button of "CH/DISC".

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

(d) Operating an audio CD

- **Playing an audio CD**

Push the "AUDIO" button to display this screen.

You can operate the touch−screen buttons and choose the number of the disc you want to play. The selected disc is automatically played.

- **Selecting a desired track**

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

Push the **"∧"** or **"∨"** button of **"SEEK/TRACK"** and repeat it until the desired track number appears on the screen. As you release the button, the changer will start playing the selected track from the beginning.

"TRACK LIST": The desired track can be selected from a list. This function is available only when the vehicle is not moving.

Touch **"TRACK LIST"**. The track list is displayed.

Touch the desired track number. The changer will start playing the selected track from the beginning.

: By touching this button, the list moves up by 6 track groups. If this button is touched when the top page of the list is displayed, the last page is displayed.

: By touching this button, the list moves down by 6 track groups. If this button is touched when the last page of the list is displayed, the top page is displayed.

Fast forward: Push the **"∧"** button of **"SEEK/TRACK"** and hold it to fast forward the disc. When you release the button, the changer will resume playing from that position.

Reverse: Push the **"∨"** button of **"SEEK/TRACK"** and hold it to reverse the disc. When you release the button, the changer will resume playing.

- **Searching for a desired track or a disc**

Searching for a desired track —

While the disc is playing, touch "SCAN" briefly.

"SCAN" appears on the screen. The changer will play the next track for 10 seconds, then scan again. To select a track, touch **"SCAN"** once again. If the changer 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.

Searching for a desired disc —

While the disc is playing, touch "SCAN" and hold it until the "D.SCAN" appears on the screen.

The program at the beginning of each audio disc will be played for 10 seconds. To continue listening to the program of your choice, touch **"SCAN"** once again.

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

- **Other functions**

"RPT": Use it for automatic repeat of the track or disc you are currently listening to.

Repeating a track —

While the track is playing, touch "RPT" briefly.

"RPT" appears on the screen. When the track is finished, the changer will automatically go back to the beginning of the track and play the track again. To cancel it, touch **"RPT"** once again.

Repeating a disc —

While the disc is playing, touch "RPT" and hold it until the "D.RPT" appears on the screen.

When the disc is finished, the changer will automatically go back to the beginning of the disc and play the disc again. To cancel it, touch **"RPT"** once again.

"RAND": Use it for automatic and random selection.

Playing the tracks on one disc in random order —

While the disc is playing, touch "RAND" briefly.

"RAND" appears on the screen. The system selects a track on the disc being listened to in random order. To cancel it, touch **"RAND"** once again.

Playing the tracks on all the audio discs in random order —

While the disc is playing, touch "RAND" and hold it until the "D.RAND" appears on the screen.

The system selects a track on all the audio discs in the changer in random order. To cancel it, touch **"RAND"** once again.

If a CD−TEXT disc is inserted, the title of the disc and track will be displayed. Up to 16 letters can be displayed.

(e) Operating a MP3/WMA disc

- **Playing a MP3/WMA disc**

Push the "AUDIO" button and touch a MP3/WMA disc number to display this screen.

You can operate the touch–screen buttons and choose the number of the disc you want to play. The selected disc is automatically played.

- **Selecting a desired folder**

"FOLDER▲": Touch this button to go to the next folder.

"FOLDER▼": Touch this button to go to the previous folder.

"FOLDER LIST": The desired folder can be selected in a list. This function is available only when the vehicle is not moving.

Touch **"FOLDER LIST"**. The folder list is displayed.

Touch the desired folder number. The changer will start playing the first file of the selected folder.

: By touching this button, the list moves up by 6 folder groups. If this button is touched when the top page of the list is displayed, the last page is displayed.

: By touching this button, the list moves down by 6 folder groups. If this button is touched when the last page of the list is displayed, the top page is displayed.

"FILE": The file list is displayed.

"DETAIL": Details of the file currently playing is displayed. This function is available only when the vehicle is not moving.

- **Selecting a desired file**

"SEEK/TRACK" button: Use for direct access to a desired file.

Push the **"∧"** or **"∨"** button of **"SEEK/TRACK"** and repeat it until the desired file number appears on the display. As you release the button, the changer will start playing the selected file from the beginning. When "RAND" or "FLD.RPT" is on, the file number within the folder you are currently being listened to appears.

Fast forward: Push the **"∧"** button of **"SEEK/TRACK"** and hold it to fast forward the disc. When you release the switch, the changer will resume playing from that position.

Reverse: Push the **"∨"** button of **"SEEK/TRACK"** and hold it to reverse the disc. When you release the button, the changer will resume playing.

"TUNE·FILE" knob: Use for direct access to a desired file in the disc.

Turn the **"TUNE·FILE"** knob to step up or down all the files in the disc you are currently listening to. The file number appears on the display. When "RAND" or "FLD.RPT" is on, all the files in the folder you are currently being listened to can be stepped up or down.

"FILE": The desired file can be selected in a list. This function is available only when the vehicle is not moving.

Touch **"FILE"**. The file list is displayed.

Touch the desired file number. The changer will start playing the selected file from the beginning.

: By touching this button, the list moves up by 6 file groups. If this button is touched when the top page of the list is displayed, the last page is displayed.

: By touching this button, the list moves down by 6 file groups. If this button is touched when the last page of the list is displayed, the top page is displayed.

"FOLDER": The folder list is displayed.

"DETAIL": Details of the file currently playing is displayed. This function is available only when the vehicle is not moving.

- **Searching for a desired file**

While the disc is playing, touch "SCAN" briefly.

"SCAN" appears on the screen. The changer will play the next file in the folder for 10 seconds, then scan again. To select a file, touch **"SCAN"** once again. If the changer reaches the end of the folder, it will continue scanning from file 1.

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

- **Searching for a desired folder**

While the disc is playing, touch "SCAN" and hold it until the "FLD.SCAN" appears on the screen.

The program at the beginning of each folder will be played for 10 seconds. To continue listening to the program of your choice, touch **"SCAN"** once again.

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

- **Other functions**

"RPT": Use it for automatic repeat of the file or folder you are currently listening to.

Repeating a file —

While the file is playing, touch"RPT" briefly.

"RPT" appears on the screen. When the file is finished, the changer will automatically go back to the beginning of the file and play the file again. To cancel it, touch **"RPT"** once again.

Repeating a folder —

While the folder is playing, touch "RPT" and hold it until the "FLD.RPT" appears on the screen.

When the folder is finished, the changer will automatically go back to the beginning of the folder and play the folder again. To cancel it, touch **"RPT"** once again.

"RAND": Use it for automatic and random selection of the folder or the disc which you are currently listening to.

Playing the files in one folder in random order —

While the disc is playing, touch "RAND" briefly.

"RAND" appears on the screen. The system selects a file in the folder you are currently listening to. To cancel it, touch **"RAND"** once again.

Playing the files in all the folders on one disc in random order —

While the disc is playing, touch "RAND" and hold it until the "FLD.RAND" appears on the screen.

The system selects a file in all the folders. To cancel it, touch the button once again.

When a file is skipped or the system is inoperative, touch **"RAND"** to reset.

(f) If the player malfunctions

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

If "No CD" appears on the display: It indicates that there is no disc in the CD changer.

If "CD × × 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, "CD × × Check" will also appear on the screen. For appropriate discs for this player, see "Audio/video system operating hints" on page 241.

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 "NO MUSIC FILE" appears on the display: It indicates that the disc has no playable data.

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

If an MP3/WMA disc contains CD−DA files, only CD−DA files are played. If an MP3/WMA disc contains files other than CD−DA, only MP3/WMA files are played.

— DVD changer operation

The DVD changer can play audio CDs, video CDs, CD text, WMA discs, MP3 discs, DVD video discs and DVD audio discs.

- Audio CD, CD text 211
- MP3/WMA disc 214
- DVD video, DVD audio 224
- Video CD 236

For appropriate discs for this changer, see "Audio/video system operating hints" on page 241.

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

(a) Inserting or ejecting discs

The “ENGINE START STOP” switch must be in ACCESSORY or IGNITION ON mode.

Your DVD changer can store up to 6 discs.

- **Setting a single disc:**

1. Push the “LOAD” button briefly.

The orange indicators at both ends of the slot start blinking. After the orange indicators change to green and stay on, the DVD changer door will open.

2. Insert only one disc while the DVD changer door is open.

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

After insertion, the set disc is automatically loaded.

If the label faces down, the disc cannot be played. In this case, “DISC × Check” appears on the screen.

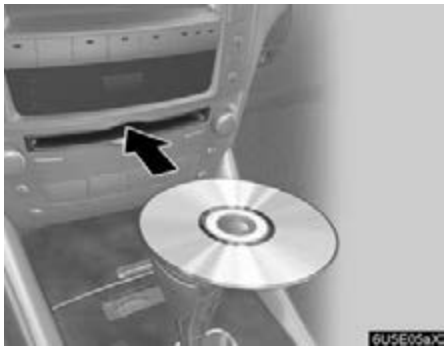
If you do not insert the disc within 15 seconds after pushing the **“LOAD”** button, the beep will sound and the operation will be canceled automatically.

If you need to insert the next disc, repeat the same procedure to insert another disc.

- **Setting all the discs:**

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

The orange indicators at both ends of the slot start blinking. After the orange indicators change to green and stay on, the DVD changer door will open.



2. Insert only one disc while the DVD changer door is open.

The DVD changer door closes and the orange indicators start blinking.

3. Insert the next disc after the orange indicators change to green and stay on and the DVD changer door opens.

4. Repeat this procedure until you insert all the discs.

To cancel the operation, push the **“LOAD”** button briefly.

If you do not insert the discs within 15 seconds after pushing the **“LOAD”** button, beep will sound and 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 changer.

- **Ejecting a single alone:**

1. Push the "∧" or "∨" button of "CH/DISC" or touch the disc number button on the screen to highlight the disc number you want to eject.

2. Push the ⏏ button for the disc briefly.

At this time, the orange indicators of the slot start blinking and the disc is ejected.

3. After the blinking indicators stay on, remove the disc.

- **Ejecting all the discs:**

1. Push the ⏏ button for the disc until you hear a beep.

At this time, the orange indicators of the slot start blinking and a disc is ejected.

2. After the blinking indicators stay on, remove the disc.

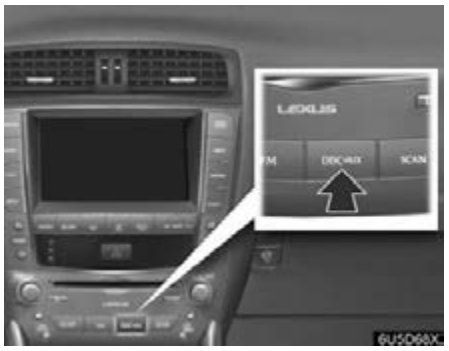
The indicators start blinking again and the next disc is ejected.

If you do not remove the disc within 15 seconds after it is ejected, the beep will sound and the operation will be canceled automatically.

When all the discs are removed, the indicators go out.

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

(b) Playing a disc



Push the **"DISC·AUX"** button if discs are already loaded in the DVD changer.

The "DVD CHANGER" screen will be displayed.

The discs set in the DVD changer are played continuously, starting with the last disc you inserted. The disc number of the disc currently being played, the track or title and chapter number and the time from the beginning of the program are shown on the display.

Audio CD only —

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

The changer will skip any empty disc trays.

(c) Selecting a desired disc

On the screen:

Touch the desired disc number.

The selected disc number is highlighted.

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

On the panel:

Push the "∧" or "∨" button of "CH/DISC".

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

(d) Operating a DVD disc

NOTE: The playback condition of some DVD discs may be determined by a DVD software producer. This DVD changer plays a disc as the software producer intended. So some functions may not work properly. Be sure to read the instruction manual for the DVD disc separately provided. For the detailed information about DVD video discs, see "(g) DVD player and DVD video disc information" on page 238.

- **Precautions on DVD video disc**

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

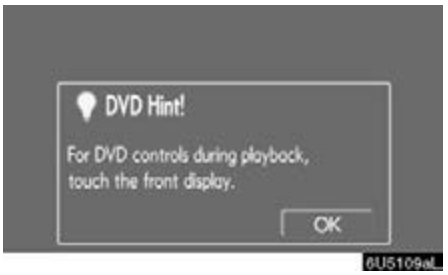
When playback of a disc is completed:

- If an audio CD or MP3/WMA disc is playing, the first track or file starts.
- If a DVD video or video CD is playing, playback will stop or the menu screen will be displayed.

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

⚠ 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 the "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode.

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

- **Playing a DVD disc**

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

When you touch **"WIDE"**, the screen mode can be changed.

It you touch **"PICTURE"** when the vehicle is completely stopped and the parking brake is applied, the video screen returns.

- **Displaying DVD controls**

▶ **DVD video**

6U5112aL

6U5113aL

▶ DVD audio

If you touch a part of the screen, where controls are not located while 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": 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 controls**

TOP PAGE OF DVD VIDEO CONTROLS

"Menu" and "Top Menu": If you touch either button, 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 227.)

: Touching this will pause the video screen.

: Touching this will fast reverse.

: Touching this will stop the DVD video disc.

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

: Touch this button to fast forward during the playback. During pause, touch this button briefly to advance frame by frame, or touch and hold it to play slowly.

SECOND PAGE OF DVD VIDEO CONTROLS

"Setup": The initial setup screen appears. (See page 232.)

"Select Number": The track or number search screen appears. (See page 237.)

"Search": The title search screen appears. (See page 228.)

"Return": Touching this will display the predetermined scene and start playing from there.

"AUDIO": The audio changing screen appears. (See page 230.)

"Subtitle": The subtitle changing screen appears. (See page 230.)

"Angle": The angle selection screen appears. (See page 231.)

TOP PAGE OF DVD AUDIO CONTROLS

"Top Menu": If you touch this button, 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 231.)

: The menu control key appears on the screen. (See page 227.)

: Touch this button to pause the disc.

: Touching this will fast reverse.

: Touching this will stop the disc.

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

: Touch this button to fast forward during the playback. During pause, touch this button briefly to advance frame by frame, or touch and hold it to play slowly.

SECOND PAGE OF DVD AUDIO CONTROLS

"Setup": The initial setup screen appears. (See page 232.)

"Search": The group search screen appears. (See page 228.)

"Return": Touching this will display the predetermined scene and start playing from there.

"Prev. Still": Touch this button to reverse the still pictures. (See page 229.)

"Next Still": Touch this button to forward the still pictures. (See page 229.)

"Subtitle": The subtitle changing screen appears. (See page 230.)

"Angle": The angle selection screen appears. (See page 231.)

- **Selecting a menu item**

Enter the menu item using ▲, ▶, ▼ and ◀ buttons and touch "Enter".

The player starts playing video for that menu item. (For details, see the manual that comes with the DVD video disc provided separately.)

Each 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"**.

When you touch , the previous screen returns.

- **Searching by title**

DVD video only —

Enter the title number and touch "Enter".

The player starts playing video for that title number.

When you push the **"∧"** or **"∨"** button of **"SEEK/TRACK"**, you can select a chapter.

If you enter the wrong numbers, touch **"Clear"** to delete the numbers.

When you touch , the previous screen returns.

- **Searching by group**

DVD audio only —

Enter the group number and touch "Enter".

The selected group number will appear on the screen.

The player starts playing the disc from the entered group number.

When you push the **"∧"** or **"∨"** button of **"SEEK/TRACK"**, you can select a track.

If you enter the wrong numbers, touch **"Clear"** to delete the numbers.

When you touch , the previous screen returns.

- **Selecting the bonus group**

DVD audio only —

Enter the bonus group number on the searching group screen and touch "Enter".

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, touch ◀ to delete the number.

Touch "Enter" on the screen.

The player starts playing the disc from the selected bonus group number.

- **Changing the still picture**

DVD audio only —

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

- **Changing the subtitle language**

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

To turn off the subtitle, touch “Hide”.

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

- **Setup menu**

The initial setting can be changed.

After you change the initial setting, touch **"Enter"**. The previous picture will be displayed.

When **"Default"** is touched, all menus are initialized.

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 **"Other"** and enter a language code. For the entry of language code, see page 233.

SUBTITLE LANGUAGE

You can change the subtitle language.

1. Touch "Subtitle Language".

2. Touch a language you want to read on the "Select Subtitle Language" screen.

If you cannot find the language you want to read on this screen, touch **"Other"** and enter a language code. For the entry of language code, see page 233.

To return to the "Setup Menu" screen, touch .

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 "DVD Language" screen.

If you cannot find the language you want to read on this screen, touch **"Other"** and enter a language code. For the entry of language code, see page 233.

To return to the "Setup Menu" screen, touch .

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.

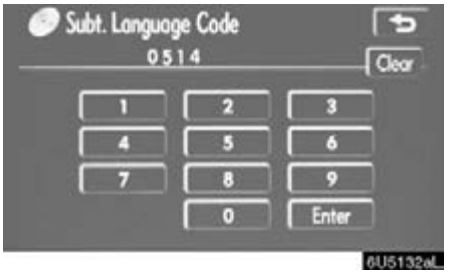
If you enter the wrong numbers, touch **"Clear"** to delete the numbers.

10 touches of **"Clear"** will initialized the personal code.

3. Touch a parental level (1 — 8) on the "Restriction Level".

To return to the "Setup Menu" screen, touch .

- **Enter subtitle language code**



If you touch **"Other"** on the "Select Audio Language" screen, "Select Subtitle Language" screen or "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	Czech
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

(e) Operating a video CD

- **Playing a video CD**

Push the "AUDIO" button to display this screen.

When you touch **"WIDE"**, the screen mode can be changed.

It you touch **"PICTURE"** when the vehicle is completely stopped and the parking brake is applied, the video screen returns.

- **Displaying operation buttons**

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

">Page2": Use this button to display the operation buttons on the second page.

"<Page1": Use this button to display the operation buttons on the top page.

"Hide Buttons": Use this button to turn off the operation buttons from the display.

If **"⃠"** appears on the display when you touch the button, the operation is not permitted.

- **Description of each button**

BUTTONS ON TOP PAGE

"Select Number": The track or number search screen appears. (See page 237.)

"Return": Touching this will display the predetermined scene and start playing from there.

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

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

"Main/Sub": A multiplex transmission changing button. The mode changes from Main/Sub to Main, to Sub and back to Main/Sub by touching this button.

BUTTONS ON SECOND PAGE

: Use this button to pause the video screen.

: Touch this button to fast reverse during playback.

: Touch this button during pause to resume playing.

: Touch this button to fast forward during the playback. During pause, touch this button briefly to advance frame by frame, or touch and hold it to play slowly.

- **Searching by track**

Enter the track numbers on the searching track screen and touch "Enter".

The player starts playing video for that title number.

You can select a track number by pushing the **"∧"** or **"∨"** button of **"SEEK/ TRACK"**.

Touch , and the previous screen returns.

(f) If the player malfunctions

If the player or another unit equipped with the player malfunction, your audio/video system will display following messages.

If "No Disc" appears on the display: It indicates that there is no disc in the DVD changer.

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/video system operating hints" on page 241.

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: 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 "NO MUSIC FILE" appears on the display: It indicates that the disc has no playable data.

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

If an MP3/WMA disc contains CD−DA files, only CD−DA files are played. If an MP3/WMA disc contains files other than CD−DA, only MP3/WMA files are played.

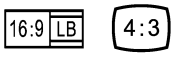
(g) DVD player and DVD video disc information

- **DVD video discs**

This DVD player conforms to NTSC color TV formats.

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

Marks shown on DVD video discs:

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

- **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 239.

Audio: This DVD player can play liner PCM, Dolby digital, DTS 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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“DTS” is a trademark of Digital Theater Systems, Inc.

Audio/video remote controls — — Steering switches

Some parts of the audio/video system can be adjusted with the switches on the steering wheel.

Details of the specific switches, controls, and features are described below.

1 **Volume control switch**
2 **“∧” “∨” switches**
3 **“MODE” switch**

1 Volume control switch

Push **"+"** side to increase the volume. The volume continues to increase while the switch is being pressed.

Push **"–"** side to decrease the volume. The volume continues to decrease while the switch is being pressed.

2 "∧" "∨" switches

Radio

To select a preset station:
Quickly push and release the **"∧"** or **"∨"** switch. Do this again to select the next preset station.

To seek a station:
Push and hold the **"∧"** or **"∨"** switch until you hear a beep. Do this again to find the next station. If you push either the **"∧"** or **"∨"** switch in seek mode, the seek mode will cancel.

CD changer or DVD changer

Use this button to skip up or down to a different track, file or chapter in either direction.

To select a desired track, file or chapter:
Quickly push and release the **"∧"** or **"∨"** switch until the track, file or chapter you want to play is set. If you want to return to the beginning of the current track, file or chapter, push the **"∨"** switch once, quickly.

To select a desired disc:
Push and hold the **"∧"** or **"∨"** switch until you hear a beep to change to the next or the previous disc. Repeat this operation until you reach the disc you want to listen to.

3 "MODE" switch

Each time you push the **"MODE"** switch, the system changes the audio mode.

To turn the audio/video system on, push the **"MODE"** switch.

To turn the audio/video system off, push and hold the **"MODE"** switch until you hear a beep.

Audio / video system operating hints

NOTICE

To ensure correct audio/video system operations:

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

Radio reception

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

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

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

FM

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

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

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

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

AM

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

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

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

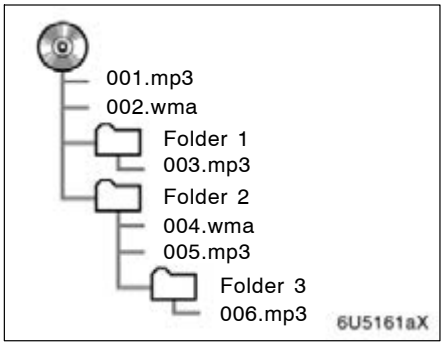
MP3/WMA files

- MP3 (MPEG Audio Layer 3) and WMA (Windows Media Audio) are audio compression standards.
- The MP3/WMA player can play MP3 and WMA files on CD−ROM, CD−R and CD−RW discs.

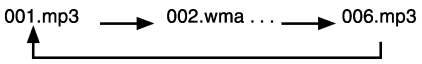
  The unit can play disc recordings compatible with ISO 9660 level 1 and level 2 and with the Romeo and Joliet file system.
- When naming an MP3 or WMA file, add the appropriate file extension (.mp3 or .wma).
- The MP3/WMA player plays back files with .mp3 or .wma file extensions as MP3 or WMA files. To prevent noise and playback errors, use the appropriate file extensions.
- The player can play only the first session using multi−session compatible CDs.
- MP3 files are compatible with the ID3 Tag Ver. 1.0, Ver. 1.1, Ver. 2.2, and Ver. 2.3 formats. The unit cannot display disc title, track title and artist name in other formats.
- WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title, artist name.
- The emphasis function is available only when playing MP3/WMA files recorded at 32, 44.1 and 48 kHz. (The system can play MP3 files with sampling frequencies of 16, 22.05, and 24 kHz. However, the emphasis function is not available for files recorded at these frequencies.)

- The sound quality of MP3/WMA files generally improves with higher bit rates. In order to achieve a reasonable level of sound quality, discs recorded with a bit rate of at least 128 kbps are recommended.

  Playable bit rates
  MP3 files:
  MPEG1 LAYER3—64 to 320 kbps
  MPEG2 LSF LAYER3—64 to 160 kbps
  WMA files:
  Ver. 7, 8 CBR—48 to 192 kbps
  Ver. 9 CBR—48 to 320 kbps
- The MP3/WMA player does not play back MP3/WMA files from discs recorder using packet write data transfer (UDF format). Discs should be recorded using "pre−mastering" software rather than packet−write software.
- The m3u playlists are not compatible with the audio player.
- MP3i (MP3 interactive) and MP3PRO formats are not compatible with the audio player.
- The MP3 player is compatible with VBR (Variable Bit Rate).
- When playing back files recorded as VBR (Variable Bit Rate) files, the play time will not be correctly displayed if fast−forward or reverse operations are used.
- It is not possible to check folders that do not include MP3/WMA files.
- MP3/WMA files in folders up to 8 levels deep can be played. However, the start of playback may be delayed when using discs containing numerous levels of folders. For this reason, we recommend creating discs with no more than two levels of folders.
- It is possible to play up to 192 folders or 255 files on one disc.



- The play order of the compact disc with the structure shown on the left is as follows:



CD−R AND CD−RW DISCS

- CD−R/CD−RW discs that have not been subject to the “finalizing process” (a process that allows discs to be played on a conventional CD player) cannot be played.
- It may not be possible to play CD−R/CD−RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. on the lens of the unit.
- It may not be possible to play discs recorded on a personal computer depending on the application settings and the environment. Record with the correct format. (For details, contact the appropriate application manufacturers of the applications.)
- CD−R/CD−RW discs may be damaged by direct exposure to sunlight, high temperatures or other storage conditions. The unit may be unable to play some damaged discs.
- If you insert a CD−RW disc into the MP3/WMA player, playback will begin more slowly than with a conventional CD or CD−R disc.
- Recordings on CD−R/CD−RW cannot be played using the DDCD (Double Density CD) system.

CARING FOR YOUR CD CHANGER, DVD CHANGER AND DISCS

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

⚠ CAUTION

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

CD changer

Audio CDs	

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

  SACDs
  dts−CDs
  Copy−protected CDs

DVD changer

Audio CDs	
DVD video discs	
DVD audio discs	
Video CDs	

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

  SACDs
  dts−CDs
  Copy−protected CDs
  DVD−Rs
  DVD+Rs
  DVD−RWs
  DVD+RWs
  DVD−ROMs
  DVD−RAMs

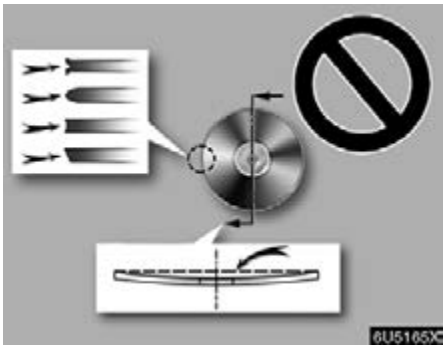
▶ Special shaped discs

▶ Labeled discs

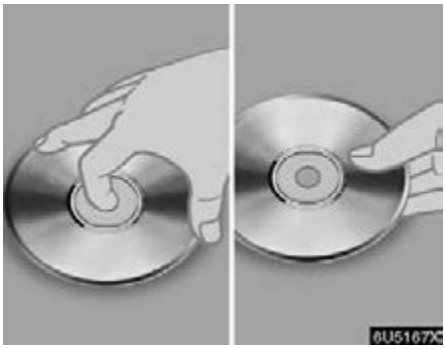
▶ Transparent / translucent discs

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.***
- ***This system is not designed for use of Dual Disc. Do not use Dual Disc because it may cause damage to the player or changer.***



▶ Low quality discs



▶ **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 changer 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 changer 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 a circle). Do not use a conventional record cleaner or anti–static device.

TERMS

Packet write—

This is a general term that describes the process of writing data on−demand to CD−R, etc., in the same way that data is written to floppy or hard discs.

ID3 Tag—

This is a method of embedding track−related information in an MP3 file. This embedded information can include the track title, the artist's name, the album title, the music genre, the year of production, comments and other data. The contents can be freely edited using software with ID3 tag editing functions. Although the tags are restricted to the number of characters, the information can be viewed when the track is played back.

WMA Tag—

WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title, artist name.

ISO 9660 format—

This is the international standard for the formatting of CD−ROM folders and files. For the ISO 9660 format, there are two levels of regulations.

Level 1:

The file name is in 8.3 format (8 character file names, with a 3 character file extension. File names must be composed of one−byte capital letters and numbers. The "_" symbol may also be included.)

Level 2:

The file name can have up to 31 characters (including the separation mark "." and file extension). Each folder must contain fewer than 8 hierarchies.

m3u—

Playlists created using "WINAMP" software have a playlist file extension (.m3u).

MP3—

MP3 is an audio compression standard determined by a working group (MPEG) of the ISO (International Standard Organization). MP3 compresses audio data to about 1/10 the size of that on conventional discs.

WMA—

WMA (Windows Media Audio) is an audio compression format developed by Microsoft. It compresses files into a size smaller than that of MP3 files. The decoding formats for WMA files are Ver. 7, 8, and 9.

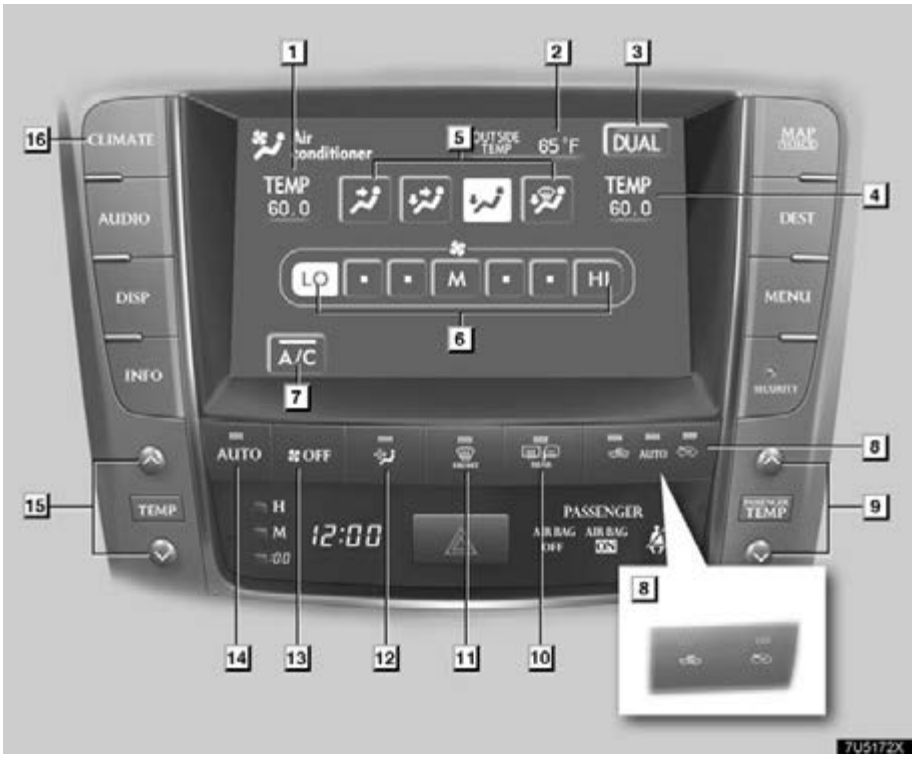
SECTION 7

AIR CONDITIONING

- Automatic air conditioning controls 250

Automatic air conditioning controls

Operations such as changing the air outlets or fan speed are carried out on the touch screen. To display the air conditioning touch screen, push the **"CLIMATE"** button.



1 **Driver side temperature display** (In degrees Fahrenheit or Centigrade) 255

2 **Outside temperature display** (In degrees Fahrenheit or Centigrade) 263

3 **"DUAL"** (Temperature setting mode change touch−screen button) 255

4 **Passenger side temperature display** (In degrees Fahrenheit or Centigrade) 255

5 **Air flow control touch−screen buttons** 257

6 **Fan speed control touch−screen buttons** 257

7 **"A/C"** 259

8 **Air intake control button** 258

9 **"PASSENGER TEMP" buttons** (Passenger side temperature control button) (Only for the independent mode that display shows **"DUAL"**; mainly for front passenger and secondarily for driver) 255

10 **Rear window defogger button** 261

11 **Windshield air flow button** 260

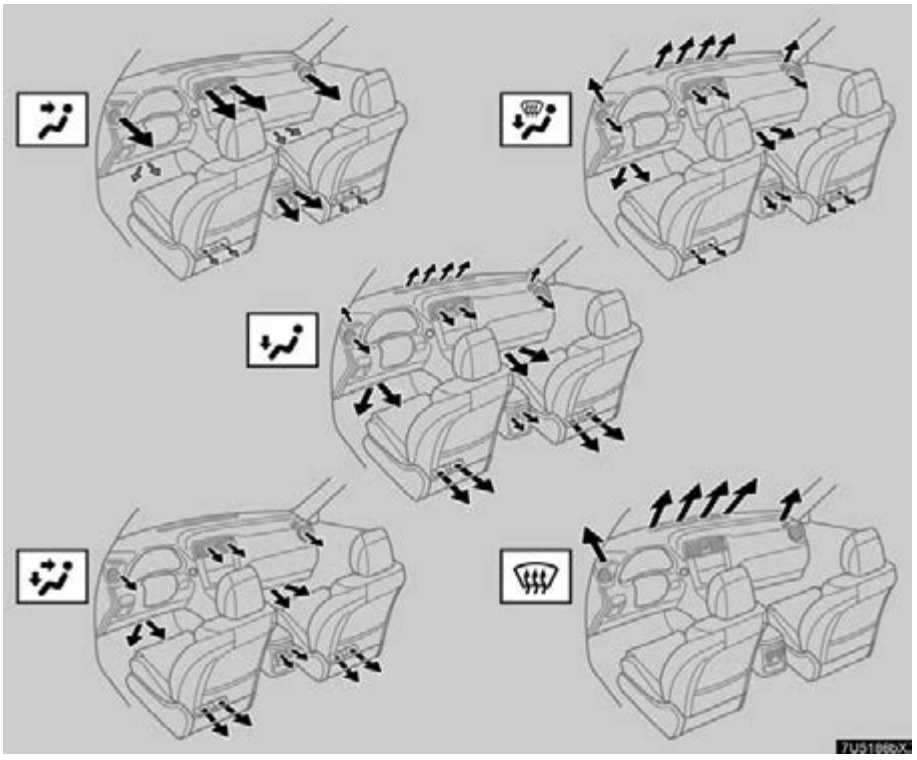
12 **Micro dust and pollen filter button** 262

13 **"OFF" button** 254

14 **“AUTO” button** 254

15 **“TEMP” buttons**
(Driver side temperature control button) (At the independent mode that display shows **“DUAL”**; mainly or driver and secondarily for front passenger)
(At the linked mode that display does not show **“DUAL”**; for driver)
. 255

16 **“CLIMATE” button**
(Air conditioning operation screen display button) 253

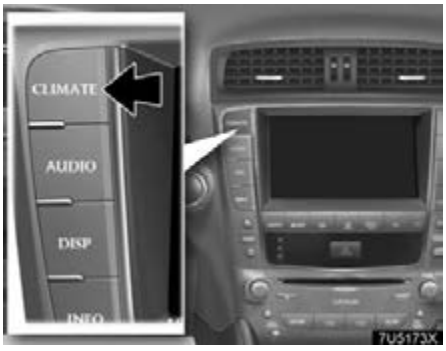


▶ **Air flow selection** ⇨ Automatic air flow mode only

The automatic air conditioning automatically maintains the set temperature.

In the automatic operation mode, the air conditioning selects the most suitable fan speed, air flow, air intake and on–off the air conditioning according to the temperature.

The “ENGINE START STOP” switch must be in IGNITION ON mode.



“CLIMATE”: Push this button to display touch–screen buttons for automatic air conditioning controls.

NOTICE

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

By pushing the switch above, you can operate the speech command system.

For the operation of the speech command system and the command, see pages 174 and 177.

(a) Climate control

SETTING OPERATION − automatic control

1. Push the "AUTO" button.

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

Air flow quantity, switching of the diffusers, on−off of the air conditioning, and switching of the air intake between RECIRCULATED AIR and OUTSIDE AIR are automatically adjusted. The operation status is shown by each indicator.

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

Push the **"OFF"** button to turn the fan off.

INFORMATION

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

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

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

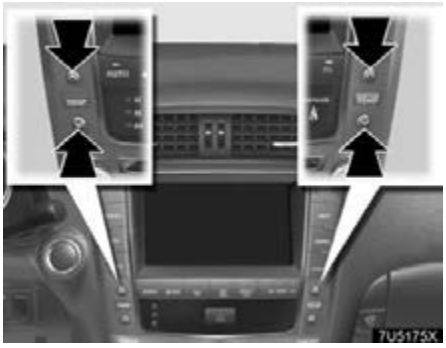
- ***The internal circulation may be applied for maximum cooling in the automatic operation mode, when outside temperature is hot like a summer season.***

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

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

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

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



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

The **"TEMP"** or **"PASSENGER TEMP"** (**"∧"**, **"∨"**) buttons are used to set the desired interior temperature. The interior temperature will be controlled on the driver and passenger side simultaneously or individually.

To increase the interior temperature, push the **"∧"** button, to decrease it, push the **"∨"** button.

If quick heating or cooling is desired —

"LO" appears when you hold it until maximum cooling (decrease), and "HI" appears when you hold it until maximum warning (increase).

"TEMP" button — Changes the temperature on the driver and passenger sides simultaneously or the driver side only.

"PASSENGER TEMP" button — Changes the temperature settings separate from the driver side.

"DUAL" —

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

Touching the button changes from the independent mode to the linked mode.

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

Linked mode: The same temperature is set for the driver's seat and front passenger's seat. The indicator will come off to show that the simultaneous temperature setting mode has been selected.

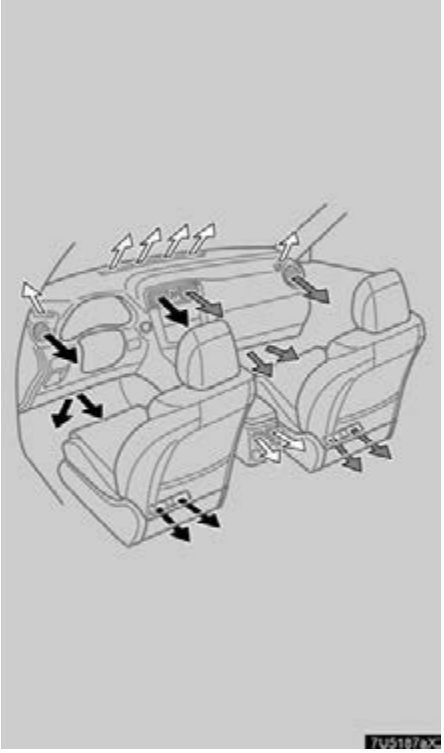
When the temperature for the front passenger's seat is changed in linked mode, the mode is changed automatically to independent mode.

INFORMATION

Knowledge for the two−temperature selector operation:

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

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



➡ Driver side setting air flow

➡ Passenger side setting air flow

⇨ Mixed air flow

SETTING OPERATION — manual control

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

If manual air flow selection is desired —

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

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

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

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

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

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

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

The selected mode is highlighted.

If manual fan speed control is desired —

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

The fan speed can be set to your desired speed by touching the appropriate air flow control button.

The higher the fan speed is, the more air is delivered.

Pushing the **"OFF"** button turns the fan off.

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

The selected mode is highlighted.

If manual switching of air intake is desired —

Each time you push the air intake control button, the mode changes in order from the RECIRCULATED AIR mode to AUTOMATIC mode to OUTSIDE AIR mode, then back to the RECIRCULATED AIR mode. Each indicator light shows which mode is now selected.

1. **RECIRCULATED AIR mode —** If quick circulation of cooled air is desired, select this mode.
2. **EXHAUST GAS AUTOMATIC mode (on some models) —** If the outside air contains harmful substances like exhaust gas (i.e., when the vehicle running just in front of your vehicle accelerates rapidly), the system changes automatically from the OUTSIDE AIR mode (with indicators 2 and 3 on) to the RECIRCULATED AIR mode (with indicators 1 and 2 on).
3. **OUTSIDE AIR mode —** The system will take fresh outside air into the vehicle.

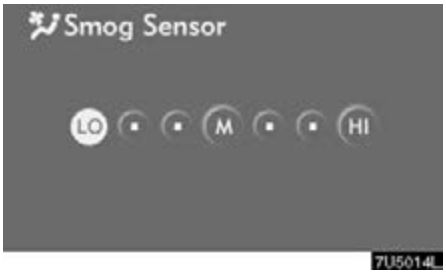
Turning off the air conditioning manually will cancel the EXHAUST GAS AUTOMATIC mode. If you select the “AUTO” mode during fan operating, the air conditioning turns on and the EXHAUST GAS AUTOMATIC mode will operate.

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

To change the sensitivity of the sensor switching between the RECIRCULATED AIR and OUTSIDE AIR in the AUTOMATIC mode, push the air intake control button and hold it for a few seconds.

The “Smog Sensor” screen will be displayed.

The sensitivity of the sensor can be adjusted only while the vehicle has been stopped.



The sensitivity of the touch−screen button is set to be higher toward “HI” and lower toward “LO”.

Touch the desired button on the screen.

When you push the **“AUTO”** button, the above screen goes off.

If manual on−off of the air conditioning is desired —

Touch **“A/C”** to turn the air conditioning on and touch it again to turn the air conditioning off. If you turn off the air conditioning manually, the EXHAUST GAS AUTOMATIC mode will be cancelled.

If the outside temperature is below 0°C (32°F), the air conditioning will turn off automatically. At this time, the indicator on **“A/C”** is off and the EXHAUST GAS AUTOMATIC indicator light remains on. However, the EXHAUST GAS AUTOMATIC mode does not operate. When the air conditioning turns on as with the raised temperature, the EXHAUST GAS AUTOMATIC mode resumes.

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 indicator of **“A/C”** will blink. If the indicator of **“A/C”** blinks even when **“A/C”** is touched again, have the compressor checked by your Lexus dealer.

(b) Windshield defogging and defrosting

To remove interior fog on the windshield —

Push the windshield air flow button.

To remove frost or exterior fog on the windshield—

1. Push the “TEMP” (“^”) button to set the “HI”.
2. Push the windshield air flow button.
3. Touch fan speed control touch−screen button on the right side to obtain a maximum air flow.

4. Leave **“A/C”** off.

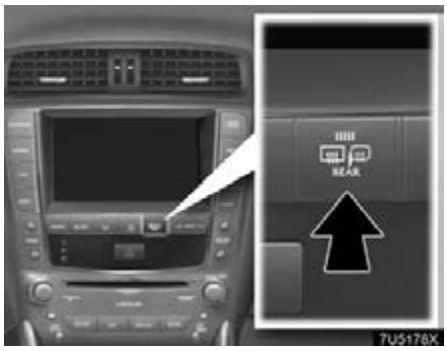
When the windshield air flow button is pushed while operating in automatic mode, the air conditioning is set to operate.

If you push the windshield air flow button once again while in the windshield air flow mode, the mode then returns to the last mode used.

⚠ CAUTION

To prevent the windshield from fogging up, 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.

(c) Rear window and outside rear view mirror defogging



To turn the electric rear window and outside rear view mirror defogger on, push the button above.

The “ENGINE START STOP” switch must be in IGNITION ON mode.

The thin heater wires on the inside of the rear window and the heater panels in the outside rear view mirrors will quickly clear the surface.

Keep your hands off the mirror faces when the system is on.

The indicator light is on when the defogger is operating.

⚠ CAUTION

When the outside rear view mirror defoggers are on, do not touch the outside surface of the rear view mirror as it can become very hot and burn you.

The system will automatically shut off when the defogger has operated about 15 minutes.

If further defrosting or defogging is desired, simply actuate the switch again. When the surface has cleared, push the button once again to turn the defogger off. Continuous use may cause the battery to discharge, especially during stop–and–go driving. The defogger is not designed to dry rain water or to melt snow.

If the outside rear view mirrors are heavily coated with ice, use a spray de–icer before operating the system.

NOTICE

- ***When cleaning the inside of the rear window, be careful not to scratch or damage the heater wires or connectors.***
- ***To prevent the battery from being discharged, turn the switch off when the engine is not running.***

(d) Micro dust and pollen filter

This vehicle is equipped with a micro dust and pollen filter mode. When this mode is activated, air from the vents will remove pollen on the driver and passengers.

Push the micro dust and pollen filter button.

The indicator light and **"A/C"** come on. The RECIRCULATED AIR mode is also turned on at normal outside temperature. Air is delivered from the instrument panel vents to the areas near the driver and passengers to remove pollen on them.

When the interior is purified sufficiently with fresh air (after about 3 minutes at normal outside temperature and about 1 minute at low outside temperature), this mode will be turned off automatically and the indicator light will go out.

When the micro dust and pollen filter is activated, this mode will be turned off by pushing the micro dust and pollen filter button again. The indicator light will also go out.

INFORMATION

- ***Use this mode to remove pollen quickly carried by the driver or passengers or through the window in the days with much pollen.***
- ***Use and push the windshield air flow button to remove the fog on the windshield in rainy days.***
- ***Fresh air is delivered even when the micro dust and pollen filter button is turned off.***

(e) Outside temperature display

Outside temperature is displayed on the screen.

The displayed temperature ranges from −40°C (−40°F) up to 50°C (122°F).

If the temperature shows "– –" or "E", take your vehicle to your Lexus dealer.

In the following situations, the correct outside temperature may not be displayed, or the display may take longer than normal to change.

- When stopped, or driving at low speeds (less than 12 mph [20 km/h])
- When the outside temperature has changed suddenly (at the entrance/exit of a garage, tunnel, etc.)

(f) Operating tips

- To help cool down the interior after parking in the hot sun, drive for the first few minutes with the windows open. After the excess heat has blown away, close the windows.
- Make sure the air inlet grilles in front of the windshield are not blocked by leaves or other obstructions.
- If air flow control is not satisfactory, check the dashboard vents and rear vents. (See "(g) Adjusting the position of and opening and closing the air outlets" on page 266.)
- Keep the area under the front seats clear to allow air to circulate throughout the vehicle.
- On cold days, set the fan speed to high for a minute to help clear the intake ducts of snow or moisture. This can reduce the amount of fogging on the windows.
- When driving on dusty roads, close all windows. If dust thrown up by the vehicle is still drawn into the vehicle after closing the windows, it is recommended that the air intake control button be set to the OUTSIDE AIR mode to take in the fresh air and set 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 control button be temporarily pressed in to the RECIRCULATED AIR 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 — OUTSIDE AIR
Air conditioning — OFF

For manual operation —

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

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

Air conditioning

For best results, set controls to:

For automatic operation —

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

For manual operation —

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

- For quick cooling, select RECIRCULATED AIR 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 — OUTSIDE AIR
Air conditioning — OFF

For manual operation —

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

Defogging and defrosting

− The inside of the windshield

For best results, set controls to:

For automatic operation —

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

For manual operation —

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

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

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

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

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

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

− The outside of the windshield

For best results, set controls to:

For automatic operation —

Temperature — Towards high temperature
Air intake — OUTSIDE AIR
Air flow — WINDSHIELD

For manual operation —

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

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

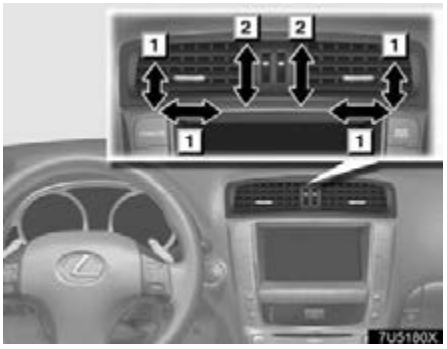
Pushing this button once again returns the air flow mode to the last one used.

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

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

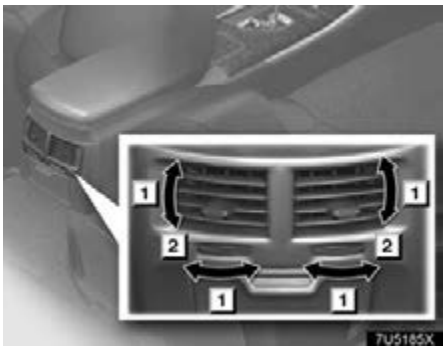
- To heat the vehicle interior while defrosting the windshield, choose floor/windshield air flow.

(g) Adjusting the position of and opening and closing the air outlets



▶ **Center outlets**
1 Adjusting air flow direction
2 Open or close the vent

▶ **Side outlets**
1 Adjusting air flow direction
2 Open or close the vent



▶ **Rear seat outlets**
1 Adjusting air flow direction
2 Adjusting air flow direction or, open or close the vent

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

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

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

(h) Checking and replacing the air conditioning filter

The air conditioning filter must be cleaned or changed regularly to maintain air conditioning efficiency.

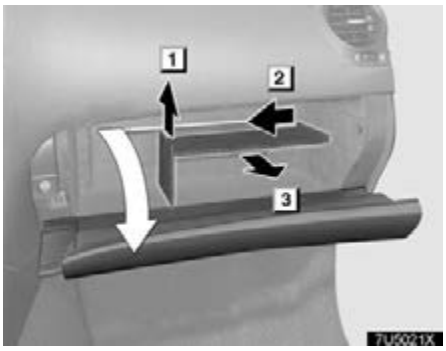
- **Removal method**

1. Set the air conditioning system to RECIRCULATED AIR mode.

The air conditioning filter case cannot be removed in the OUTSIDE AIR mode.

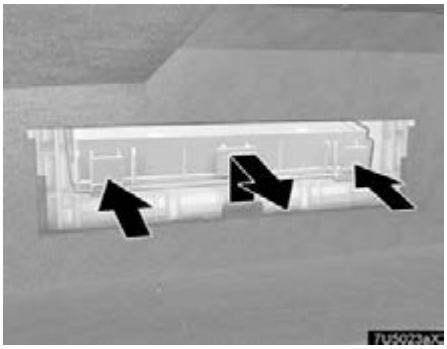
2. Turn the "ENGINE START STOP" switch off.

When you replace the filter, be sure to turn off the fan.



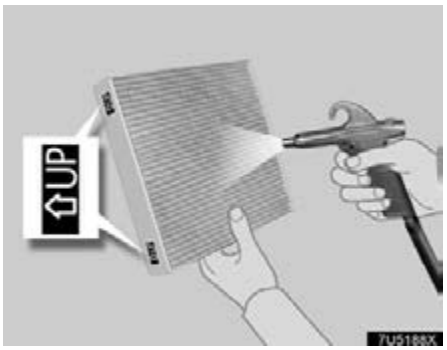
3. Open the glove box. Lift and remove the partition.

4. Remove the filter cover.



5. Remove the filter case.

- **Cleaning method**

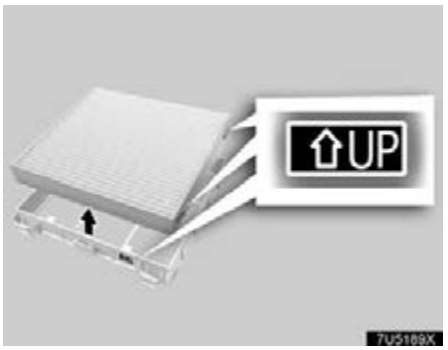


If the filter is dirty, clean by blowing compressed air through the filter from the downward side.

Hold the air gun 2 in. (5 cm) from the filter and blow for approximately 2 minutes at 72 psi (500 kPa, 5.0 kgf/cm^2 or bar).

If it is not available, have the filter cleaned by your Lexus dealer.

- **Replacement method**



Remove the air conditioning filter from the filter case and replace it with a new one.

The "↑UP" marks shown on the filter and the filter case should be pointing up.

Checking interval

Inspect and replace the air conditioning filter according to the maintenance schedule. In dusty areas or areas with heavy traffic flow, early replacement may be required. (For scheduled maintenance information, please refer to the “Owner’s Manual Supplement/Scheduled Maintenance”.)

If air flow from the vents decreases dramatically

The filter may be clogged. Check the filter and replace if necessary.

NOTICE

To prevent damage to the system

- ***When using the air conditioning system, make sure that a filter is always installed.***
- ***When cleaning the filter, do not clean the filter with water.***

SECTION 8

REAR VIEW MONITOR SYSTEM

- Rear view monitor system 272

Rear view monitor system —

The rear view monitor system assists the driver by displaying an image of the view behind the vehicle while backing up. The image is displayed in reverse on the screen. This allows the image to appear in the same manner as that of the rear view mirror.

To display the rear view image on the screen, shift the shift lever to "R" (automatic transmission) or reverse (manual transmission) when the "ENGINE START STOP" switch is in IGNITION ON mode.

If you move the shift lever out of the "R" (automatic transmission) or reverse (manual transmission), the screen returns to the previous screen. Operating another function of the navigation system will display another screen.

Vehicles with Lexus parking assist–sensor — when the Lexus parking assist–sensors are turned on and an obstacle is detected in front of or behind your vehicle, a warning appears on the right top of the rear view monitor. For details, see "Lexus parking assist–sensor" on page 278.

The rear view monitor system is a supplement device intended to assist back up. When backing up, be sure to check behind and all around the vehicle visually.

⚠ CAUTION

- **Never depend on the rear view monitor system entirely when backing up. Always make sure your intended path is clear.**

  Use caution, just as you would when backing up any vehicle.
- **Never back up while looking only at the screen. The image on the screen is different from actual conditions. Depicted distances between objects and flat surfaces will differ from actual distance. If you back up while looking only at the screen, you may hit a vehicle, a person or an object. When backing up, be sure to check behind and all around the vehicle visually and with mirrors before proceeding.**
- **Do not use the system when the trunk is not completely closed.**
- **If the back of the vehicle is hit, the position and mounting angle of the camera may change. Be sure to have the camera's position and mounting angle checked at your Lexus dealer.**
- **As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.**
- **If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.**

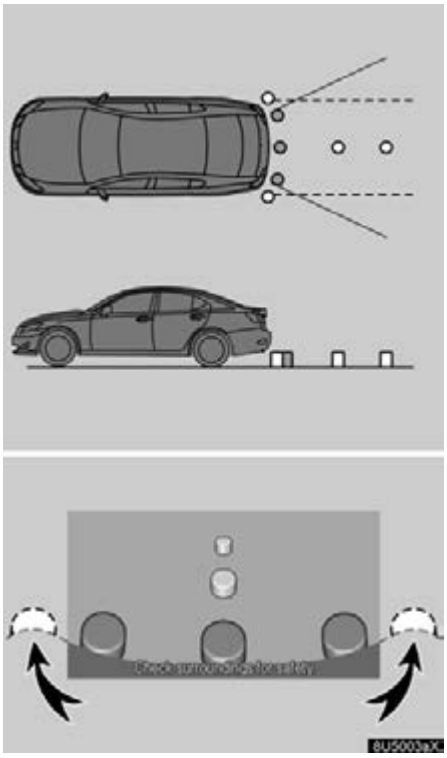
- If the camera lens becomes dirty, it cannot transmit a clear image. If water droplets, snow, or mud adhere to the lens, rinse with water and wipe with a soft cloth. If the lens is extremely dirty, wash it with a mild cleanser and rinse.
- Do not allow organic solvent, car wax, window cleaner or glass coat to adhere to the camera. If this happens, wipe it off as soon as possible.
- Use your own eyes to confirm the vehicle's surroundings, as the displayed image may become faint or dark, and moving images will be distorted, or not entirely visible when the outside temperature is low. When backing up, be sure to check behind and all around the vehicle visually and with mirror before proceeding.
- Do not use the system in the following cases:
  - On icy or slick road surfaces, or in snow.
  - When using tire chains or emergency tires.
  - On an uneven road, such as a slope.

NOTICE

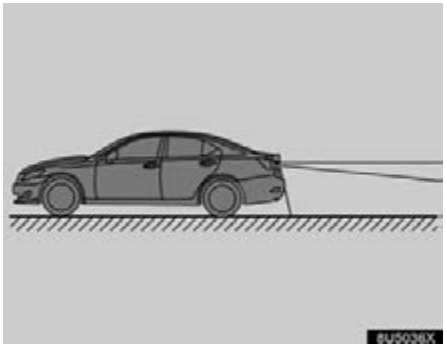
When replacing the tires, please consult your Lexus dealer. If you replace the tires, the area displayed on the screen may change.

- Area displayed on screen

Image is displayed approximately level on screen.



▶ Corners of bumper



NOTICE

- ***The area detected by the camera is limited. The camera does not detect objects which are close to either corner of the bumper or under the bumper.***
- ***The area displayed on the screen may vary according to vehicle orientation or road conditions.***

- **The rear view monitor system camera**

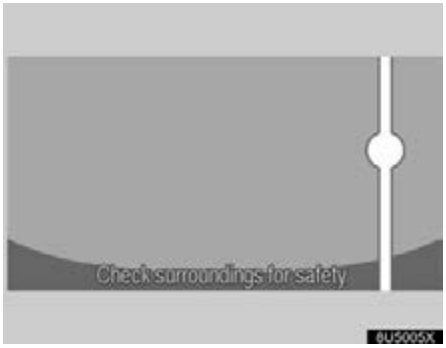
The rear view monitor system camera is located on the trunk as shown in the illustration.

In the following cases, it may become difficult to see the images on the screen, even when the system is functioning.

- In the dark (for example, at night)
- When the temperature near the lens is high or low
- When water droplets are adhering to the camera, or when humidity is high (for example, when it rains)
- When foreign matter (for example, snow or mud) is adhering to the camera
- When the camera has scratches or dirt on it
- When the sun or the beam of headlights is shining directly into the camera lens

NOTICE

The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.



If a bright light (for example, sunlight reflected off the vehicle body) is picked up by the camera, the smear effect* peculiar to the camera may occur.

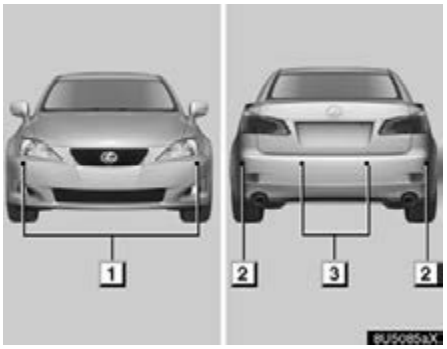
*: Smear effect—A phenomenon that occurs when a bright light (for example, sunlight reflected off the vehicle body) is picked up by the camera; when transmitted by the camera, the light source appears to have a vertical streak above and below it.

SECTION 9

LEXUS PARKING ASSIST−SENSOR

- Lexus parking assist−sensor 278

Lexus parking assist−sensor —



The Lexus parking assist−sensor is a warning system used when parking the vehicle at low speed (e.g. into a garage). It uses an ultrasonic sensor, which checks the approximate distance to an obstacle. It will inform you of the approximate distance to an obstacle by displaying information on the multi−information display and the screen, and with beeping sounds.

1 Front corner sensors

There is one of these installed on each corner of the front bumper, they inspect obstacles and will sound a warning depending on the distance to the obstacle. (See " — Front corner sensors" on page 280.)

2 Rear corner sensors

There is one of these installed on each corner of the rear bumper, they inspect obstacles and will sound a warning depending on the distance to the obstacle. (See " — Rear corner sensors" on page 281.)

3 Back sensors

There are two of these installed near the center of the rear bumper, they inspect obstacles and will sound a warning depending on the distance to the obstacle. (See " — Back sensors" on page 282.)

To use the parking assist−sensor, with the "ENGINE START STOP" switch in IGNITION ON mode, push "<" or ">" of the satellite switch to select the parking assist−sensor and then push the ON/OFF button. Selecting the parking assist−sensor and pushing the ON/OFF button of the satellite switch again will turn the parking assist−sensor off.

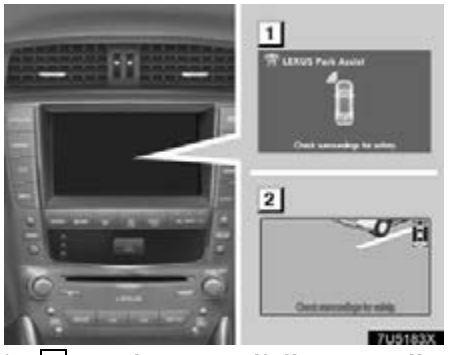
When you turn on the parking assist−sensor, the indicator light in the instrument cluster comes on and a beep sounds for one second, indicating that the parking assist−sensor is turned on.

The parking assist−sensor will remain on even after turning the "ENGINE START STOP" switch to OFF and then to IGNITION ON mode with the main switch on. However, a beep does not sound at this time.

If an error is detected in the Lexus parking assist−sensor while self−checking, beeps sound and a warning appears in the multi−information display and on the screen. For details, see " — Lexus parking assist−sensor failure warning" on page 285.

— Where to display

▶ **Multi−information display**



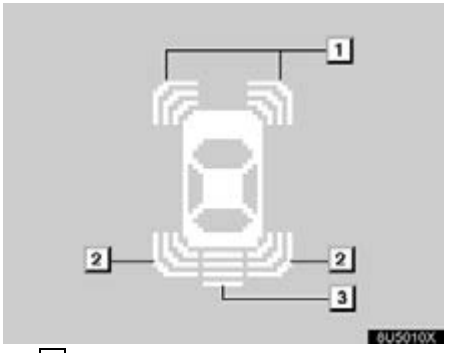
▶ **1 Touch screen (full screen display)**
2 Touch screen (vehicles with rear view monitor system)
(See “ — Rear view monitor display” on page 287.)

When an obstacle is detected, the indicator bars will come on or flash, accompanied by beeping. How many bars are lit or flashing depends on the distance to the obstacle.

When the obstacle is not detected any longer, beeps will stop sounding and the multi−information display and the screen will return to the previous display.

The volume of the beeps and the display on the screen can be changed. See “ — Setting the Lexus parking assist−sensor” on page 289.

— Indicators



▶ **1 Detection by front corner sensors**
2 Detection by rear corner sensors
3 Detection by back sensors

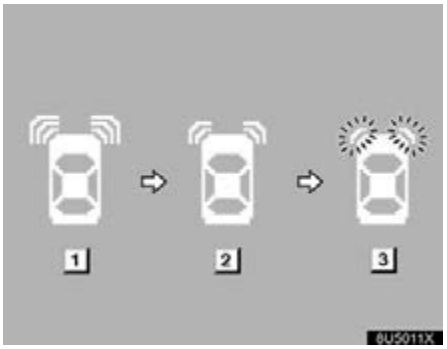
The approximate distance to the obstacle is shown with up to 4 bars on the rear of the vehicle and up to 3 bars on the front corners and the rear corners of the vehicle.

⚠ CAUTION

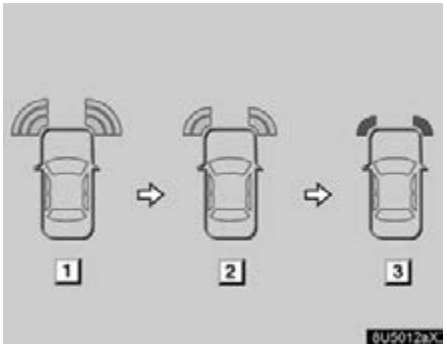
To avoid an accident or injury, observe the following instructions, and then drive slowly using the brakes while visually confirming a safe distance around your vehicle.

- **The sensor detection range is limited around the bumper. Be sure to visually confirm safety outside the sensor detection. For the sensor detection range, see “ — Detection range of sensors” on page 284.**
- **It might take time for the sensors to detect obstacles.**
- **Depending on the shape of the obstacle, indicators or beeps may not warn you properly, and the detection range may also be shortened.**
- **It might be difficult to hear beeps due to the volume of audio or air flow noise of the air conditioning.**

— Front corner sensors



▶ **Multi−information display**



▶ **Touch screen**

1 **About 1.1 ft. (37.5 cm) to about 1.5 ft. (50 cm)**

2 **About 0.8 ft. (25 cm) to about 1.1 ft. (37.5 cm)**

3 **Less than about 0.8 ft. (25 cm)**

The front corner sensor only operates when the vehicle speed is less than about 6 mph (10 km/h). It checks the approximate distance to obstacles at an angle to the front of the vehicle, and sounds a warning depending on the distance. This sensor does not operate if the transmission is in "P" position (automatic transmissions), or the parking brake is set (manual transmissions).

Multi−information display:
The indicator bars come on depending on the distance to the obstacle and flash when the distance between the vehicle and the obstacle is less than about 0.8 ft. (25 cm).

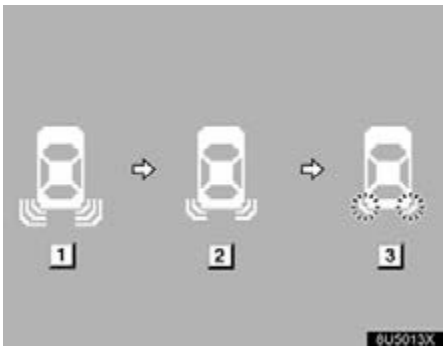
Touch screen:
When an obstacle is detected, indicator bars illuminate in yellow. The number of the indicator bars reduces as the vehicle gets closer to the obstacle, and turn red when the distance between the vehicle and obstacle is less than 0.8 ft. (25 cm).

Beeps:
As distance to the obstacle gets closer, the interval of the intermittent sound gets shorter, and then finally changes to a continuous sound when the distance between the vehicle and the obstacle is less than about 0.8 ft. (25 cm).

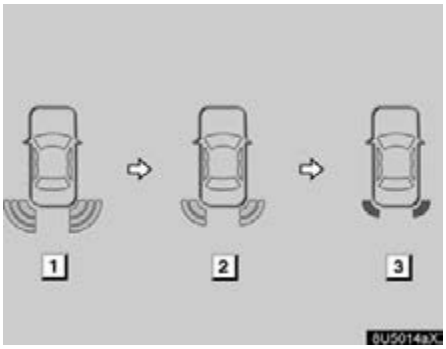
⚠ CAUTION

When you move your vehicle, be sure to visually confirm a safe distance around your vehicle and drive slowly, or an accident or injury may result.

— Rear corner sensors



▶ **Multi−information display**



▶ **Touch screen**

1 About 1.1 ft. (37.5 cm) to about 1.5 ft. (50 cm)
2 About 0.8 ft. (25 cm) to about 1.1 ft. (37.5 cm)
3 Less than about 0.8 ft. (25 cm)

The rear corner sensor only operates when the vehicle speed is less than about 6 mph (10 km/h) and the transmission is in "R" (automatic transmission) or reverse (manual transmission), it checks the approximate distance to obstacles at an angle to the rear of the vehicle, and sounds a warning depending on the distance.

Multi−information display:
The indicator bars come on depending on the distance to the obstacle and flash when the distance between the vehicle and the obstacle is less than about 0.8 ft. (25 cm).

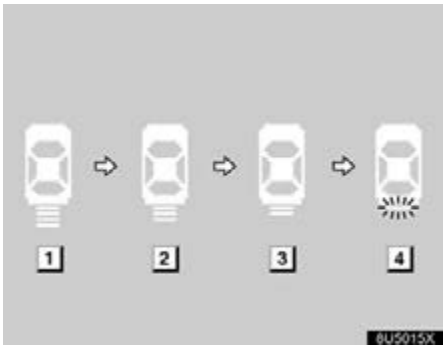
Touch screen:
When an obstacle is detected, indicator bars illuminate in yellow. The number of the indicator bars reduces as the vehicle gets closer to the obstacle, and turn red when the distance between the vehicle and obstacle is less than 0.8 ft. (25 cm).

Beeps:
As distance to the obstacle gets closer, the interval of the intermittent sound gets shorter, and then finally changes to a continuous sound when the distance between the vehicle and the obstacle is less than about 0.8 ft. (25 cm).

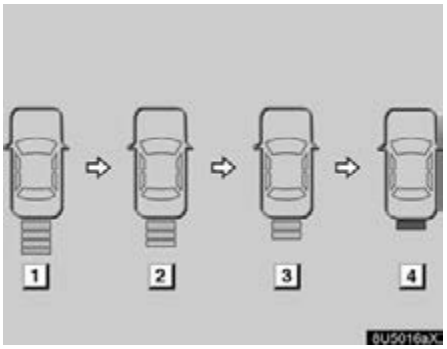
⚠ CAUTION

When reversing, be sure to visually confirm a safe distance around your vehicle to avoid an accident.

— Back sensors



▶ **Multi−information display**



▶ **Touch screen**

1 **About 1.8 ft. (60 cm) to about 4.5 ft. (150 cm)**
2 **About 1.4 ft. (45 cm) to about 1.8 ft. (60 cm)**
3 **About 1.1 ft. (35 cm) to about 1.4 ft. (45 cm)**
4 **Less than about 1.1 ft. (35 cm)**

The back sensor only operates when the transmission is in "R" (automatic transmission) or reverse (manual transmission), it checks the approximate distance to obstacles close to the rear of the vehicle, and sounds a warning depending on the distance.

Multi−information display:
The indicator bars come on depending on the distance to the obstacle and flash when the distance between the vehicle and the obstacle is than about 1.1 ft. (35 cm).

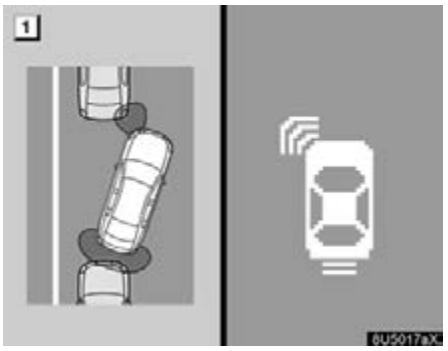
Touch screen:
When an obstacle is detected, indicator bars illuminate in yellow. The number of the indicator bars reduces as the vehicle gets closer to the obstacle, and turn red when the distance between the vehicle and obstacle is less than 1.1 ft. (35 cm).

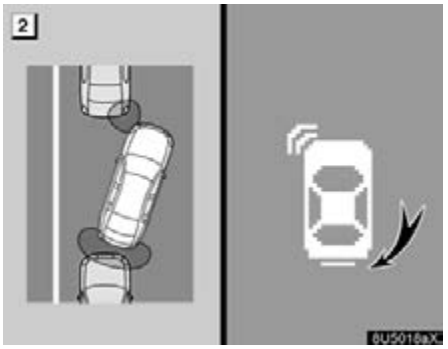
Beeps:
As distance to the obstacle gets closer, the interval of the intermittent sound gets shorter, and then finally changes to a continuous sound when the distance between the vehicle and the obstacle is less than about 1.1 ft. (35 cm).

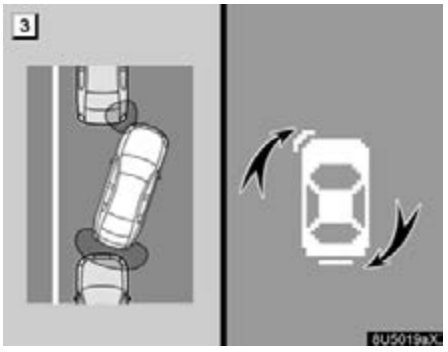
⚠ CAUTION

When reversing, be sure to visually confirm a safe distance around your vehicle to avoid an accident.

— Numerous obstacles are detected on the front and rear of the vehicle simultaneously







When obstacles are detected on the front and rear of the vehicle at the same time; the multi−information display and screen illuminate their relevant indicator bars. And beeps are as follows:

1 Obstacles detected on the front and rear of the vehicle are not in areas where continuous beeping should sound:

The warning for the obstacle closer to the vehicle will be issued. The above illustration indicates the obstacle detected by the back sensors is closer to the vehicle. So, the warning for the obstacle detected by the back sensors will be given.

2 The obstacle detected on the front or rear of the vehicle is in an area where continuous beeping should sound:

If the possibility of collision with the obstacle is high as shown, the parking assist−sensor warns the driver by continuous beeping (repeating 7 intermittent beeps and one longer beep as one cycle).

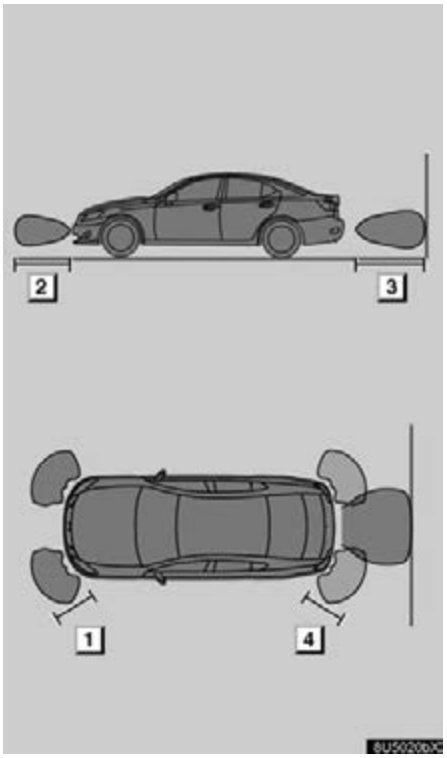
3 Both obstacles detected on the front and rear of the vehicle are in areas where continuous beeping should sound:

If the possibility of collision with the obstacles is very high as shown, the parking assist−sensor warns the driver by continuous beeping (repeating 3 quick beeps and one longer beep as one cycle).

⚠ CAUTION

It might be difficult to hear beeps due to the volume of audio or air flow noise of the air conditioning. To avoid an accident or injury, drive slowly using the brakes while visually confirming a safe distance around your vehicle.

— Detection range of sensors



▶ **1 About 1.5 ft. (50 cm)**
2 About 1.5 ft. (50 cm)
3 About 4.5 ft. (150 cm)
4 About 1.5 ft. (50 cm)

The sensor detection range is limited around the bumper. Be sure to confirm a safe distance around your vehicle and drive slowly.

The range of the sensors may change depending on the shape of the object etc..

The Lexus parking assist−sensor may not work properly in the following cases:

- When the bumper is damaged.
- When the part near the sensors is subjected to a strong impact.
- When an accessory is installed within the sensor detection range.
- When snowflakes or mud gets on the sensors.
  (If removed, the parking assist−sensor will work properly.)
- When water is splashed from a high pressure car wash or steam on the sensors.
- When a sensor is covered with your hand.
- When the vehicle is tilted.
- In extreme hot or cold weather
  (In extreme cold weather, the error display appears and the parking assist−sensor becomes inoperative.)
- When driving on bumpy roads, slopes, gravelled roads or grass.
- Devices issuing ultrasonic waves are operated around your vehicle, such as a horn from another vehicle, motorcycle engine, air braking sound from heavy−duty vehicles.

- When another vehicle equipped with ultrasonic sensors gets close to your vehicle.
- When heavy rain or water is splashed over the vehicle.
  (Drive carefully as the braking distance may be affected.)
- When a radio antenna or fender pole is mounted on your vehicle.
- If towing eyelet is installed on your vehicle.
- When you are driving towards a tall curb stone or curb stone having right angle.
- The detection range for an object such as a traffic sign may be shortened.
- An object just under the bumper cannot be detected. Although an object lower than the location of sensors is once detected, the detection might be stopped when your vehicle gets closer to the object.
- When an obstacle is very close to the sensors.

The Lexus parking assist−sensor may not detect the following:

- Thin objects such as wire or rope
- Sound wave absorbing objects such as cotton or snow
- Objects with a sharp edge
- Tall objects with the upper part projected
- Shorter objects

⚠ CAUTION

Do not install accessories within the sensors' detection areas, as this may cause the Lexus parking assist−sensor to function incorrectly, possibly leading to an accident.

— Lexus parking assist−sensor failure warning

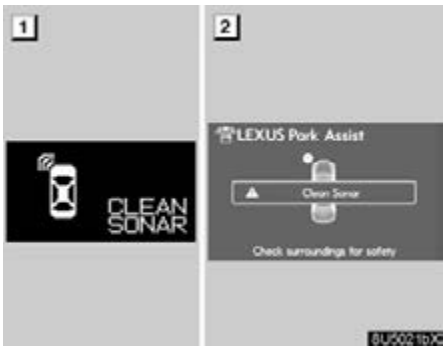
If an error is detected when the parking assist−sensor is turned on, the vehicle symbol comes on or flashes with beeping sounds.

However, the sensors functioning properly continue their obstacle detection.

The parking assist−sensor failure warning display is not given in either of the following operations:

- Changing to another screen
- Turning off the main switch for the Lexus parking assist−sensor

(a) When snowflakes or mud gets on the sensors



▶ 1 **Multi−information display**
2 **Touch screen**

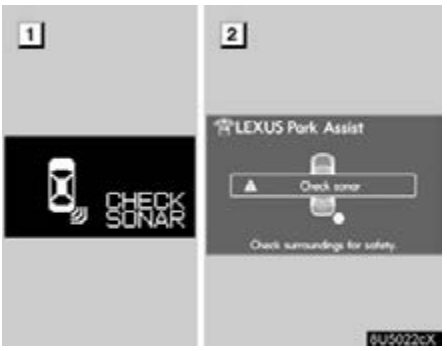
If foreign matter gets on the sensors and the parking assist−sensor cannot detect the object properly, the above message appears. At this time, the vehicle symbol and the indicator bars corresponding to the faulty sensors flash for about 7 seconds and 2 beeps sound 5 times.

After about 7 seconds, the sensor indicator bars will cease flashing, however will stay lit until the affected sensor is cleaned. Furthermore, the vehicle symbol will continue to flash until the affected sensor is cleaned.

The above illustration shows the sensor on the left front of the vehicle malfunctioning.

If the failure warning does not go off even after the foreign matter is removed, the parking assist−sensor may be malfunctioning. Have it checked by your Lexus dealer.

(b) When the sensor is malfunctioning



▶ 1 **Multi−information display**
2 **Touch screen**

If the sensor cable is broken and the parking assist−sensor cannot detect the object properly, the above message appears. At this time, the indicator bars corresponding to the faulty sensor flash for about 7 seconds and 2 beeps sound 5 times.

The indicator bars continue lighting after flashing.

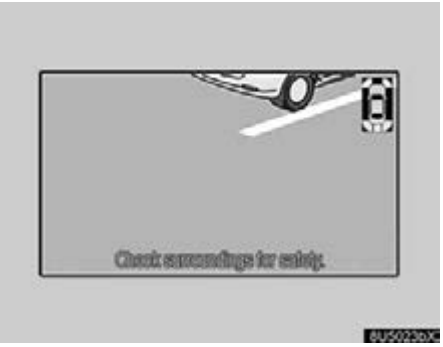
The above illustration shows the sensor on the right rear of the vehicle malfunctioning.

If this message appears, have the parking assist−sensor checked by your Lexus dealer.

As the parking assist−sensor might be malfunctioning in the following cases, have it checked by your Lexus dealer.

- The indicator in the instrument cluster does not come on and a beep does not sound even when the parking assist−sensor main switch is turned on.
- The warning comes on despite no obstacle around the vehicle.

— Rear view monitor display (Vehicles with rear view monitor system)

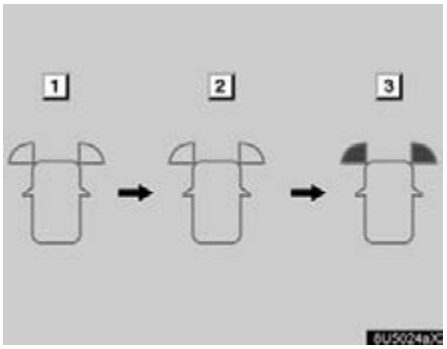


On vehicles equipped with rear view monitor system, a warning appears on the right top of the parking assist monitor in the following conditions.

- When the shift lever is put in “R” (automatic transmission) or reverse (manual transmission) and the rear view monitor is turned on.
- When the parking assist−sensor main switch is turned on and any sensor detects an obstacle.

Although “Display OFF” is selected in the Lexus parking assist−sensor setting screen, the warning appears on the right top of the rear view monitor display.

— Front corner sensors

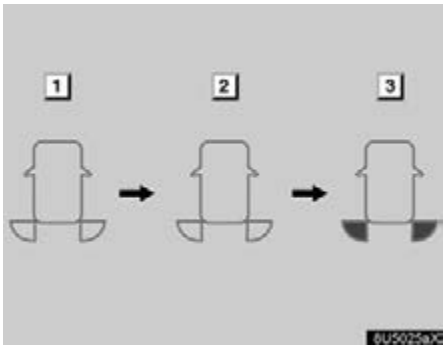


▶ 1 **About 1.1 ft. (37.5 cm) to about 1.5 ft. (50 cm)**
2 **About 0.8 ft. (25 cm) to about 1.1 ft. (37.5 cm)**
3 **Less than about 0.8 ft. (25 cm)**

Display:
When an obstacle is detected, the indicator will flash yellow. The flashing speed becomes faster as the vehicle gets closer to the obstacle. When the distance between the vehicle and the obstacle is less than about 0.8 ft. (25 cm), the indicator will illuminate in red.

Beeps:
As distance to the obstacle gets closer, the interval of the intermittent sound gets shorter, and then finally changes to a continuous sound when the distance between the vehicle and the obstacle is less than about 0.8 ft. (25 cm).

— Rear corner sensors

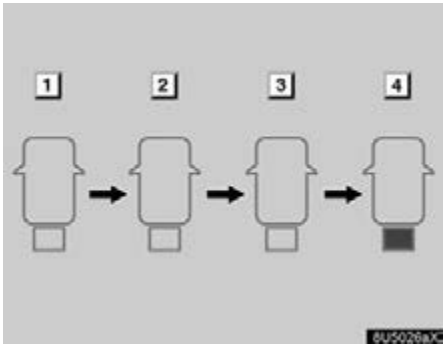


▶ 1 **About 1.1 ft. (37.5 cm) to about 1.5 ft. (50 cm)**
2 **About 0.8 ft. (25 cm) to about 1.1 ft. (37.5 cm)**
3 **Less than about 0.8 ft. (25 cm)**

Display:
When an obstacle is detected, the indicator will flash yellow. The flashing speed becomes faster as the vehicle gets closer to the obstacle. When the distance between the vehicle and the obstacle is less than about 0.8 ft. (25 cm), the indicator will illuminate in red.

Beeps:
As distance to the obstacle gets closer, the interval of the intermittent sound gets shorter, and then finally changes to a continuous sound when the distance between the vehicle and the obstacle is less than about 0.8 ft. (25 cm).

— Back sensors



▶ 1 About 1.8 ft. (60 cm) to about 4.5 ft. (150 cm)
2 About 1.4 ft. (45 cm) to about 1.8 ft. (60 cm)
3 About 1.1 ft. (35 cm) to about 1.4 ft. (45 cm)
4 Less than about 1.1 ft. (35 cm)

Display:
When an obstacle is detected, the indicator will flash yellow. The flashing speed becomes faster as the vehicle gets closer to the obstacle. When the distance between the vehicle and the obstacle is less than about 1.1 ft. (35 cm), the indicator will illuminate in red.

Beeps:
As distance to the obstacle gets closer, the interval of the intermittent sound gets shorter, and then finally changes to a continuous sound when the distance between the vehicle and the obstacle is less than about 1.1 ft. (35 cm).

⚠ CAUTION

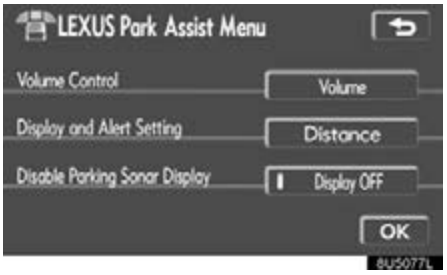
When reversing, be sure to visually confirm a safe distance around your vehicle to avoid an accident.

— Setting the Lexus parking assist−sensor

The volume of the beeps and turning on or off of the display can be set.

1. Push the “INFO” button to display the menu screen.

2. Touch “LEXUS Park Assist”.



3. Touch your desired item.

(a) Changing the volume of the beeps

Touch **“Volume”** to change the volume of the beeps.

The volume has 5 levels, increasing with higher value. Select your desired volume and touch to return to the previous screen.

(b) Changing display and alert settings

Touch **"Distance"** to change the distance for the back sensors display and tone indication.

Touch **"Rear"** to switch the distance for the back sensors display and tone indication, from long distance to short distance, or from short distance to long distance.

To return to the previous screen, touch .

(c) Display off setting

Vehicles with rear view monitor system — Although "Display OFF" is turned on, if the obstacle is detected during the rear view monitoring, the warning appears on the right top of the screen.

For vehicles sold in U.S.A.

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For vehicles sold in Canada.

This ISM device complies with Canadian ICES−001.

Cet appareil ISM est conforme a la norme NMB−001 du Canada.

SECTION 10

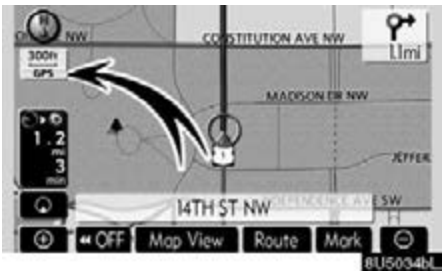
APPENDIX

- Limitations of the navigation system 294
- Map database information and updates 296

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, normally using 4 or more satellites, and in some cases 3 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 of the antenna in the instrument panel. 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 motorway 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 115.

(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 a tire, implement the operation described in the "TIRE CHANGE CALIBRATION". (See page 116.)

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 frequently change. In some places, construction on roads may be in progress. For that reason, information on some areas in this system might be different from the actual location.

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

— Changing the map DVD−ROM

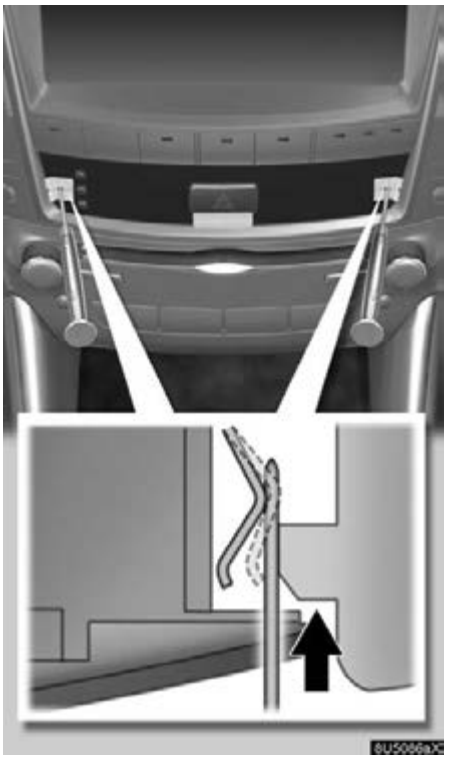
When changing the map DVD−ROM, we recommend using your Lexus dealer.

To change the map DVD−ROM yourself, follow these instructions carefully.

Do not use any tolls other than in−vehicle tools.

For the storage location of the in−vehicle tools, refer to the *"Owner's Manual"*.

1. Set the "ENGINE START STOP" switch in ACCESSORY mode.



2. Insert the 2 picks provided in the in−vehicle tools into the holes on both sides of the clock panel at a slight outward angle until you hear a "click". Remove the panel.

Do not break the connecter of the clock panel.

3. Push the “MENU” button.

4. Touch “Map DVD”.

5. Touch “⏏ DVD” to eject the map DVD−ROM.
6. Insert the new map DVD−ROM with the label side up.
7. Install the panel.

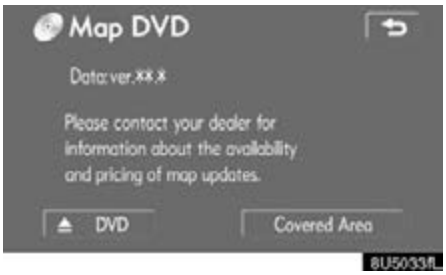
NOTICE

- *To protect from damage, when removing the clock panel, use protective tape in the positions illustrated.*
- *Never remove the clock panel, except when changing the map DVD−ROM.*
- *If you are unable to remove the clock panel easily, stop immediately and ask for assistance at your Lexus dealer.*
- *Ejecting the map DVD−ROM with the clock panel installed will cause the disc to contact the panel, and may result in a malfunction.*

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

1. **Push the “MENU” button.**

2. **Touch “Map DVD”.**



Make sure the version of the database on this screen.

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

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

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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 also designed to direct you to a destination that is unfamiliar to you in an efficient manner. The system uses DENSO maps. 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 an 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 294 through 295.

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.

Safety Instruction

To use this system in the safest possible manner, follow all the safety tips shown below.

This system is intended to assist in reaching the destination and, if used properly, can do so. The driver is 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 becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While 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 other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable touch−screen buttons are dimmed. Only when the vehicle is not moving, can the destination be set and route be selected.

⚠ CAUTION

- **For safety, the driver should not operate the navigation system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.**
- **While 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 incorrect information such as the direction of a one way street.**

While 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 reference. If the system cannot determine the current vehicle 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 following any instruction from the system, look to see whether the instruction can be done safely and legally.

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If 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 the use of video and navigation screens next to the driver.

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*: Point of Interest

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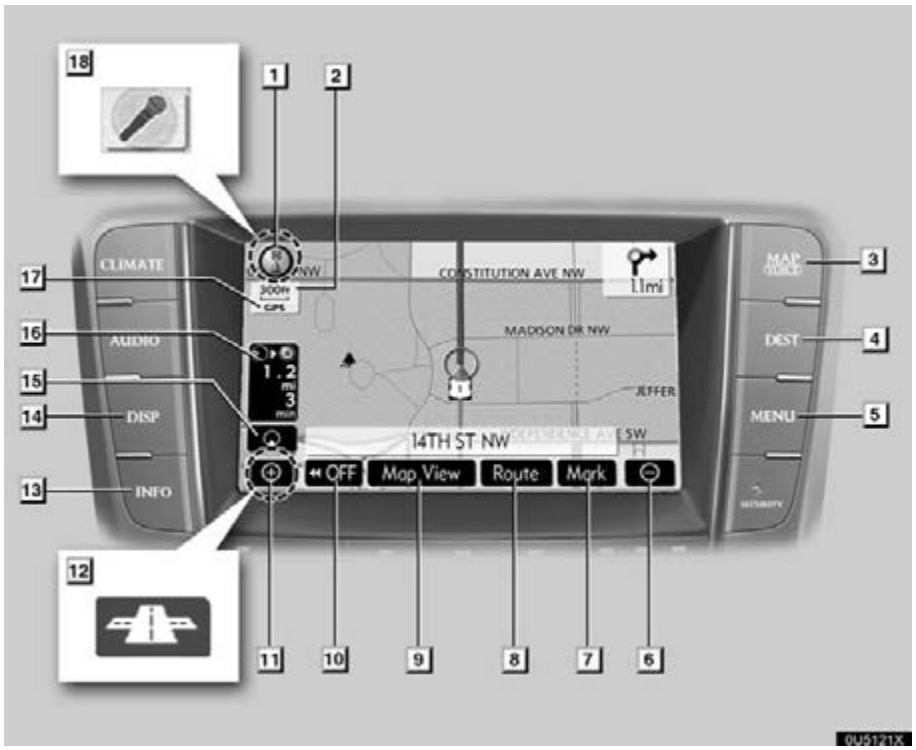
Quick guide —
— Overview buttons and guidance screen



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5	**“MENU” button**	Push this button to display the “Menu” screen.	86, 88, 89, 90, 92, 106, 305, 307

No.	Name	Function	Page
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16	**Distance and time to destination**	Displays the distance, the estimated travel time to the destination, and the estimated arrival time at the destination.	71
17	**“GPS” mark (Global Positioning System)**	Whenever the vehicle is receiving signals from the GPS, this mark is displayed.	294
18	**Speech command system indicator**	The microphone is shown by pushing the talk switch. The speech command system can be operated while this indicator is shown.	174

— Registering home

1 **Push the “DEST” button.**

2 **Touch .**

If home has not been registered, you can register it by touching .

3 **There are 11 different methods to search your home.**

See “Destination search” on page 39.

4 **Touch “Enter”.**

See “Destination search” on page 39.

5 **Touch “OK”.**

Registration of home is complete.

You can also register home by pushing the **“MENU”** button. (See “ — Registering home” on page 100.)

You can change the icon, quick access, name, location and phone number. (See “ — Editing memory points” on page 94.)

— Registering preset memory points (Quick access)

1 **Push the “DEST” button.**

2 **Touch one of the quick access buttons.**

You can set a memory point to one of the quick access buttons which has not been set.

3 **There are 12 different methods to search preset memory points.**

See “Destination search” on page 39.

4 **Touch “Enter”.**

The “Memory Point” screen is displayed.

5 Touch “OK”.

Registration of preset memory points is complete.

You can also register preset destinations by pushing the **“MENU”** button. (See “ — Registering memory points” on page 93.)

You can change the icon, quick access, name, location and phone number. (See “ — Editing memory points” on page 94.)

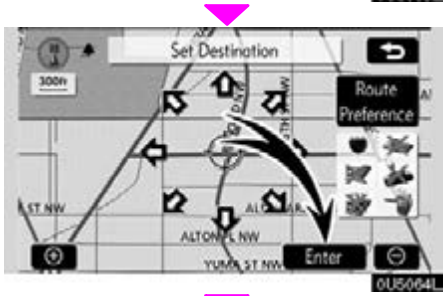
The registered points can be used on the “Destination” screen. (See “ — Destination search by Quick access” on page 42.)

— Operation flow: guiding the route

1 **Push the “DEST” button.**

2 **There are 12 different methods to search destinations.**

See “Destination search” on page 39.



3 **Touch “Enter”.**

The navigation system performs a search for the route.

4 **Touch “Guide”, and start driving.**

Routes other than the one recommended can also be selected. (See “Starting route guidance” on page 60.)

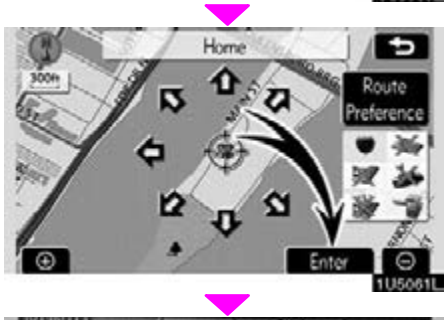
5 **Guidance to the destination is given via voice and on the guidance screen.**

— Setting home as the destination

1 **Push the “DEST” button.**

2 **Touch .**

The can be used if your home has been registered. (To register “Home”, see “ — Registering home” on page 12.)



3 **Touch “Enter”.**

The navigation system performs a search for the route.

4 **Touch “Guide”, and start driving.**

Routes other than the one recommended can also be selected. (See “Starting route guidance” on page 60.)

5 **Guidance to the destination is given via voice and on the guidance screen.**

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