

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.

**LS460_Navi_U
(L/O 0609)**

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 302 through 303.

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

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

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.

LS460_Navi_U (L/O 0609)

 CAUTION
<ul style="list-style-type: none">• 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 wrong information such as the direction of a one way street.

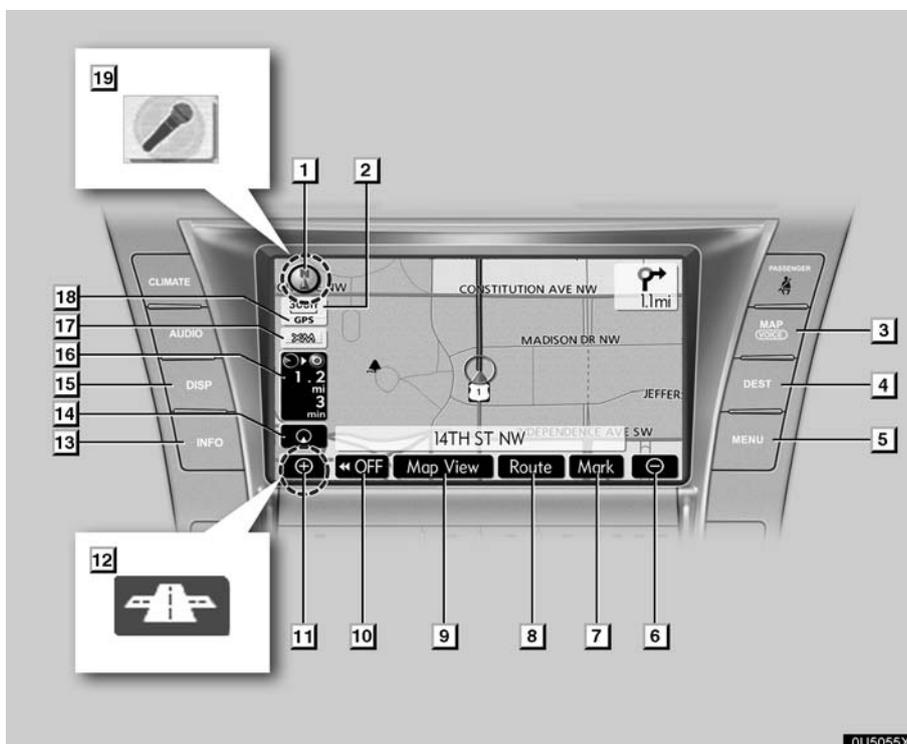
While driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do not totally rely on voice guidance. Use it just for reference. If the system cannot determine the current vehicle position correctly, there is a possibility of incorrect,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

Quick guide — — Overview buttons and guidance screen



No.	Name	Function	Page
1	North-up or heading-up symbol	This symbol indicates a map view with north-up or heading-up. Touching this symbol changes the map orientation.	16
2	Scale indicator	This figure indicates the map scale.	14
3	“MAP/VOICE” button	Push this button to repeat a voice guidance, cancel one touch scroll, start guidance, and display the current position.	8, 50
4	“DEST” button	Push this button to display the “Destination” screen.	vii, ix, xi, xii, 18, 19
5	“MENU” button	Push this button to display the “Menu” screen.	66, 68, 69, 70, 72, 85, 96, 313

No.	Name	Function	Page
6	Zoom out button	Touch this button to reduce the map scale.	14
7	“Mark”	Touch this button to register the current position or the cursor position as a memory point.	9
8	“Route”	Touch this button to change the route.	52, 54
9	“Map View”	Touch this button to browse information about guidance route, to set the Points of Interest to be displayed on the screen, or to record the route.	58, 61, 62, 63
10	“◀◀OFF”	Touch this button to obtain a broader view. Some of the buttons on the screen are not displayed. They are displayed again by touching “ON▶▶” .	88
11	Zoom in button	Touch this button to magnify the map scale.	14
12	Foot print map button	Touch this button to display the foot print map and the building information.	15
13	“INFO” button	Push this button to display the “Information” screen.	2, 102, 105, 112, 169, 172, 173, 175
14	Screen configuration button	Touch this button to change the screen mode.	12
15	“DISP” button	Push this button to display the “Display” screen.	168
16	Distance and time to destination	Displays the distance, the estimated travel time to the destination, and the estimated arrival time at the destination.	51
17	XM Traffic mark	This mark is displayed when XM Traffic information is received.	95
18	“GPS” mark (Global Positioning System)	Whenever the vehicle is receiving signals from the GPS, this mark is displayed.	302
19	Speech command system indicator	The microphone is shown by pulling the talk switch. The speech command system can be operated while this indicator is shown.	164

— Registering home

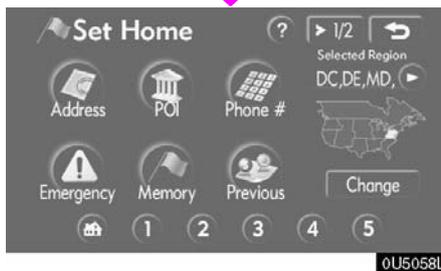


1 Push the “DEST” button.



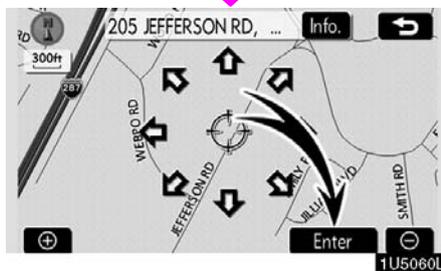
2 Touch .

If home has not been registered, you can register it by touching .



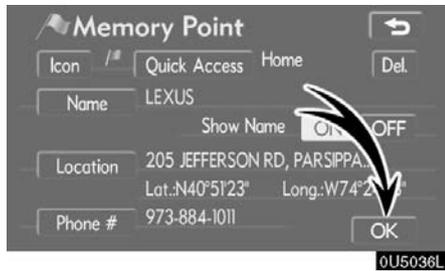
3 There are 11 different methods to search your home.

See “Destination search” on page 19.



4 Touch “Enter”.

The “Memory Point” screen is displayed.



5 Touch "OK".

Registration of home is complete.

You can also register home by touching the "MENU" button. (See " — Registering home" on page 79.)

You can change the icon, quick access, name, location and phone number. (See " — Editing memory points" on page 74.)

— Registering preset memory point (Quick access)



1 Push the “DEST” button.



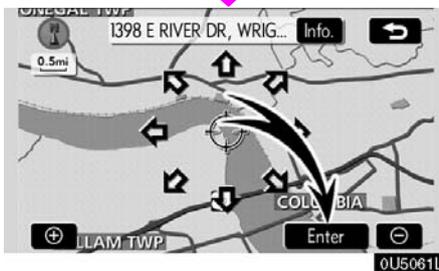
2 Touch one of the quick access buttons.

You can set a memory point to one of the quick access buttons which has not been set.



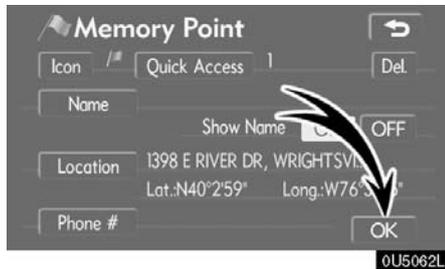
3 There are 12 different methods to search preset memory point.

See “Destination search” on page 19.



4 Touch “Enter”.

The “Memory Point” screen is displayed.



5 Touch “OK”.

Registration of preset memory point is complete.

You can also register preset destinations by touching the “MENU” button. (See “ — Registering memory points” on page 73.)

You can change the icon, quick access, name, location and phone number. (See “ — Editing memory points” on page 74.)

The registered points can be used on the “Destination” screen. (See “ — Destination search by Quick access” on page 22.)

— Operation flow: guiding the route

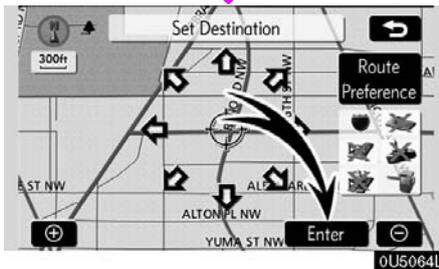


1 Push the “DEST” button.



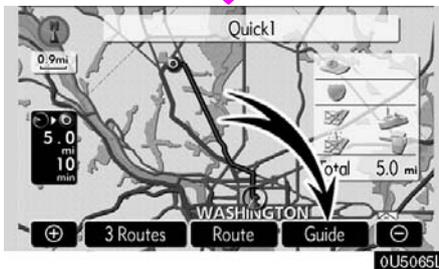
2 There are 12 different methods to search destinations.

See “Destination search” on page 19.



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 40.)

5 Guidance to the destination is given via voice and on the guidance screen.

— Setting home as the destination

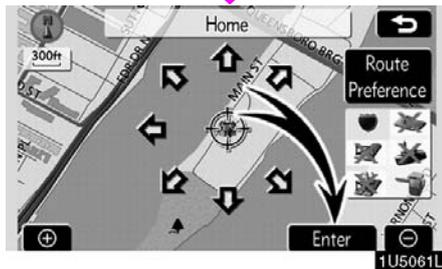


1 Push the “DEST” button.



2 Touch .

The  can be used if your home has been registered. (To register “Home”, see “— Registering home” on page vii.)



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 40.)

5 Guidance to the destination is given via voice and on the guidance screen.

SECTION I

BASIC FUNCTIONS

Basic information before operation

● Initial screen	2
● Touch screen operation	3
● Inputting letters and numbers/List screen operation	4
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Initial screen



When the engine switch is in the “ACC” or “IG-ON” mode, the initial screen will be displayed and the system will begin operating.



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



Touch “English”, “Français” or “Español” to select a language.

When “I Agree” is touched on the screen, the map screen will be displayed.

The “CAUTION” screen will be displayed when the “INFO” button is pushed and “Language” is touched. Then select a language. (See “Selecting a language” on page 175.)

● 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 102.

- **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 107.)

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 “Memo information”, see “Calendar with memo” on page 105.

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 polarised material such as polarised sunglasses, the screen may be dark and hard to see. If so, take off your sunglasses.*

Inputting letters and numbers/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 87.)*

- **To input letters**

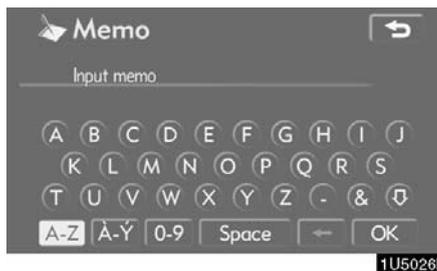
To display the alphabet keys, touch “A-Z” or “À-ÿ”.



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.

 : Touching this button displays other symbols.

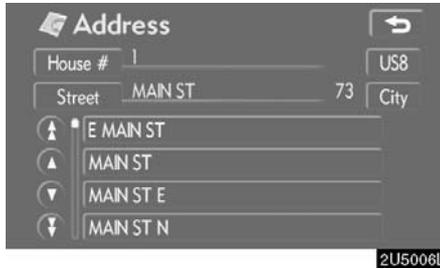
 : Touching this button displays other symbols.

- **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”.

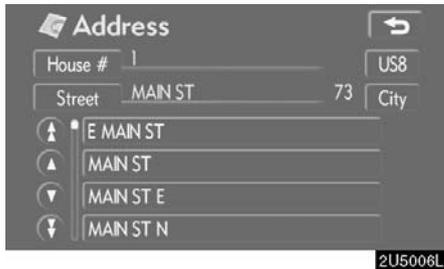


INFORMATION

*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.

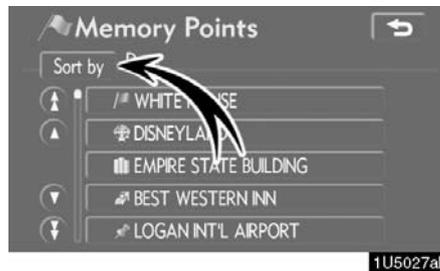
If appears to the right of the item name, the complete name is too long for the display. Touch to scroll to the end of the name.

Touch to scroll to the beginning of the name.

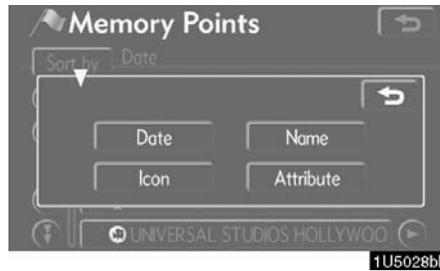
- **Sorting**

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”, “Menu”, “Address” and “XM NavTraffic” screens can be viewed.



Touch ? .



: To view the previous page.

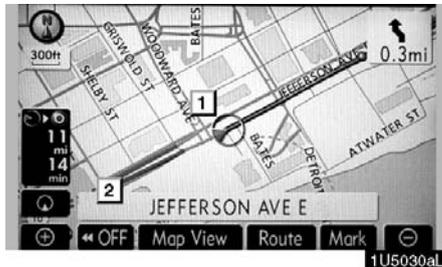
: To view the next page.

: 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 93.

— 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 the cursor mark 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 40.)

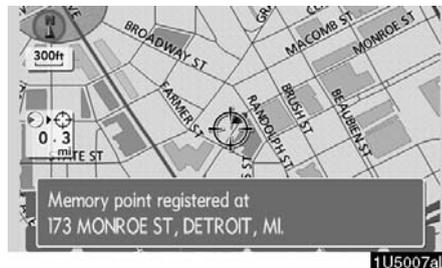
- **To register the cursor position as a memory point**

Memory point registration enables easy access to a specific point.



Touch **“Mark”**.

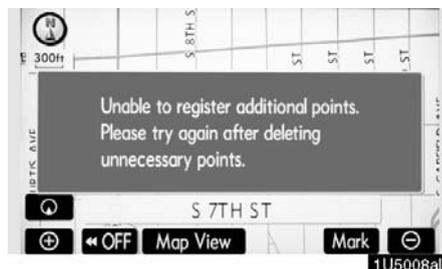
When you touch **“Mark”**, the following screen appears for a few seconds, and then the map screen returns.



The registered point is shown by  on the map.

To change the icon or name, etc., see “ — Editing memory points” on page 74.

Up to 106 memory points can be registered. If there is an attempt to register more than 106, a message appears for confirmation.



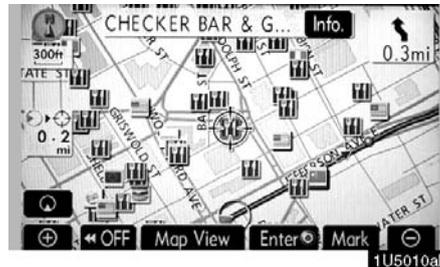
- To see information about the icon where the cursor is set



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 73.)

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

INFORMATION

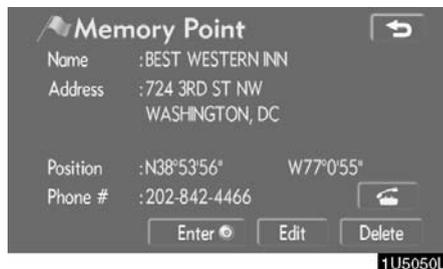
The desired Point of Interest can be displayed on the map screen. (See “ — Display POI icons” on page 58.)

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 74.)

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.”.



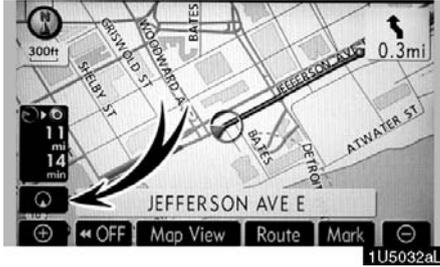
Information such as the name, address, and phone number are displayed.

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.

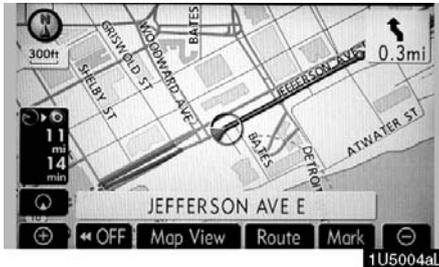
-  : To display the single map screen. (See page 13.)
-  : To display the dual map screen. (See page 13.)
-  : To display the compass mode screen. (See page 14.)
-  : To display the turn list screen. (See page 48.)
-  : To display the arrow screen. (See page 48.)
-  : To display the freeway information screen. (See page 46.)
-  : To display the intersection guidance screen or the guidance screen on the freeway. (See page 47.)

- **Screen configurations**

SINGLE MAP

This is a regular map screen.

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

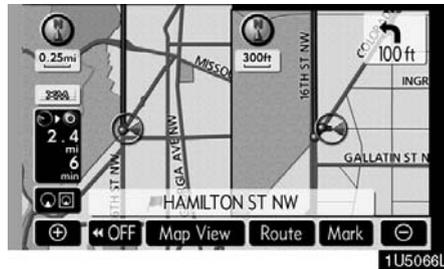


The screen shows the single map.

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. Show XM Traffic Info. (See page 95.)
4. Changing the orientation of the map

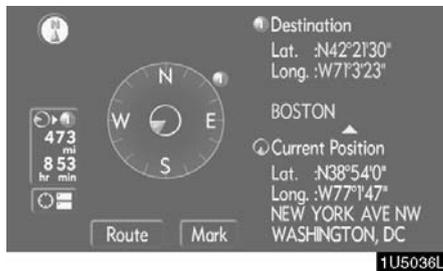
Touch "OK" when you complete editing.

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

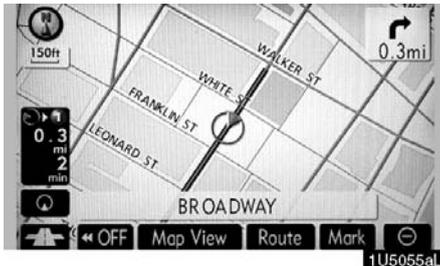
When the map scale is at the maximum range of 250 miles (400 km),  is not shown. When the map scale is at the minimum range of 150 feet (50 m),  is not shown. In areas where the foot print map is available the map scale changes from  to  when at the minimum range.

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

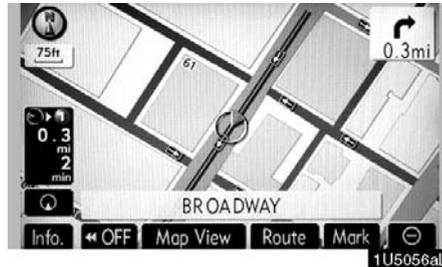


INFORMATION

- 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.

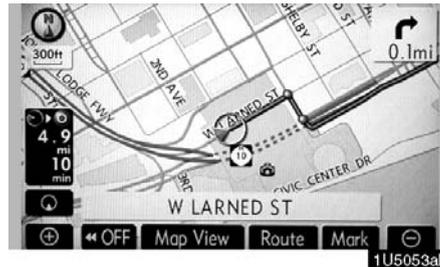
3. Touch "Building Info."



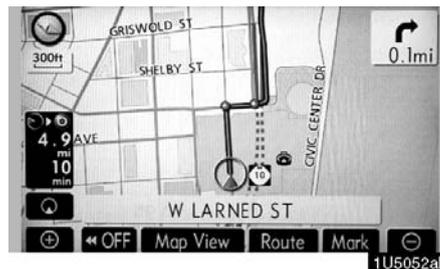
Details of POIs in some buildings may be displayed.

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

— Orientation of the map



► North-up screen



► Heading-up screen

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.



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.

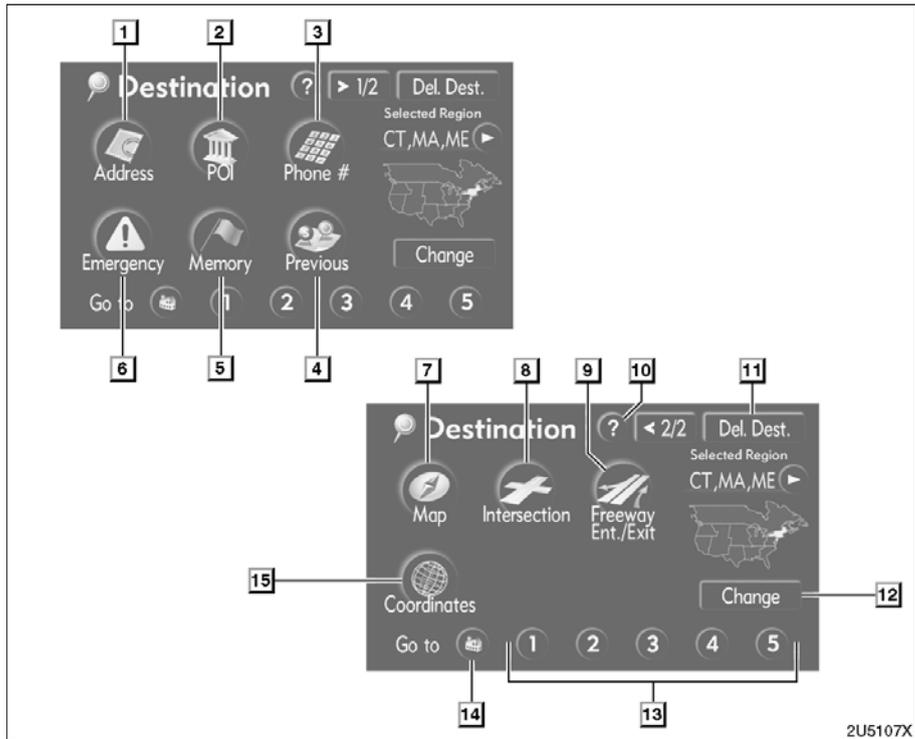
SECTION *II*

DESTINATION SEARCH

Destination search

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Quick reference (“Destination” screen)



- | | |
|--|---|
| <p>1 “Address”
A house number and the street address can be input by using the input keys. 23</p> <p>2 “POI”
Select one of the many POIs (Points of Interest) that have already been stored in the system’s database. 27</p> <p>3 “Phone #”
A destination can be entered by the telephone number. 34</p> <p>4 “Previous”
A destination can be selected from any of the last 100 previously set destinations and from the previous starting point. 35</p> | <p>5 “Memory”
The location can be selected from the registered “Memory points”. (To register memory points, see “ — Registering memory points” on page 73.) 35</p> <p>6 “Emergency”
One of the four categories of emergency service points that are already stored in the system’s database can be selected. 34</p> <p>7 “Map”
A destination can be selected simply by touching the location on the displayed map. 36</p> <p>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. 37</p> |
|--|---|

- 9** “Freeway Ent./Exit”
 The name of a freeway (interstate) entrance or exit can be entered. 38
- 10** “?”
 Function help for the “Destination” screen can be viewed on this screen. 7
- 11** “Del. Dest.”
 Set destinations can be deleted. 39
- 12** “Change”
 To change the selected region to search, touch this button. 20
- 13** **Quick access touch-screen buttons**
 One of 5 preset destinations can be selected by touching the screen directly. 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 74.) 22
- 14** **Home touch-screen button**
 A personal home address can be selected without entering the address each time. To use this function, it is necessary to set “Home” for the memory point. (To register “Home”, see “ — Registering home” on page 79.) 22
- 15** “Coordinates”
 A destination can be set by using latitude and longitude as coordinates. 39

Destination search —

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



You can use one of 12 different methods to search your destination. (See pages 22 through 39.)

INFORMATION

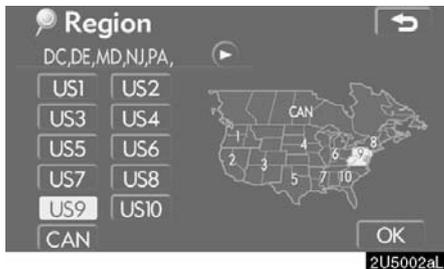
When searching the destination, the response to the touch-screen button may be slow.

— Selecting the region to search

SELECTING THE REGION TO SEARCH ON THE DESTINATION SCREEN



1. Touch “Change” on the “Destination” screen to display a map of the United States and Canada divided into 11 regions. (For map database information and updates, see “Map database information and updates” on page 304.)



2. Touch one of “US1” through “CAN” to select a region to search.
3. 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 region 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 11 regions. (For map database information and updates, see “Map database information and updates” on page 304.)



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 New Jersey Pennsylvania Virginia West Virginia
"US10"	Florida Georgia North Carolina South Carolina

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



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 40.)

If home has not been registered, a message will be displayed.

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

INFORMATION

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

— Destination search by Quick access



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 40.)

If a quick access point has not been registered, a message will be displayed.

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

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.

Touch “Address” on the “Destination” screen.



(a) Inputting a house number and a street name



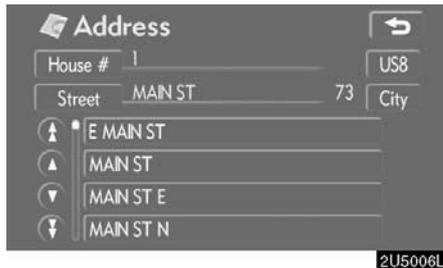
1. Touch numbers directly on the screen to input a house number.

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 and touch “List”.



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

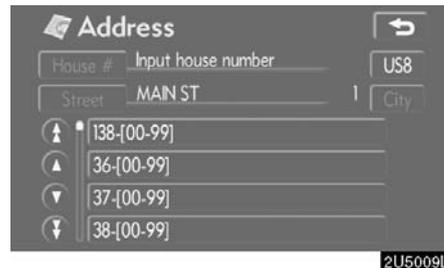
The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 40.)

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



2U5008aL

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



2U5009L

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



2U5007L

4. Select or enter the desired city.

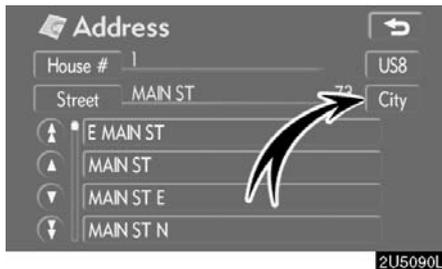
“Input Name”: To narrow down the listed items by inputting the city name.



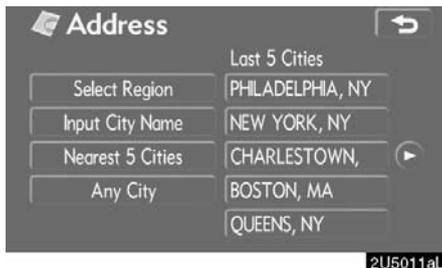
2U5010L

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 40.)

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 23.)

SELECTING FROM THE NEAREST 5 CITIES

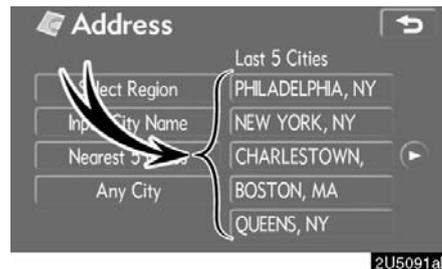
1. Touch "Nearest 5 Cities".



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 23.)

SELECTING FROM THE LAST 5 CITIES



Touch the button of the desired city name.

If the navigation has not be used, no cities will be displayed on the screen.

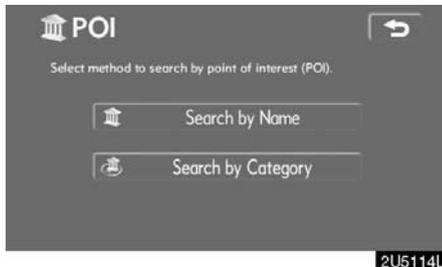
The current screen changes to the screen for inputting a house number or a street name. (See "(a) Inputting a house number and a street name" on page 23.)

— Destination search by “POI”

There are two ways to search by POI (Points of Interest).

- (a) Search by name.
- (b) Search by category.

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

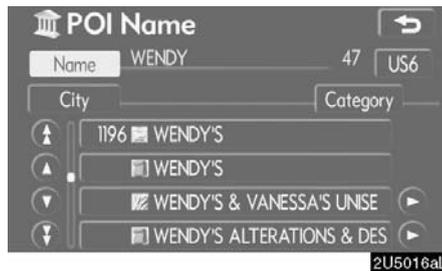


2. Touch the button for the desired method.

(a) Search by “Name”



1. Input the name of the Point of Interest.



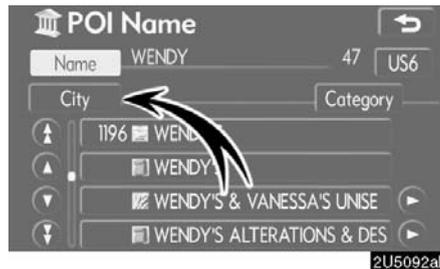
2. Touch the button of the desired destination.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 40.)

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.



● **Selecting a city to search**



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 28 and **“Selecting from the categories”** on page 30.)

Touch “City”.



INFORMATION

*The desired Point of Interest can be displayed on the map screen. (See **“Display POI icons”** on page 58.)*

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".



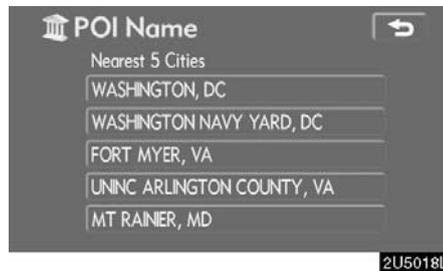
2. Input the city name.



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

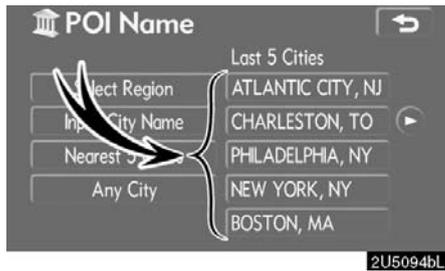
SELECTING FROM THE NEAREST 5 CITIES

1. Touch "Nearest 5 Cities".



2. Touch the button of the desired city name.

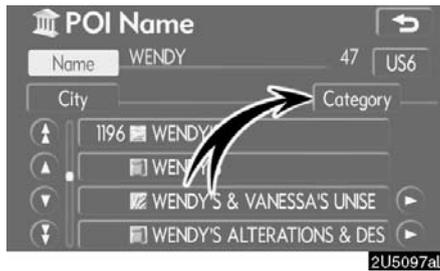
SELECTING FROM THE LAST 5 CITIES



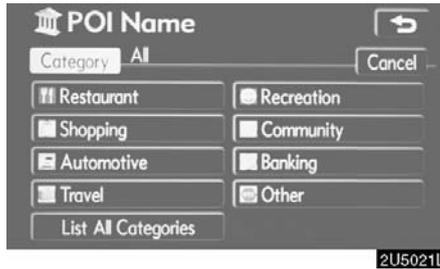
Touch the button of the desired city name.

If the navigation has not be used, no cities will be displayed on the screen.

● **Selecting from the categories**

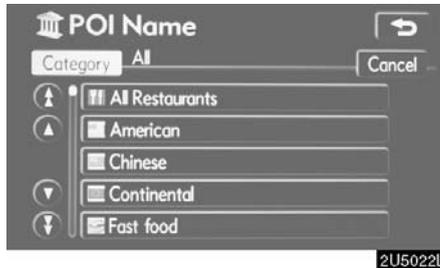


Touch "Category".



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

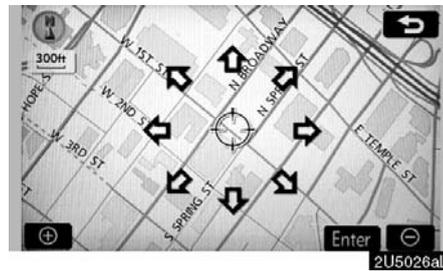
1. Touch “Input City Center”.



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.

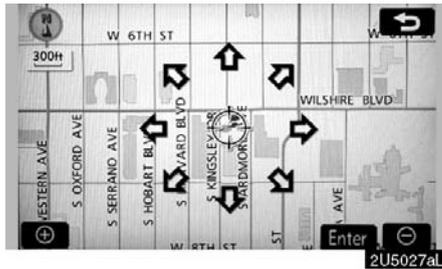
SETTING THE CURRENT POSITION AS THE SEARCH POINT

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".



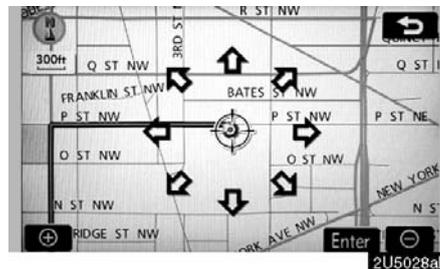
When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

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

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

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.

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 40.)

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



2. Input a telephone number.
3. 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 40.)

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 78.)*

— Destination search by “Emergency”

1. 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.



2. Touch the desired emergency category.

The selected emergency category list is displayed.



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 40.)

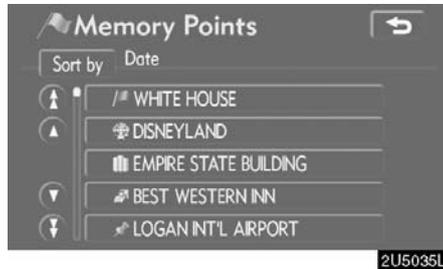
INFORMATION

The navigation system does not guide in areas where route guidance is unavailable. (See page 303.)

— Destination search by “Memory”

1. 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 72.)

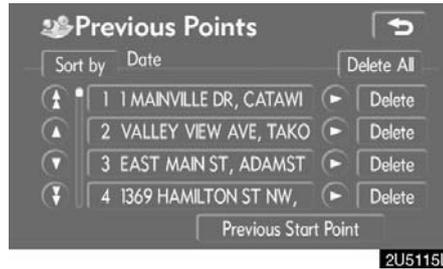


2. Touch the button of your desired memory point.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 40.)

— Destination search by “Previous”

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



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

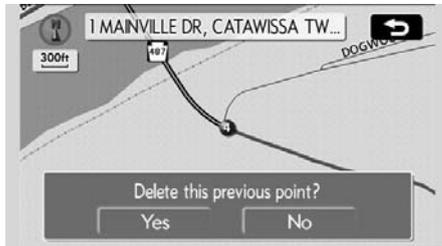
2. Touch the button of the desired destination.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 40.)

- **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.



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

INFORMATION

The list of previous destinations can be deleted by touching “Delete Previous Points” on the “My Places” screen when the vehicle is stopped. (See “ — Deleting previous points” on page 85.)

— Destination search by “Map”

Touch “Map” on the second page of the “Destination” screen.



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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 40.)

INFORMATION

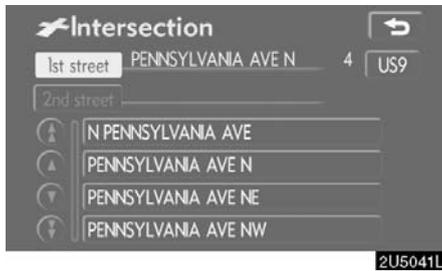
Guidance starts if “Enter” is touched even while driving. However, the cursor cannot be moved.

— Destination search by “Intersection”

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

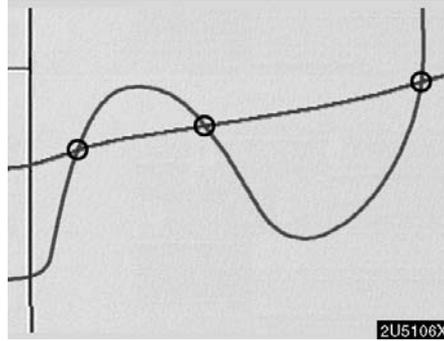


2. Input the name of the two intersecting streets which are located near the destination to be set.



3. 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 40.)



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 40.)

— Destination search by “Freeway Ent./Exit”

1. 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).



2. Select the desired freeway by touching the button.



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



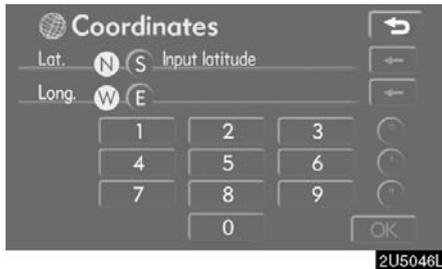
4. Touch the button of the desired entrance or exit name.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 40.)

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

— Destination search by “Coordinates”

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



2. Input the latitude and the longitude.
3. 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 40.)

— Deleting set destinations

A set destination can be deleted.

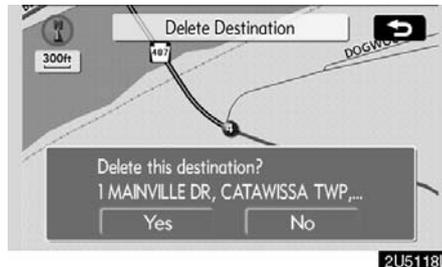
1. Touch “Del. Dest.” on the “Destination” screen.

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



2. Touch the destination for deletion.

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



A message appears to confirm the request to delete.

3. 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.

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

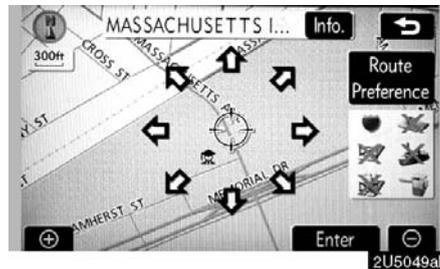
The system searches for the guidance route again, and displays the entire route.

INFORMATION

Set destinations can also be deleted by touching “Route”. (See “ — Deleting destinations” on page 53.)

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 

“Add to 

“Replace 

“Route Preference””: To change the route preference. (See page 42.)

“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 42.)

"Route": To change the route. (See pages 52 and 54.)

INFORMATION

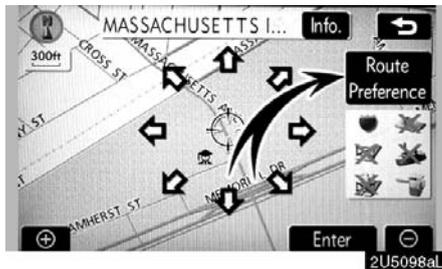
- Guidance can be suspended or resumed. (See "Suspending and resuming guidance" on page 68.)
- If "Guide" is touched until a beep sounds, demo mode will start. Push the "MAP/VOICE" button to finish Demo mode.
- The route for returning may not be the same as that for going.
- The route guidance to the 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 (800m), the map scale changes to 0.5 miles (800m) 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 wrong 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.

3 Routes Info.

	Quick1	Quick2	Short
1	7h 59min	9h 36min	7h 58min
2	438miles	527miles	435miles
3	171miles	67miles	171miles
4	434miles	521miles	429miles
5			

2U5096aL

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

SECTION *III*

ROUTE GUIDANCE

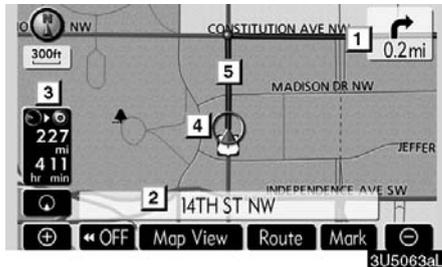
Route guidance

- Route guidance screen 46
- Typical voice guidance prompts 49
- Distance and time to destination 51
- Setting and deleting destination 52
 - Adding destinations 52
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- Setting route 54
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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

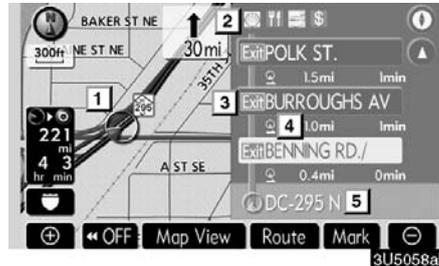
INFORMATION

- *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.

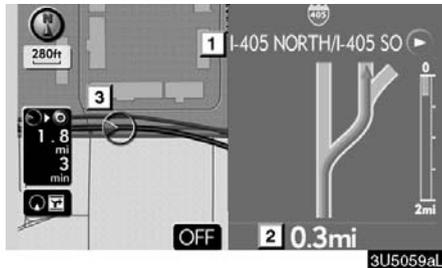


- 1 Current position
- 2 Points of Interest that are close to a freeway exit
- 3 Exit number and junction name
- 4 Distance from the current position to the exit or junction
- 5 Current street name

- 📍: 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.

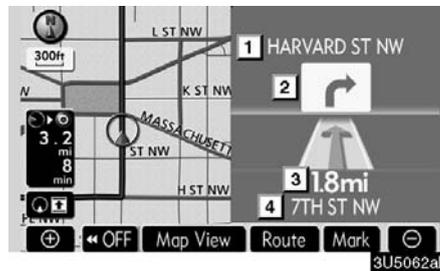


- 1** Next street name or destination name
- 2** Turn direction
- 3** Distance between turns
- 4** Current street name

ARROW SCREEN

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

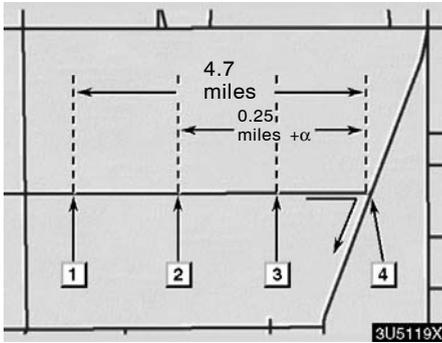
Touching  during guidance displays the arrow screen.



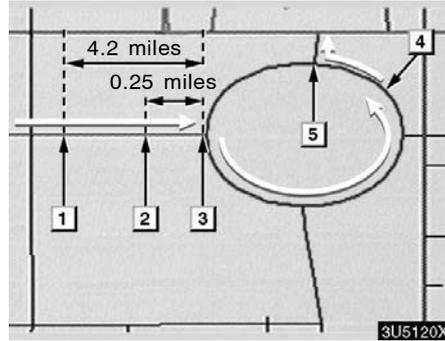
- 1** Exit number, street name containing number or next street name
- 2** Turn direction
- 3** Distance to the next turn
- 4** Current street name

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.



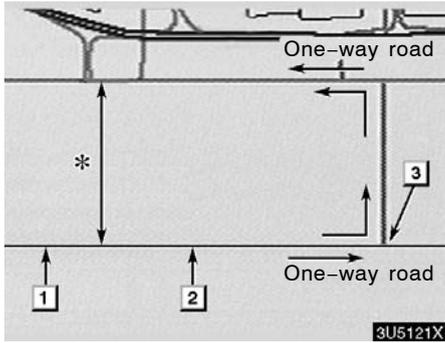
- 1 "Proceed about 5 miles."
- 2 "In a quarter of a mile, right turn."
- 3 "Right turn."
- 4 (Beep sound only)



- 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)

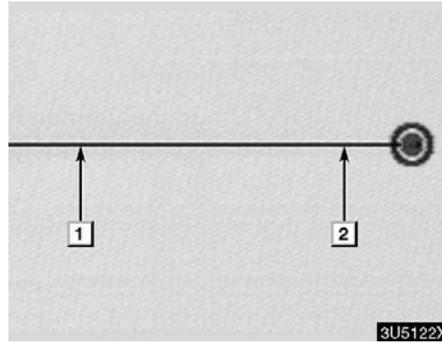
INFORMATION

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.



*: 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)



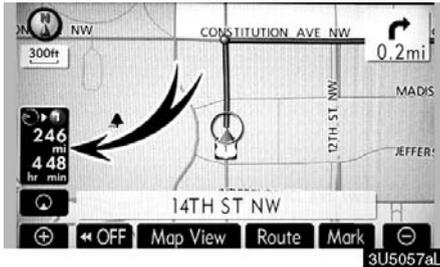
The system announces the approach to the final destination.

- 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 69.*

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.



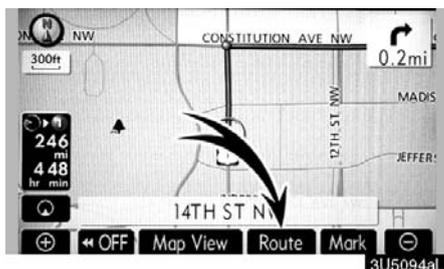
Displayed while driving off the guidance route. The destination direction is indicated by an arrow.

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 86.) 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.

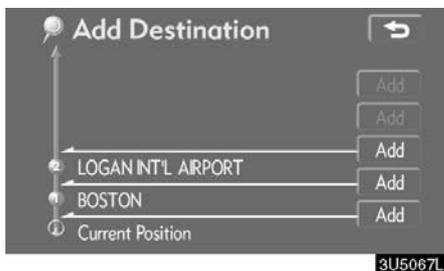


1. Touch “Route”.



2. Touch “Add”.

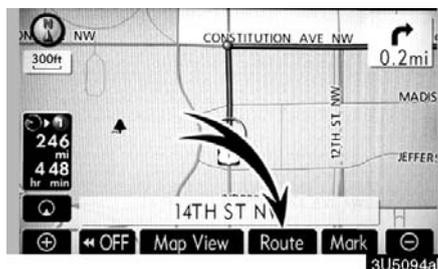
3. Input an additional destination in the same way as the destination search. (See “Destination search” on page 19.)



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

— Reordering destinations

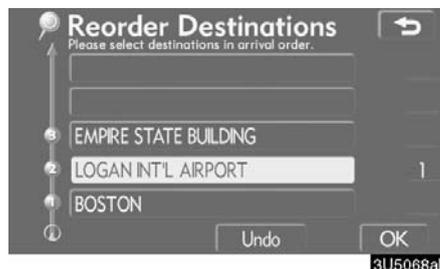
When more than one destination is set, you can change the arrival order of the destinations.



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.

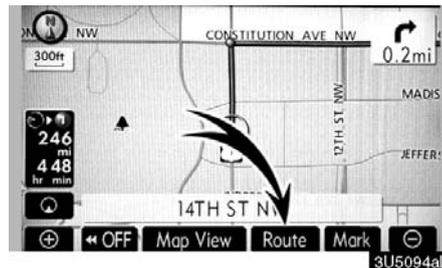
Touching “Undo” will cancel each selected order number from the previously input number.

— Deleting destinations

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.

A set destination can be deleted.

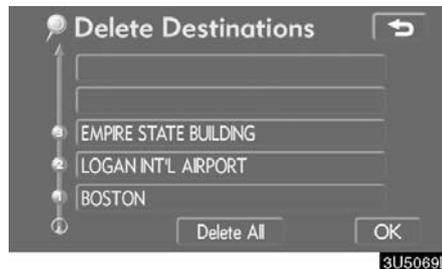


1. Touch “Route”.



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.

Setting route — — Search condition

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

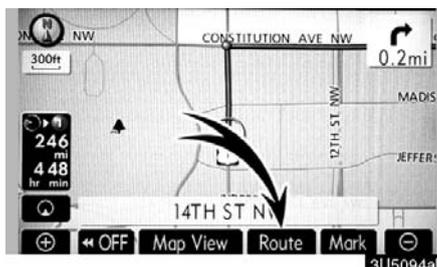
If “Yes” is touched, the data cannot be recovered.

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

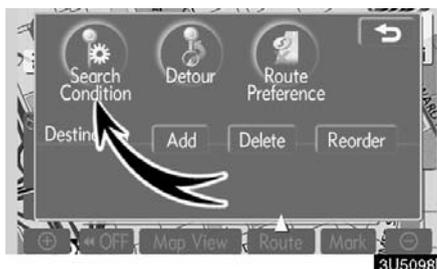
5. If more than one destination is set, touch “OK” after deleting the destinations.

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

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”.



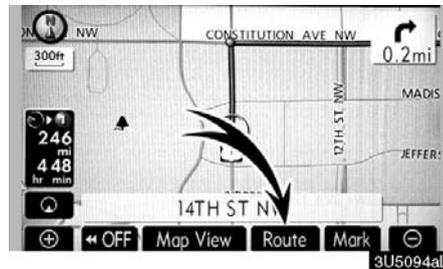
The entire route from the starting point to the destination is displayed.

“**Guide**”: To start guidance.

“**Route**”: To change a route. (See pages 52 and 54.)

— 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”.

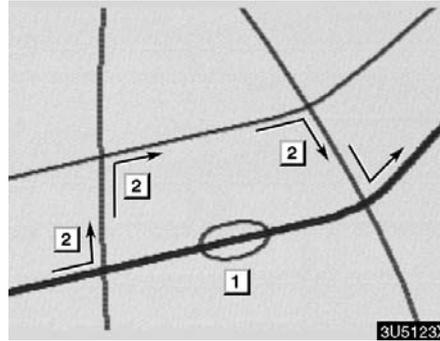


3. Select the button below to select the desired detour distance.

“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.

“Around Traffic”: If you touch this button, the system will search for the route based on the traffic congestion information received from XM NavTraffic. For details, see “XM NavTraffic” on page 95.



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

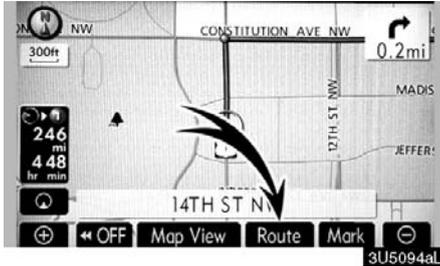
- 1** This position indicates the location of a traffic jam caused by road repairs or an accident.
- 2** This route indicates the detour suggested by the system.

INFORMATION

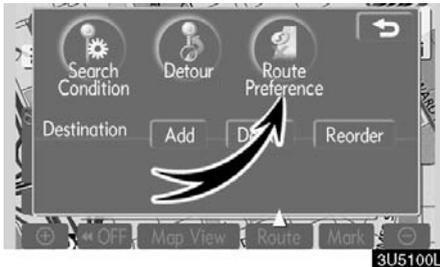
- **When your vehicle is on a freeway, the detour distance selections are 5, 15, and 25 miles (km).**
- **The system may not be able to calculate a detour route depending on the selected distance and surrounding road conditions.**

— Route preference

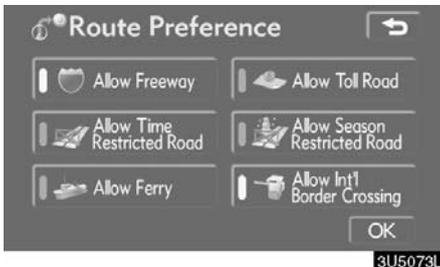
A number of choices are provided on the conditions which the system uses to determine the route to the destination.



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.

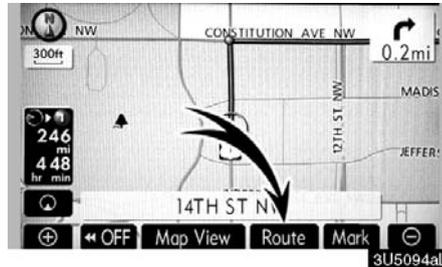
When searching for a route, the system will avoid routes when the indicator is off.

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

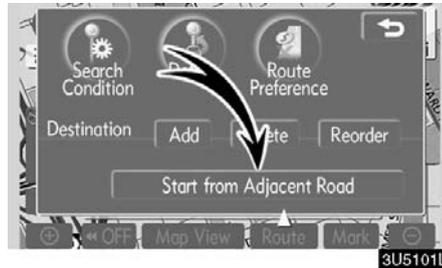
— Starting route from adjacent road

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”.

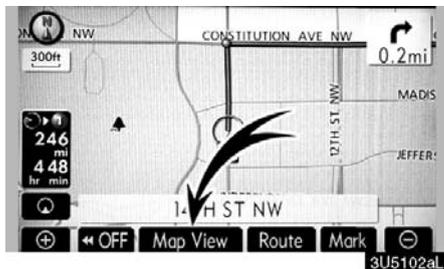


2. Touch “Start from Adjacent Road”.

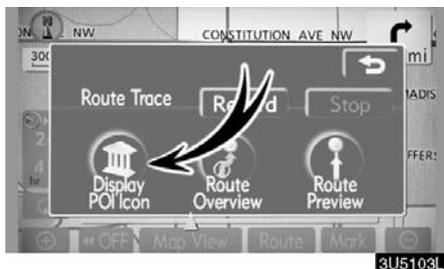
When there is no adjacent road, this button will not be displayed.

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 89.)

- **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 60.)

Touch “Other POIs” 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.

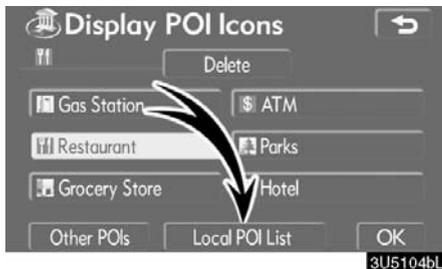
The selected category icon appears on the top left of the screen.

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.



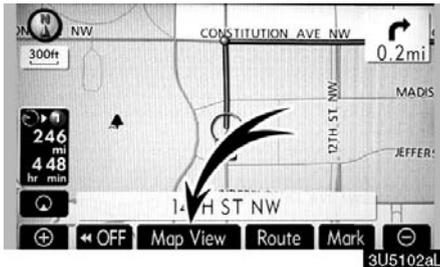
1. Directly touch the Point of Interest icon that you want to set as a destination.

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 40.)

— 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 52 and 54.)

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

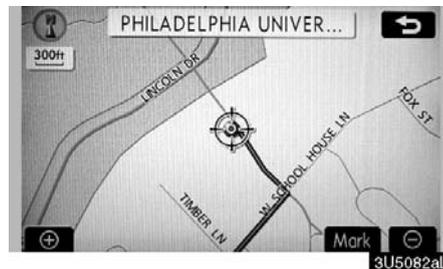


You can scroll through the list of roads by touching ▲ or ▼. However, not all road names in the route may appear on the list. If a road changes its name without requiring a turn (such as on a street that runs through two or more cities), the name change will not appear on the list. The street names will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

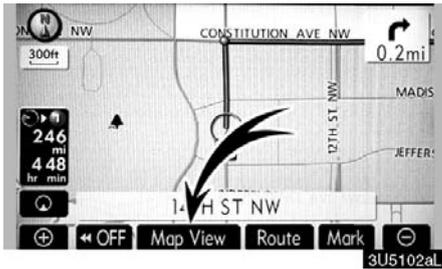
- ▲ These marks indicate the direction in which you should turn at an intersection.
- ◻ These marks indicate the direction in which you should turn at an intersection.

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

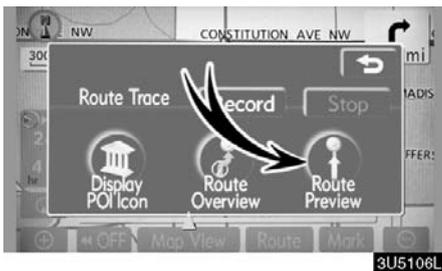
The point which you choose is displayed on the map screen.



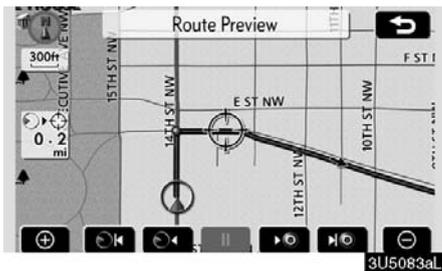
— Route preview



1. Touch “Map View”.



2. Touch “Route Preview”.



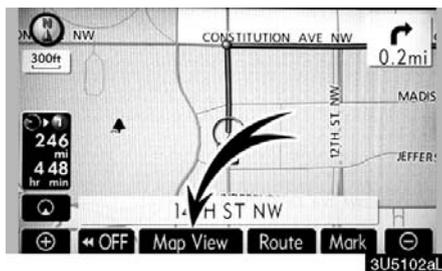
- : To indicate the next destination.
- : To preview the route to the next destination.
- : To preview the route to the next destination in fast-forward mode.
- : To stop the preview.
- : To review the route to the previous destination or starting point.
- : To review the route to the previous destination 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).



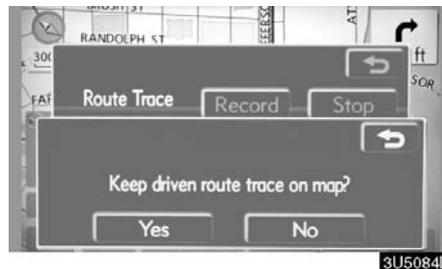
Touch “Map View”.



“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.

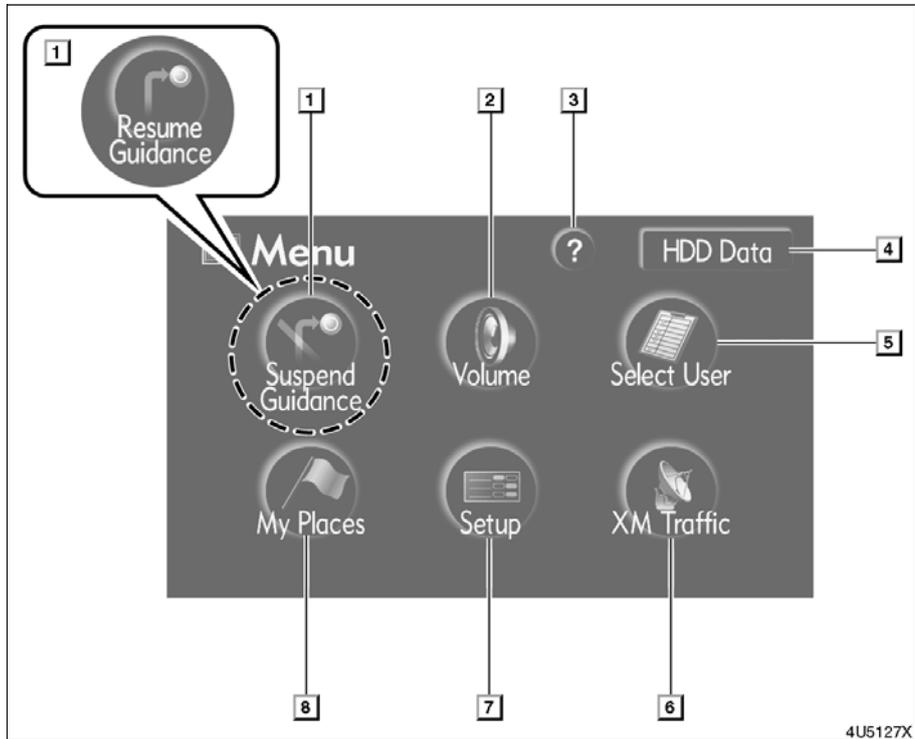
SECTION *IV*

ADVANCED FUNCTIONS

Descriptions of functions for more effective use

- Quick reference ("Menu" screen) 66
- Quick reference ("Setup" screen) 67
- Suspending and resuming guidance 68
- Volume 69
- User selection 70
- My places 72
 - Registering memory points 73
 - Editing memory points 74
 - Deleting memory points 79
 - Registering home 79
 - Deleting home 80
 - Registering area to avoid 80
 - Editing area to avoid 81
 - Deleting area to avoid 84
 - Deleting previous points 85
- Setup 85
- XM NavTraffic 95

Quick reference (“Menu” screen)



1 “Suspend Guidance” and “Resume Guidance”

Suspends or resumes guidance. 68

2 “Volume”

Sets the volume for voice guidance. 69

3 “?”

Function help for the “Menu” screen can be viewed on this screen. 7

4 “HDD Data”

Displays information regarding the map data and CDDB version or covered area. 304

5 “Select User”

Up to 3 different settings for different users can be memorized. 70

6 “XM Traffic”

Sets XM Traffic information. 95

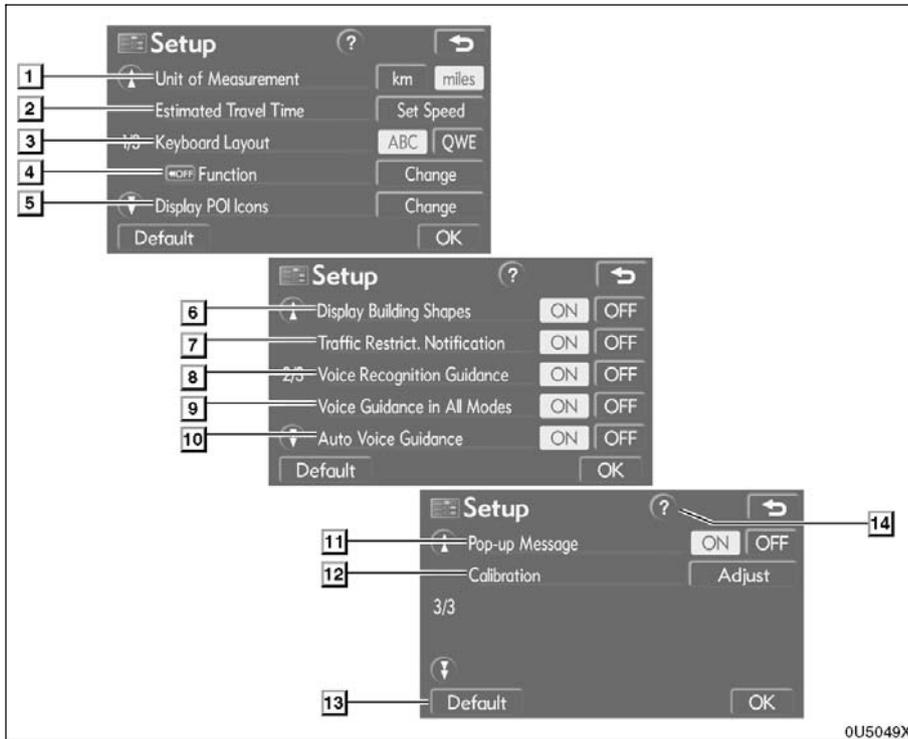
7 “Setup”

Enables various settings for the navigation system. 67, 85

8 “My Places”

Enables changes to “Memory points”, “Home” and “Areas to avoid”. Enables deletion of the previous point. 72

Quick reference (“Setup” screen)



<p>1 “Unit of Measurement” The distance units “km” or “miles” can be selected. 86</p> <p>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. 86</p> <p>3 “Keyboard Layout” Key layout can be changed. 87</p> <p>4 “OFF Function” The choice whether to display each touch-screen button and current street name on the map screen can be set. 88</p>	<p>5 “Display POI Icons” A selection of 6 icons displayed on the “Display POI Icons” top screen is possible. 89</p> <p>6 “Display Building Shapes” Selection of either ON or OFF to display the building shape on the map screen is possible. 90</p> <p>7 “Traffic Restrict. Notification” Notification of seasonal restrictions can be selected. 90</p> <p>8 “Voice Recognition Guidance” Voice recognition guidance can be set. 91</p>
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9	“Voice Guidance in All Modes”	
	Voice guidance can be set in all modes.	91
10	“Auto Voice Guidance”	
	Automatic voice guidance can be set.	92
11	“Pop-up Message”	
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12	“Calibration”	
	Adjustment of the current vehicle position mark can be done manually.	93
13	“Default”	
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14	“?”	
	Function help for the “Setup” screen can be viewed.	7

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.



4U5129L

2. Touch “Resume Guidance”.



4U5026L

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

Volume

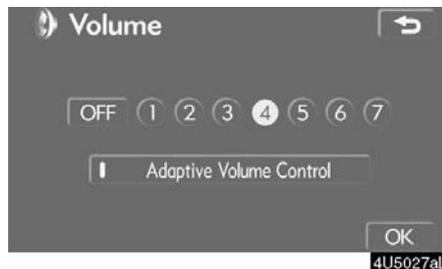
The voice guidance volume can be adjusted or switched off.

1. Push the “MENU” button.



4U5128L

2. Touch “Volume”.



4U5027aL

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.

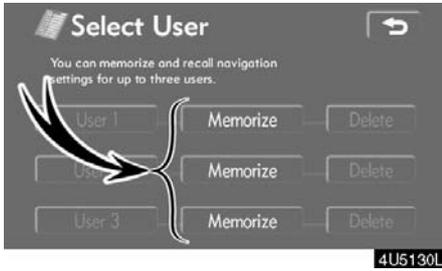
- Map direction
- Map scale
- Map configuration
- Guidance mode
- Setup
- Volume
- Language
- Route trace
- Travel time/arrival time
- Right screen of dual map
- Road preference
- Maintenance notification

1. Push the “MENU” button.



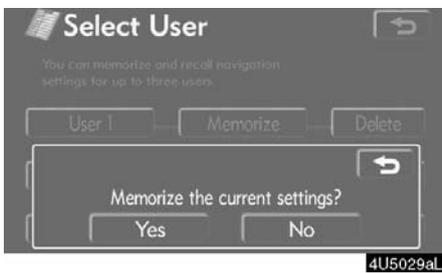
2. Touch “Select User”.

- **To register**



1. Touch **“Memorize”**.

The confirmation screen will be displayed.



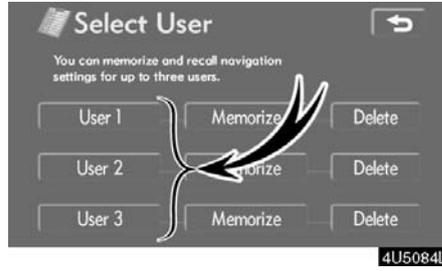
2. To register, touch **“Yes”**. To return to the previous screen, touch **“No”** or .

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

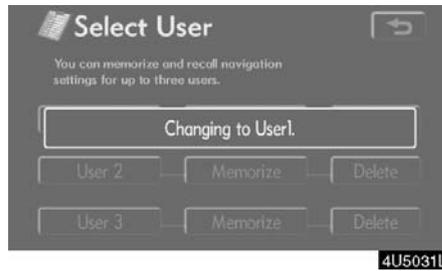


To replace, touch **“Yes”**. To cancel the replacement, touch **“No”** or .

- **To change user**

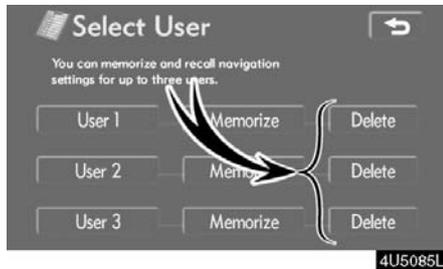


- Touch **“User number”**.



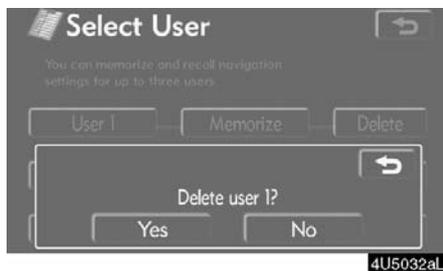
The above message appears, then the map screen will be displayed.

- **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 22, " — Destination search by Quick access" on page 22 and " — Designation search by Memory" on page 35.)

Registered areas are avoided at the time of route search.

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



2. **Touch "My Places".**

— Registering memory points



On this screen, the following operations can be performed.

- 1 **Registers memory points**
(See “ — Registering memory points” on page 73.)
- 2 **Edits memory points**
(See “ — Editing memory points” on page 74.)
- 3 **Deletes memory points**
(See “ — Deleting memory points” on page 79.)
- 4 **Registers or deletes home**
(See “ — Registering home” on page 79 or “ — Deleting home” on page 80.)
- 5 **Registers areas to avoid**
(See “ — Registering area to avoid” on page 80.)
- 6 **Edits areas to avoid**
(See “ — Editing area to avoid” on page 81.)
- 7 **Deletes areas to avoid**
(See “ — Deleting area to avoid” on page 84.)
- 8 **Deletes previous points**
(See “ — Deleting previous points” on page 85.)
- 9 **Number of remaining memory points**
- 10 **Number of remaining areas to avoid**

1. Touch “Register”.



2. Enter the location in the same way as for a destination search. (See “Destination search” on page 19.)

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



3. Touch “OK”.

To edit registered information, see “ — Editing memory Points” on page 74.

INFORMATION

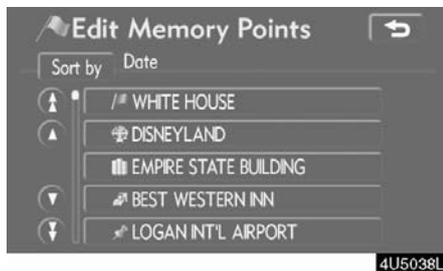
Up to 106 memory points can be registered.

— Editing memory points

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



1. Touch "Edit".



2. Touch the desired memory point button.



3. Touch the button to be edited.

"Icon": To select icons to be displayed on the map. (See page 75.)

"Quick Access": To set an attribute. Memory points with a set attribute can be used as a "Quick access" or "Home" button. (See page 76.)

"Name": To edit memory point names. The names can be displayed on the map. (See page 77.)

"Location": To edit location information. (See page 78.)

"Phone #": To edit telephone numbers. (See page 78.)

4. 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

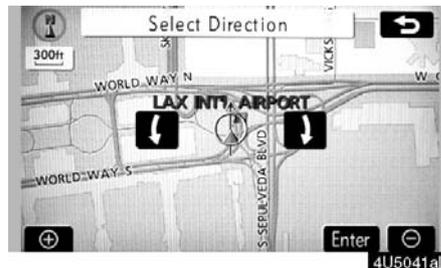
When the vehicle approaches the memory point, the selected sound will be heard.

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 22 and “ — Destination search by Quick access” on page 22.)

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 .

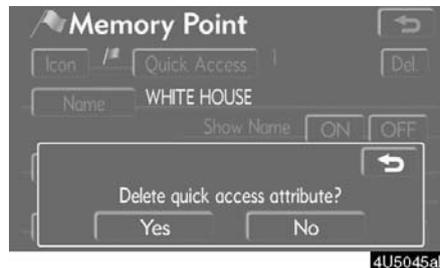
INFORMATION

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.

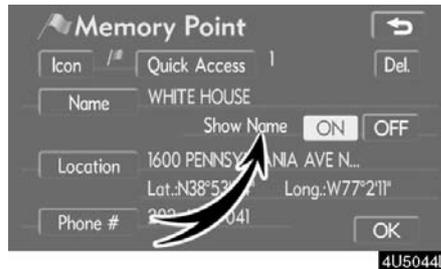
Up to 24 letters can be entered.

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.

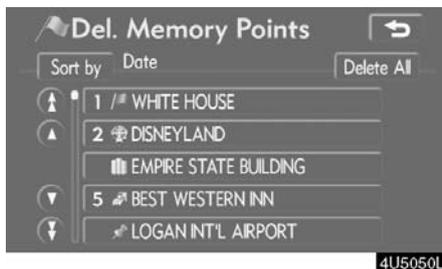
3. Touch “OK”.

The previous screen will be displayed.

— Deleting memory points



1. Touch "Delete".



2. Touch the button to be deleted.
"Delete All": To delete all memory points in the system.
3. To delete the memory point, touch **"Yes"**. To cancel the deletion, touch **"No"**.

— Registering home

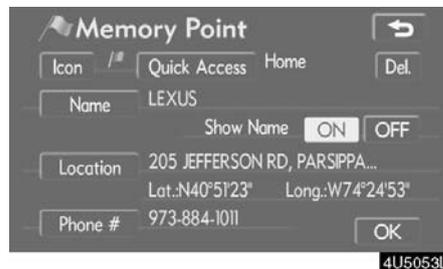
If home has been registered, that information can be recalled by using the "Home" touch-screen button on the "Destination" screen. (See " — Destination search by Home" on page 22.)



1. Touch "Register".



2. Enter the location in the same way as for a destination search. (See "Destination search" on page 19.)
 When registration of home is completed, the "Memory Point" screen will be displayed.



3. Touch "OK".
 To edit registered information, see " — Editing memory points" on page 74.

— Deleting home



1. Touch “Delete”.
2. To delete home, touch “Yes”. To cancel the deletion, touch “No”.

— Registering area to avoid

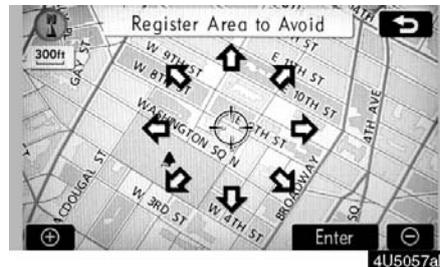
Areas you want to avoid because of traffic jams, construction work or other reasons can be registered as areas to avoid.



1. Touch “Register”.



2. 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 19.)



3. Touch the eight directional touch-screen button to move the cursor to the desired point on the map.
4. Touch “Enter”.



5. Touch either  or  to change the size of the area to be avoided.
6. Touch “OK”.

INFORMATION

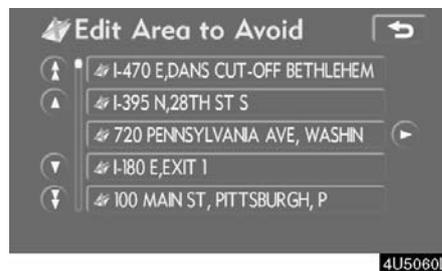
- *If a destination is input in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to be avoided may be shown.*
- *Up to 10 locations can be registered as points/areas to avoid. If there are 10 locations already registered,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

— Editing area to avoid

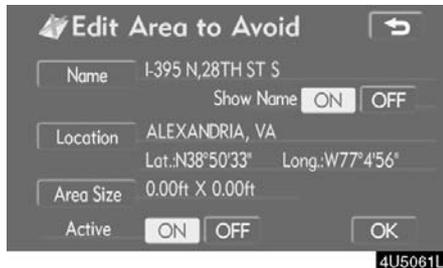
The name, location and/or area size of a registered area can be edited.



1. Touch “Edit”.



2. Touch the desired area button.



3. 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 82.)

“Location”: To edit area location. (See page 83.)

“Area Size”: To edit area size. (See page 84.)

“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.

4. Touch “OK”.

● **To change “Name”**

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



2. Enter the name using alphanumeric keys.

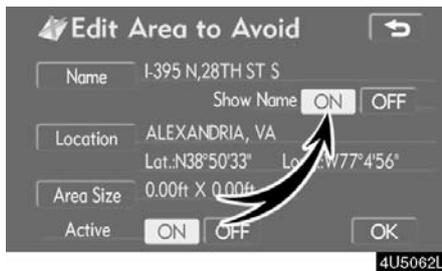
Up to 24 letters can be entered.

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.

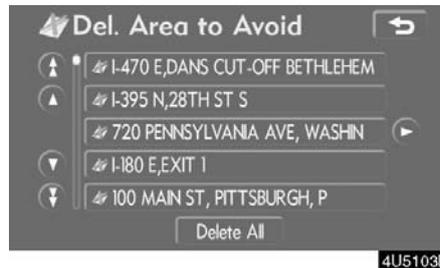
3. Touch “OK”.

The previous screen will be displayed.

— Deleting area to avoid



1. Touch “Delete”.



2. Touch the button to be deleted.

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

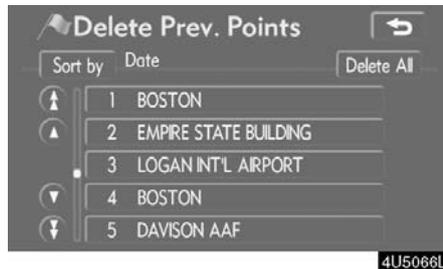
3. To delete the area, touch “Yes”. To cancel the deletion, touch “No”.

— Deleting previous points

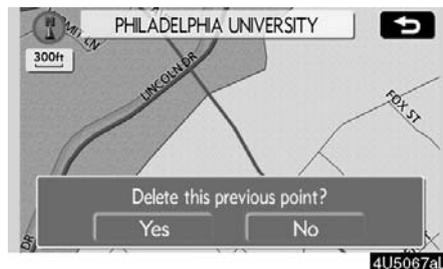
The previous destination can be deleted.



1. Touch “Delete Previous Points”.



2. Touch the button you want to delete.
“Delete All”: To delete all previous points in the system.



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

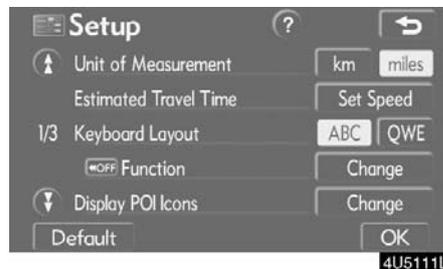
Setup

Setting the items shown on the “Setup” screen can be done. (See page 67.)

1. Push the “MENU” button.



2. Touch “Setup”.



3. Touch the items to be set.
4. Touch “OK”.

The previous screen will be displayed.

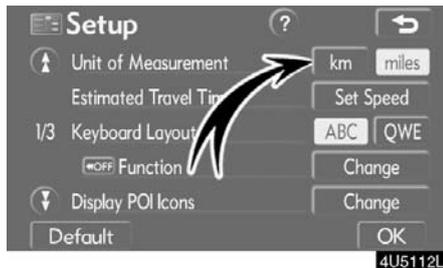
INFORMATION

To reset all setup items, touch “Default”.

- **Unit of Measurement**

Unit of measurement can be changed.

1. Touch **“Setup”** on the **“Menu”** screen.



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

The selected button is highlighted.

3. Touch **“OK”**.

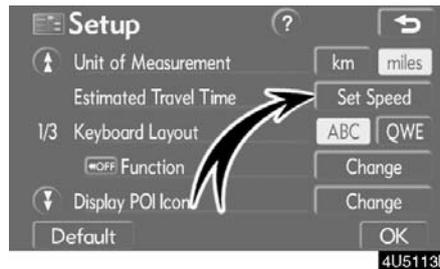
INFORMATION

This function is available only in English or Spanish. To switch language, see “Selecting a language” on page 175.

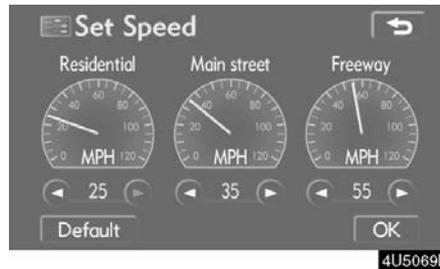
- **Estimated travel time**

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

1. Touch **“Setup”** on the **“Menu”** screen.



2. Touch **“Set Speed”** of the **“Estimated Travel Time”**.



3. Touch **◀** or **▶** to set the average vehicle speeds for **“Residential”**, **“Main street”**, and **“Freeway”**.

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

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

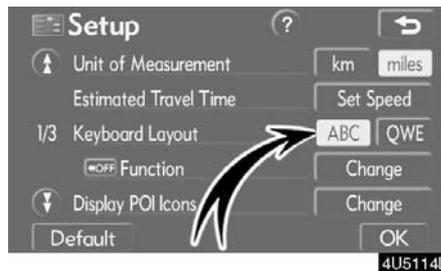
INFORMATION

- *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. Touch “Setup” on the “Menu” screen.



2. Touch “ABC” or “QWE” of “Keyboard Layout” to choose the input key layout.

LAYOUT TYPE



► “ABC” type



► “QWE” type

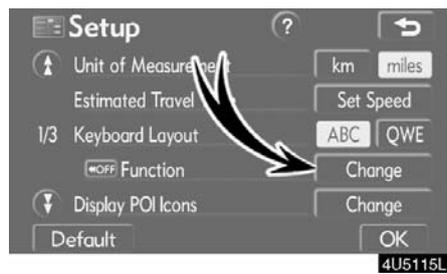
The selected button is highlighted.

3. Touch “OK”.

● Screen layout function (**OFF** Function)

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

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



2. Touch “Change” of “OFF Function”.



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

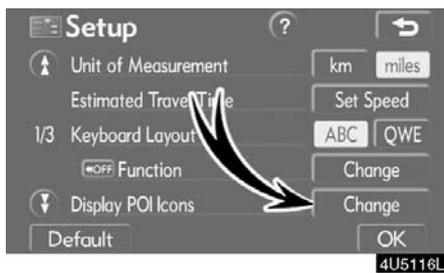
To set the default, touch “Default”.

4. Touch “OK”.

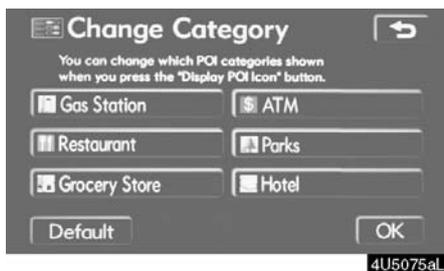
- **POI category change (Display POI Icons)**

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. Touch “Setup” on the “Menu” screen.



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



3. Touch the category button to be changed.



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

5. Touch “OK”.

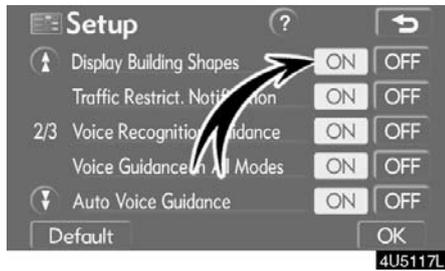
- **Display of building shape**

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

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



2. Touch **“ON”** of **“Display Building Shapes”**.

The selected button is highlighted.

3. Touch **“OK”**.

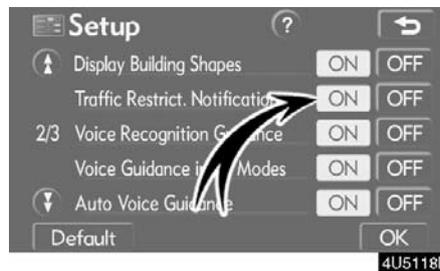
- **Notifying traffic restriction**

When the “Traffic Restrict. Notification” feature is turned on, the system will search for a route to detour around traffic or seasonal restrictions.

To turn the “Traffic Restrict. Notification” on:

1. Touch **“Setup”** on the **“Menu”** screen.

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



2. Touch **“ON”** of **“Traffic Restrict. Notification”**.

The selected button is highlighted.

3. 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. Touch **“Setup”** on the **“Menu”** screen.

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



2. Touch **“ON”** of **“Voice Recognition Guidance”**.

The selected button is highlighted.

3. Touch **“OK”**.

- **Voice guidance in all modes**

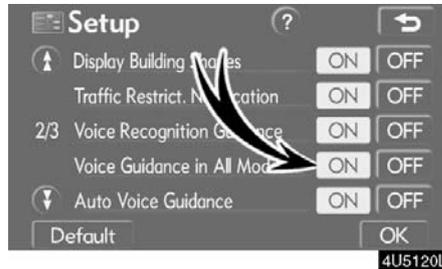
When the “Voice Guidance in All Modes” feature is turned on, the voice guidance in all modes can be heard.

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

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



2. Touch **“ON”** of **“Voice Guidance in All Modes”**.

The selected button is highlighted.

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

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



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

The selected button is highlighted.

3. Touch “OK”.

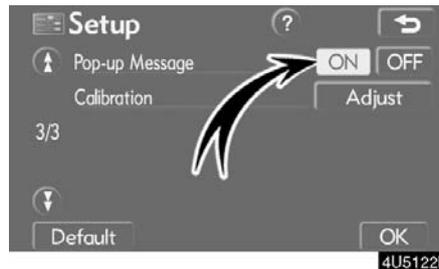
- **Pop-up message**

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

To turn the “Pop-up Message” on:

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

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

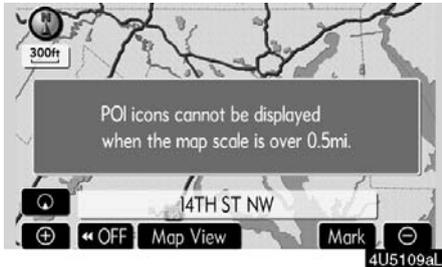


2. Touch “ON” of “Pop-up Message”.

The selected button is highlighted.

3. Touch “OK”.

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



This message appears when the system is in the POI mode and the map scale is 1 mile (1.6 km) or greater.



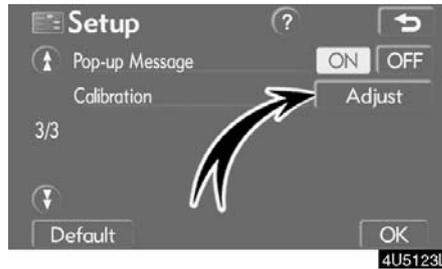
The message appears when the map is switched to the dual map screen mode.

- **Current position/tire change calibration**

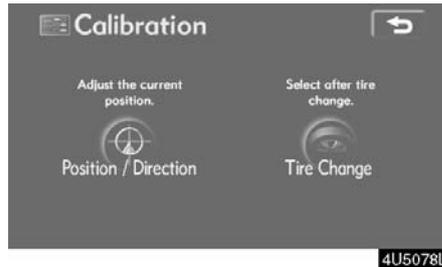
The current vehicle position mark can be adjusted manually. Miscalculation of the distance caused by tire replacement can also be adjusted.

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

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



2. Touch “Adjust” of “Calibration”.



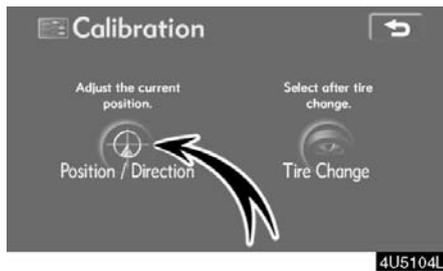
3. Touch the desired button.

INFORMATION

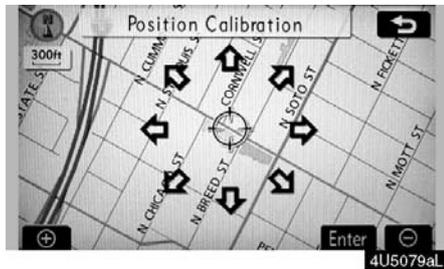
For additional information on the accuracy of a current vehicle position, see “Limitations of the navigation system” on page 302.

POSITION/DIRECTION CALIBRATION

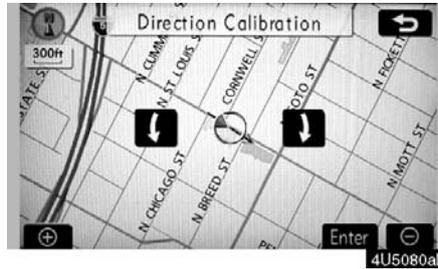
When driving, the current vehicle position mark will be automatically corrected by GPS signals. If GPS reception is poor due to location, you can manually adjust the current vehicle position mark.



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".

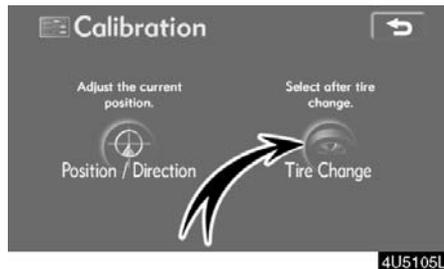


4. Touch either  or  to adjust the direction of the current vehicle position mark.
5. Touch "Enter".

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.

XM NavTraffic

The XM NavTraffic service that allows the navigation system to display traffic information on the map is available if your satellite radio tuner can receive traffic information.

For details about the XM NavTraffic service coverage area, refer to www.xmradio.com.

- How to activate the XM NavTraffic service

To receive the XM NavTraffic service, it is necessary to activate the service. To activate the service, an extra fee is required in addition to subscription fees for the XM satellite radio. For details about service and activation, call XM Listener Care at 1-800-967-2346.

Customers should have their radio ID ready; the radio ID can be found by selecting “channel 000” on the radio. For details, see “Displaying the radio ID” on page 192.

All fees and service are the responsibility of the XM satellite radio and are subject to change.

1. Push the “MENU” button.



2. Touch “XM Traffic”.



On this screen, the following operations can be performed.

1 Show XM Traffic Information

Traffic information is displayed on the map. (See page 97.)

2 Auto Avoid Traffic

If any heavy congestion or moderate traffic has been detected on the guidance route, it may be possible for you to select another route offered by the system. (See page 98.)

3 Traffic Voice Guidance

Traffic information is provided using voice guidance. (See page 99.)

4 Show Free Flowing Traffic

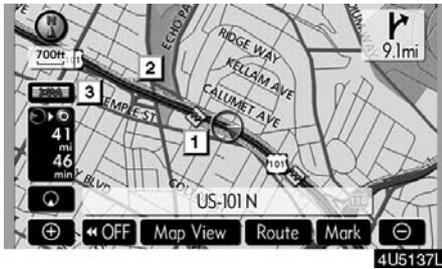
Freely flowing traffic is shown by the arrow on the map. (See page 99.)

INFORMATION

When “OFF” for “Show XM Traffic Information” is selected, “Auto Avoid Traffic”, “Traffic Voice Guidance” and “Show Free Flowing Traffic” will not operate.

(a) Show XM Traffic information

XM NavTraffic information is displayed on the map.



► **Map screen**



► **Freeway information screen**

1 XM NavTraffic icon

When any traffic information has been received, the XM NavTraffic icon will appear on the map screen. Touching the XM NavTraffic icon on the screen will start voice guidance for the traffic information. (See page 98.)

INFORMATION

When the XM NavTraffic icon is touched, voice guidance for the traffic information will start even if "OFF" for "Traffic Voice Guidance" is selected.

2 XM NavTraffic information arrow

When any XM NavTraffic information has been received, the XM NavTraffic information arrow will appear on the map screen. The color of the arrow changes depending on the traffic information received.

"Orange": Heavy congestion

"Yellow": Moderate traffic

"Green": Freely flowing traffic

3 XM NavTraffic indicator

When any XM NavTraffic information has been received, the XM NavTraffic indicator will appear on the screen. The color of the indicator changes depending on the traffic information received.

“White”: Traffic information has been received.

“Yellow”: Traffic restriction information on the guidance route has been received (touch switch*).

“Orange”: Congestion information on the guidance route has been received (touch switch*).

*: Touching the XM NavTraffic indicator will start voice guidance.



Touch “ON” of the “Show XM Traffic Information.”.

(b) Auto Avoid Traffic

The guidance route automatically changes to another route to avoid heavy congestion.



Touch “ON” of the “Auto Avoid Traffic”.



When congestion information about the guidance route has been received, a screen will appear to ask you whether to reroute to avoid the congestion.

If you wish to reroute, touch “YES”. Another route to allow you to avoid the congestion will appear.

If you do not wish to reroute, touch “NO”.

(c) Traffic Voice Guidance

You can receive congestion information through voice guidance while being guided to your destination.



Touch “ON” of the “Traffic Voice Guidance”.

(d) Show Free Flowing Traffic

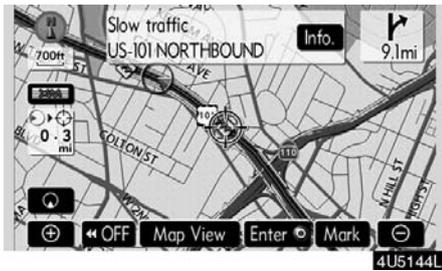
Freely flowing traffic is shown with the arrow.



Touch “ON” of the “Show Free Flowing Traffic”.

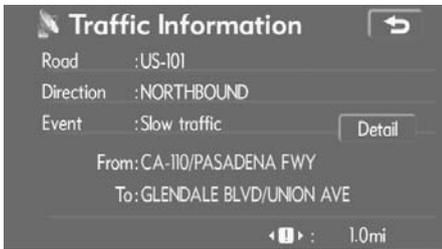
(e) XM NavTraffic text information

When you touch the XM NavTraffic icon on the map, the XM NavTraffic info. bar will appear on the upper part of the screen.



4U5144L

1. Touch “Info.” to display the “Traffic Information” screen.



4U5145L

2. Touch “Detail” to display detailed traffic event information.



4U5146L

SECTION V

OTHER FUNCTIONS

Other functions

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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 2.)

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 102.

“**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 103.)

If “**ON**” is selected, the system gives maintenance information with the “Information” screen when the system is turned on. (See page 2.)

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

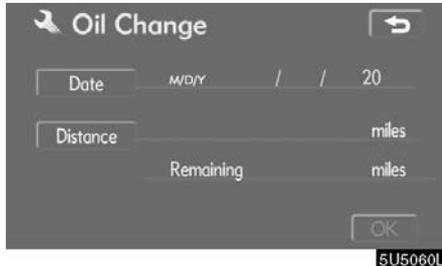
“**BRAKE OIL**”: Replace brake fluid

“**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 “Warranty and Services Guide/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. Touch “Set Dealer” on the “Maintenance” screen.



2. 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 19.)

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



3. Touch the button to be edited.

“Dealer”: To enter the name of a dealer. (See page 104.)

“Contact”: To enter the name of a dealer member. (See page 104.)

“Location”: To set a location. (See page 104.)

“Phone #”: To set a telephone number. (See page 105.)

“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 40.)

- To edit “Dealer” or “Contact”

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



2. Enter the name using the alphanumeric keys.

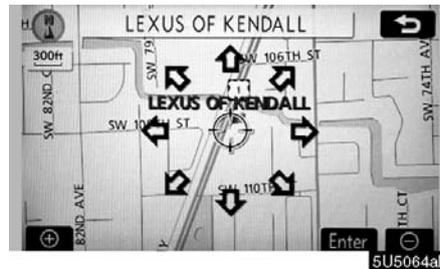
Up to 24 letters can be entered.

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 —

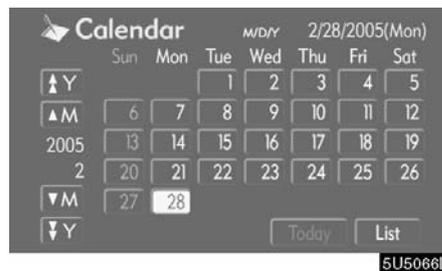
It is possible to enter memos for particular dates on the calendar. The system informs you of the memo entry when the system is turned on. (See page 3.)

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.

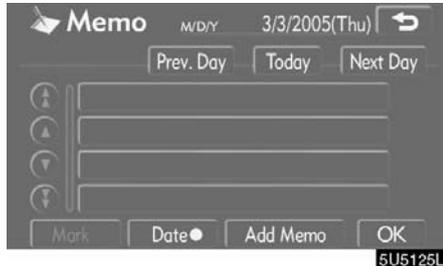
▲M or **▼M** : To change month.

▲Y or **▼Y** : To change year.

“**Today**” : To display the current month calendar (if another month will be displayed).

“**List**” : To display the list of registered memos. (See “ — Memo list” on page 108.)

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 107.)

“**Add Memo**”: To add a memo. (See “ — Adding a memo” on page 106.)

“**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.

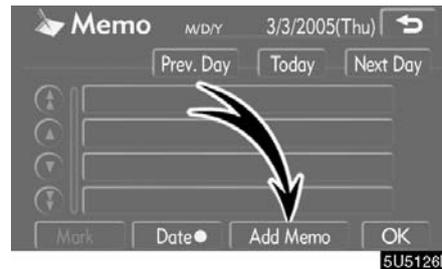
“**Today**”: To go to the “Memo” screen for the current day.

“**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 3.)

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



2. Touch “Add Memo”.

Up to 100 memos can be added.



3. Touch “Memo”.



4. 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.



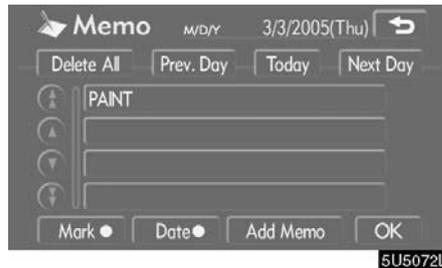
5. When registering information on the memo, touch “Location”.

A screen similar to the destination search screen appears. Search the same way as searching a destination. (See “Destination search” on page 19.)

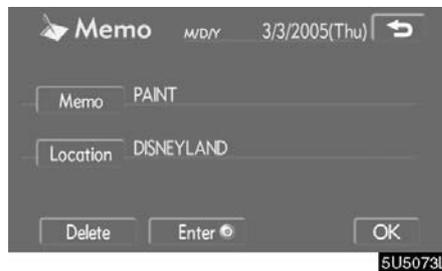
— Editing a memo

The registered memo can be edited.

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



2. Touch the memo to be edited.



3. Touch the item to be edited.

“Memo”: To edit a memo. (See “ — Adding a memo” on page 106.)

“Location”: To change a registered location. (See “ — Adding a memo” on page 106.)

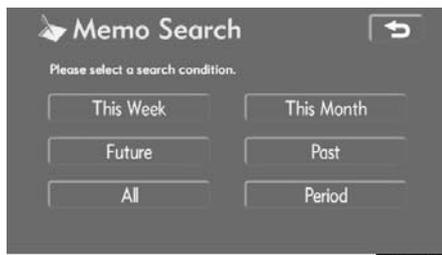
“Enter Ⓞ”: To set the registered location as a destination. (See “Starting route guidance” on page 40.)

“Delete”: To delete the memo.

— Memo list

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

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



2. 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 108.)



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

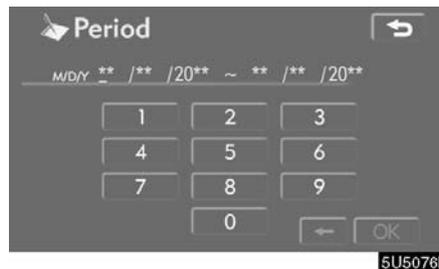
“Delete All”: To delete all the displayed memos.

A message will be displayed.

4. 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”.

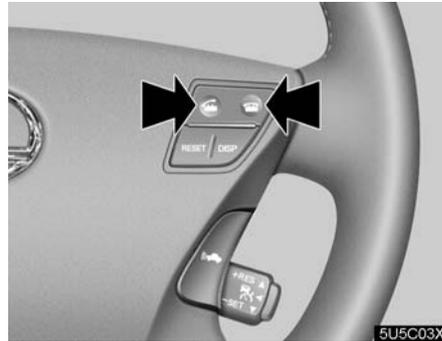
The “Memo List” screen will be displayed.

Hands-free system

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.



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

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 indoors 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.



► Microphone

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.



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.



“No connection” indicates no phone is connected to the system.

“No service” indicates you are not in the service area.

The level of reception does not always correspond with the one on 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.

For more about cellular phones information, refer to the cellular phone manufacturer’s users guide or go to www.lexus.com.

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.

Place the Bluetooth® phone so that the condition of the Bluetooth® connection indicates “Blue”.



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 “(d) Delete personal data” on page 171.)

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: BABBT007A
IC ID: 2024B-BT007A
MADE IN JAPAN

This device complies with Part 15 of the FCC Rules and RSS-Gen of the IC 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 to display the “Information” screen.



2. Touch “Phone”.

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

- **Registering your phone**



5U5B69L

If no phone has been registered, this screen will be displayed.

1. **Touch “Yes” to register your phone.**

If you touch “No”, the “Phone” screen will be displayed. You can also register your phone by touching “Settings”. (See “Registering more than one phone” on page 114.)



5U5B70L

2. **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”.



5U5B71L

3. **When the connection is completed, this screen is displayed.**

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



5U5B72L



5U5B73L

When these screens are displayed, follow the guidance on the screens to try again.

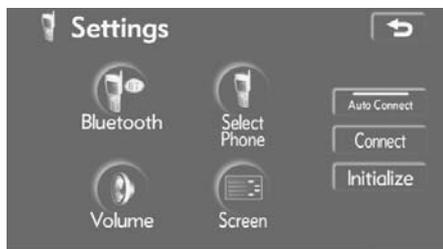
- **Registering more than one phone**

You can register up to 6 phones in the system.



5U5291L

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



5U5292L

2. Touch “Bluetooth*” to display the “Bluetooth* Manager” screen.



5U5293L

3. Touch “Add Phone” to add your new phone to the system.

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



5U5B74L

If any registered phone is connected, this screen will be displayed.

4. Touch “Yes” to register your new phone.



5U5294L

5. 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”.



5U5295L

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

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



5U5B75L



5U5296L

When these screens are displayed, follow the guidance on the screens to try again.

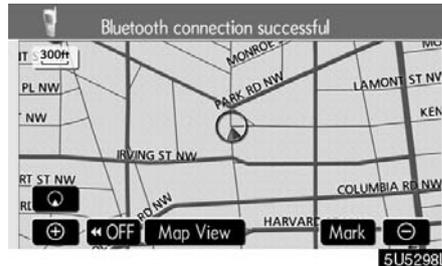
● **Connecting a Bluetooth® phone AUTOMATICALLY**



5U5297L

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.



5U5298L

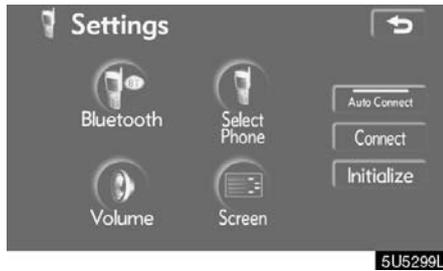
When the engine switch is in “ACC” or “IG-ON” mode, the selected Bluetooth® phone will be automatically connected and the connection result is displayed.

This screen appears when the Bluetooth® phone is first connected after the engine switch is turned to “ACC” or “IG-ON” mode.

You can choose to display or not to display phone status by touching “ON” or “OFF” on the “Screen Settings” screen. (See “Display phone status” on page 158.)

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 switch is in the “ACC” or “IG-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.

- Dial (See 117 page.)
- Phone book (See 118 page.)
- Dialed numbers (See 121 page.)
- Received calls (See 122 page.)
- Speed dial (See 123 page.)
- Voice recognition (See 124 page.)
- POI call (See 127 page.)

- **By dial**

You can call by inputting the telephone number.

This cannot be operated while driving.



1. **Touch the desired key to input the telephone number.**

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

When you touch “Redial”, the number you called last is inputted.

2. **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.



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

TRANSFER PHONE BOOK DATA



If no phone number has been registered in the phone book, this screen will be displayed.

1. Touch “Yes” to transfer phone numbers in your Bluetooth® phone to the system.

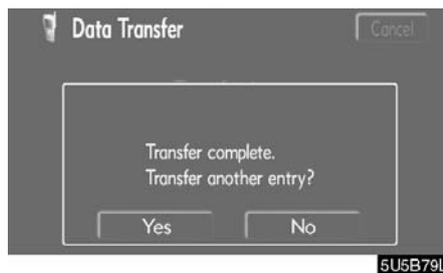


2. Select the group you want to transfer the data to.



3. 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.



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

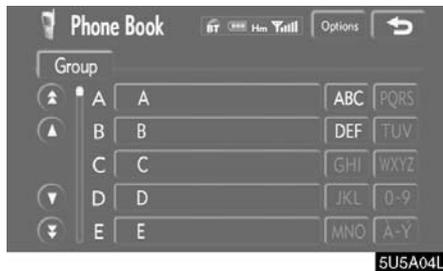
If you want to transfer another telephone number, touch **“Yes”**.



When these screens are displayed, try the transfer operation again.

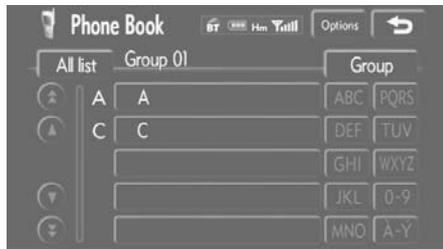
You can also transfer phone book data by touching **“Options”** on the **“Phone Book”** screen. (See **“Transferring a telephone number”** on page 138.)

CALL BY PHONE BOOK DATA



SU5A04L

► Alphabetical order list



SU5B82L

► Group list

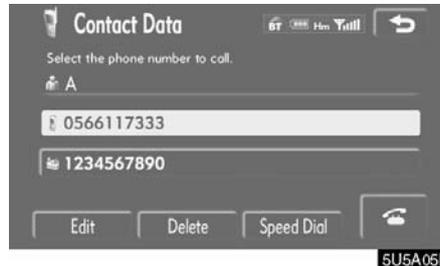
If a phone number has been registered in the phone book, the alphabetical order list screen or group list screen will be displayed.

“**Group**”: You can select the data from the group list. Select a group.

“**All list**”: You can select the data from the alphabetical order list.

“**Options**”: Setting the phone book. (See “(c) Setting the phone book” on page 137.)

1. Select the desired name from the list.



SU5A05L

2. Select the desired number.

“**Edit**”: Editing the data. (See “Editing the data” on page 143.)

“**Delete**”: Deleting the data. (See “Deleting the data” on page 145.)

“**Speed Dial**”: Registering the data in the speed dial. (See “(a) Registering the speed dial” on page 131.)

3. 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 History” to display the “Outgoing Calls” screen.



2. If the “Incoming Calls” screen is displayed, touch “Outgoing Calls”.

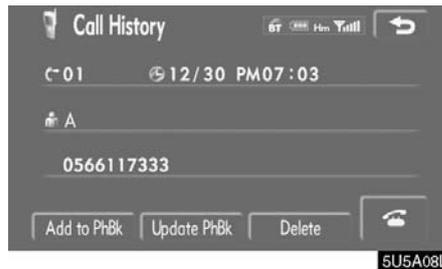


- When you call by phone book, the name (if registered) is displayed.
- When you call the same number continuously, only the newest number is registered.

“Incoming Calls”: Displaying the “Incoming Calls” screen.

“Delete All”: Deleting all outgoing calls history data. (See “(d) Deleting the call history data” on page 150.)

3. Select the desired number from the list.



“Add to PhBk”: Adding the data in the phone book. (See “Registering the phone book data” on page 139.)

“Update PhBk”: Updating the data registered in the phone book. (See “Editing the data” on page 143.)

“Delete”: Deleting the call history data. (See “(d) Deleting the call history data” on page 150.)

4. 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.



5U5A09L

1. Touch “Call History” to display the “Incoming Calls” screen.



5U5A10L

2. If the “Outgoing Calls” screen is displayed, touch “Incoming Calls”.



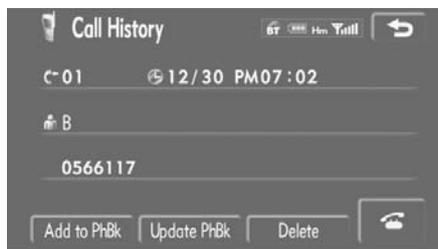
5U5A11L

- 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.

“Outgoing Calls”: Displaying the “Outgoing Calls” screen.

“Delete All”: Deleting all incoming calls history data. (See “(d) Deleting the call history data” on page 150.)

3. Select the desired number from the list.



5U5A12L

“Add to PhBk”: Adding the data in the phone book. (See “Registering the phone book data” on page 139.)

“Update PhBk”: Updating the data registered in the phone book. (See “Editing the data” on page 143.)

“Delete”: Deleting the call history data. (See “(d) Deleting the call history data” on page 150.)

4. Touch  or push  of the steering wheel.

- An 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. (See “(a) Registering the speed dial” on page 131 for registering the speed dial.)



5U5A13L

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



5U5A14L

2. Touch the desired number to call.

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

“Options”: Setting the speed dial and speed tone. (See “(a) Registering the speed dial” on page 131 and “(b) Registering the speed tone” on page 134.)

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 164 and “Help screen” on page 167.)



1. Pull the talk switch.



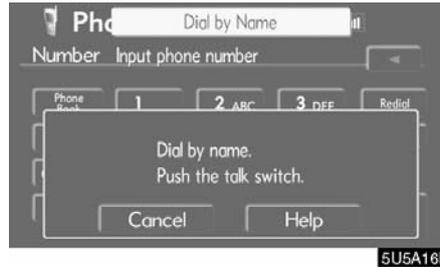
2. Say a command.

You can call by the following ways.
 Dialing by name (See 124 page.)
 Dialing by number (See 125 page.)
 Call back (See 126 page.)
 Redial (See 126 page.)
 Sending a tone (See 127 page.)

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 142.

Example: Call AAA.



System: “Push the talk switch, and say the stored name. Otherwise say “go back”.”.

You: Pull the talk switch.

You: “AAA.”

System: A beep sounds.

System: “AAA. Push the off-hook switch to dial. Otherwise push the talk switch and say “Dial”, “Next candidate”, or “Go back”.”.

You: Pull the talk switch.

System: A beep sounds.

You: “Dial.”

System: “Dialing.”

Now you can call AAA.



“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”.
- Pull the talk switch and say “Next Candidate” after a beep sounds.

Calling without the voice recognition

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

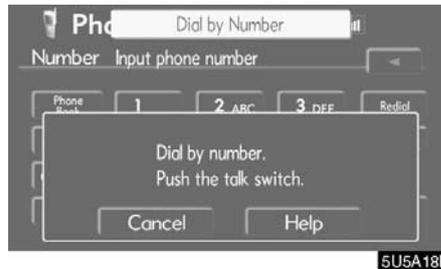
Cancelling the voice recognition

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

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

DIALING BY NUMBER

You can call by giving a desired number.



System: “Push the talk switch, and say the number. Otherwise say “Go back”.”

You: Pull the talk switch.

System: A beep sounds.

You: “812387.”

System: “812387. Push the off-hook switch to dial. Otherwise, push the talk switch and continue adding numbers or say “Dial”, “Delete”, or “Go back”.”

You: Pull the talk switch.

System: A beep sounds.

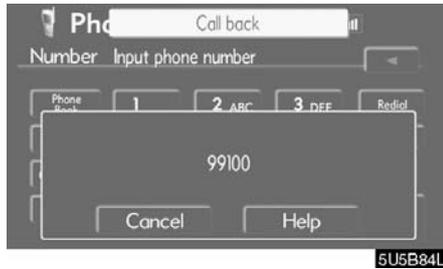
You: “Dial.”

System: “Dialing.”

Now you can call 812387.

CALL BACK

You can call by received calls. Up to 5 numbers are memorized in the system.



System: "The most recent incoming call was 812387. Push the off-hook switch to dial. Otherwise, push the talk switch and say, "dial", "previous" or "go back"."

You: Pull the talk switch.

System: A beep sounds.

You: "Previous"

System: "The previous call was 123456. Push the off-hook switch to dial. Otherwise, push the talk switch and say, "dial", "previous" or "go back"."

You: Pull the talk switch.

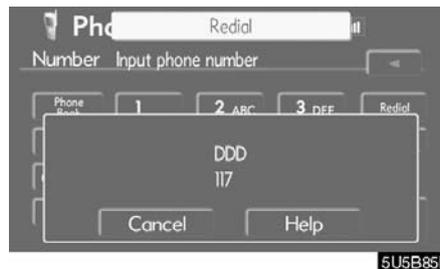
System: A beep sounds.

You: "Dial".

System: "Dialing".

REDIAL

You can call by dialed numbers. Up to 5 numbers are memorized in the system.



System: "The most recent outgoing call was 812387. Push the off-hook switch to dial. Otherwise, push the talk switch and say, "dial", "previous" or "go back"."

You: Pull the talk switch.

System: A beep sounds.

You: "Previous"

System: "The previous call was 123456. Push the off-hook switch to dial. Otherwise, push the talk switch and say, "dial", "previous" or "go back"."

You: Pull the talk switch.

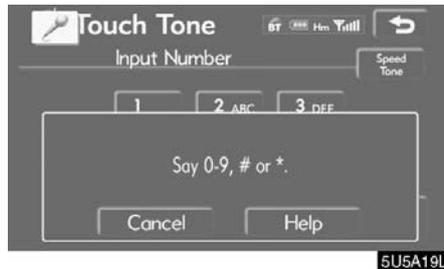
System: A beep sounds.

You: "Dial".

System: "Dialing".

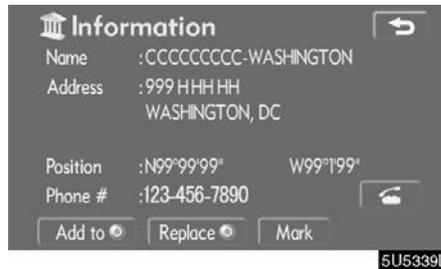
SENDING A TONE

You can send a tone by giving a desired number during a call.



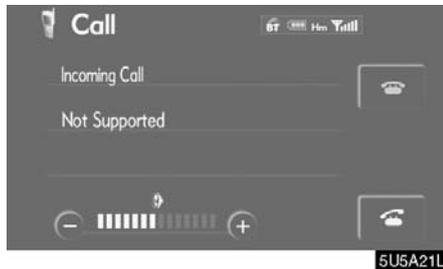
- You: Pull the talk switch.
System: "Say a string of single digits, pound, or star."
You: "1234."
System: "1234." "Push the talk switch, and say "Yes" to send. Otherwise say "No" or "go back"."
You: Pull the talk switch.
System: A beep sounds.
You: "Yes."
System: "Sending."
Now you can send the tone.

● By POI call



You can call by touching  when it is displayed on the screen from navigation system. (See page 10 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:

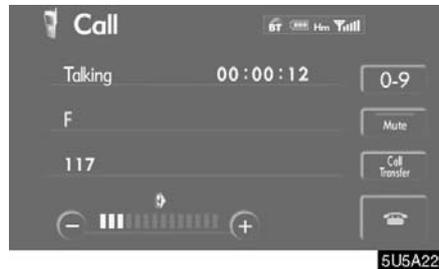
Touch  and hold it.

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 send a tone:

Touch “0-9”.

To transfer the call

Touch “Call Transfer”.

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.

- **Sending a tone**



Touch the desired number to send a tone.

To hang up the phone:

Touch or push of the steering wheel.

This cannot be operated while driving.

- **Sending a registered continuous tone**



When you call by a phone book and 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.

— Registering and deleting phone numbers

- **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 134.)



You can register phone numbers in the phone book and speed dial. The registered phone number can be protected by setting the security.

- (a) Registering the speed dial (See 131 page.)
- (b) Registering the speed tone (See 134 page.)
- (c) Setting the phone book (See 137 page.)
- (d) Deleting the call history (See 150 page.)
- (e) Setting the security (See 151 page.)

1. Touch “Speed Tone”.



- 2. Touch the desired touch-screen button to send a tone.

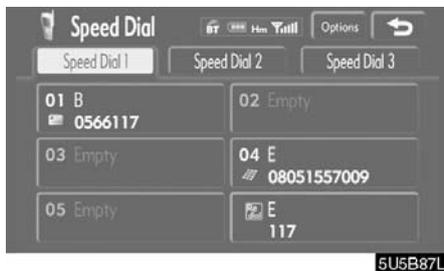
(a) Registering the speed dial

You can register the desired telephone number from phone book. Up to 17 speed dial numbers can be registered.

The 6th entry is the speed dial for redialing.



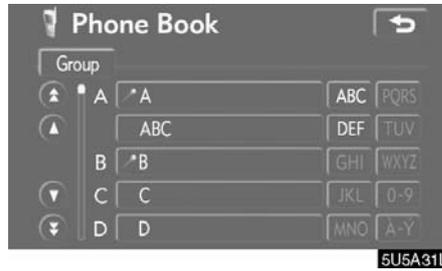
1. Touch “Speed Dial”.



2. Touch “Options”.



3. Touch “Save” of “Speed Dial”.



4. Select the data you want to register.

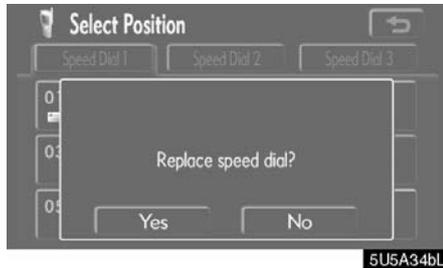


5. Touch the desired telephone number.



6. Touch the touch–screen button you want to register in.

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



5U5A34bL

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

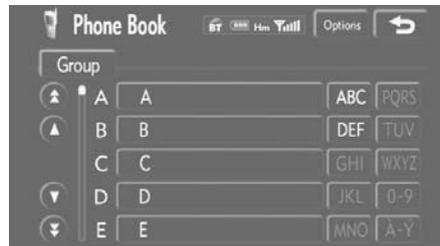
7. Touch "Yes" if you want to replace it.

You can also register data to the speed dial.



5U5A03L

1. Touch "Phone Book".



5U5A04L

2. Select the desired name from the list.



5U5A05L

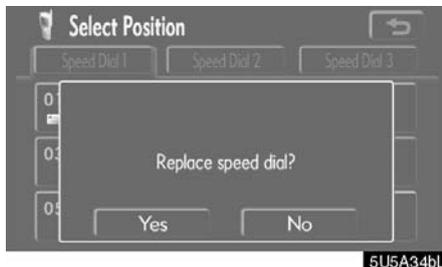
3. Touch "Speed Dial".



5U5A33bL

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

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



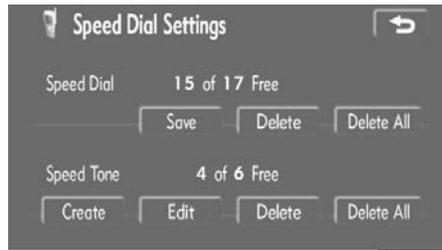
5U5A34bL

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

5. Touch “Yes” if you want to replace 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.



5U5A35L

1. Touch “Delete” of “Speed Dial”.



5U5A36L

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



5U5A37L

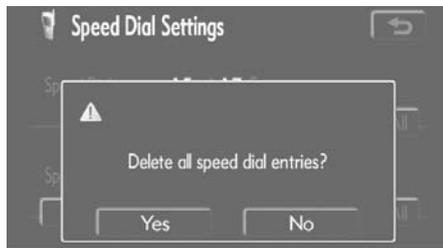
3. Touch “Yes”.

- **Deleting all of the speed dial**



SU5A38L

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



SU5A39L

2. Touch **“Yes”**.

- (b) **Registering the speed tone**

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



SU5A40L

1. Touch **“Create”** of **“Speed Tone”**.



SU5A41L

2. Use the software keyboard to input the name and touch **“OK”**.



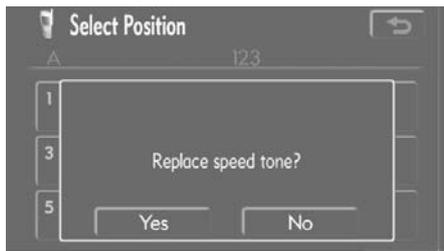
5U5A42L

3. Input the number and touch “OK”.



5U5A43bL

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



5U5A44bL

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

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

- **Editing the speed tone**
You can edit the speed tone.



5U5A45L

1. Touch “Edit” of “Speed Tone”.



5U5A46L

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



3. Use the software keyboard to input the name and touch “OK”.



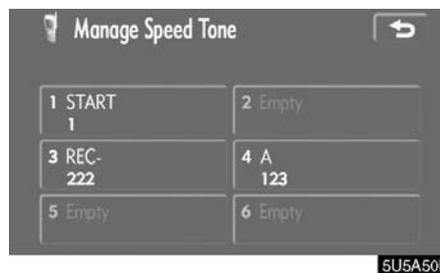
4. Input the number and touch “OK”.

- **Deleting the speed tone individually**
You can delete “1” to “6” of the speed tone.

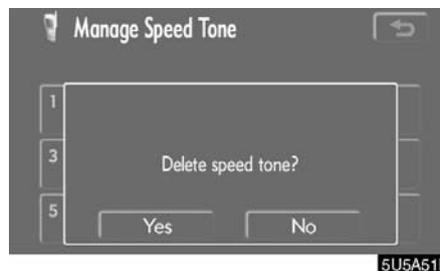
If you delete them all at once, all of 6 numbers are deleted.



1. Touch “Delete” of “Speed Tone”.



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



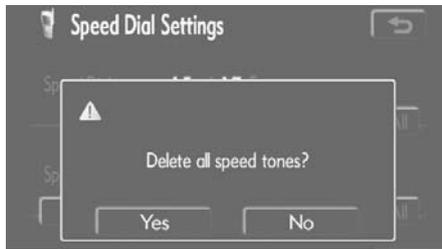
3. Touch “Yes”.

- **Deleting all the speed tone**



5U5A52L

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



5U5A53L

2. Touch “Yes”.

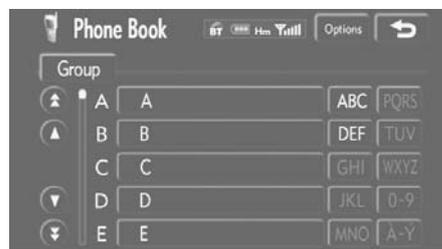
- (c) **Setting the phone book**

You can register phone numbers in the phone book.



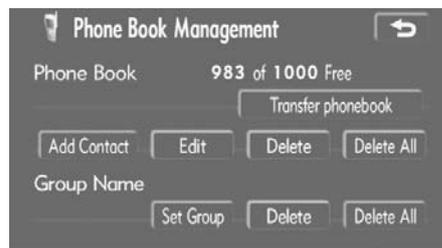
5U5B88L

1. Touch “Phone Book”.



5U5B89L

2. Touch “Options”.



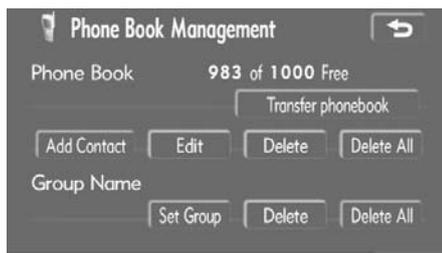
5U5A65L

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.



5U5A66L

1. Touch "Transfer phonebook" to display the "Select Group" screen.



5U5A67L

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



5U5A68L

If you select the group you registered before, this screen will be displayed.

3. Touch "Replace" or "Add".



5U5A69L

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.



5U5A70L

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

If you want to transfer another telephone number, touch "Yes".



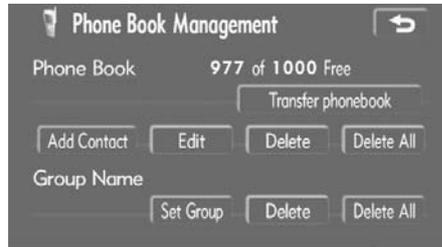
5U5A71L



5U5B90L

When these screens are displayed, try the transfer operation again.

- **Registering the phone book data**
You can register the phone book data.



5U5A72L

1. Touch "Add Contact" of "Phone Book".



5U5A73bL

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



5U5A74bL

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

You can register the call history data in the phone book.

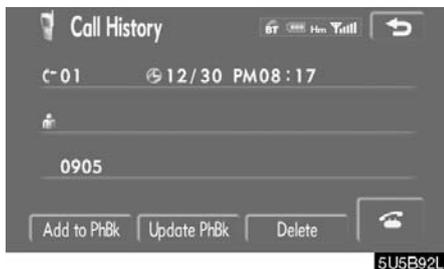


1. Touch “Call History”.



The “Incoming Calls” or “Outgoing Calls” screen will be displayed.

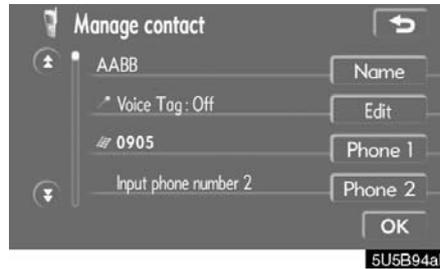
2. Select the desired number from the list.



3. Touch “Add to PhBk”



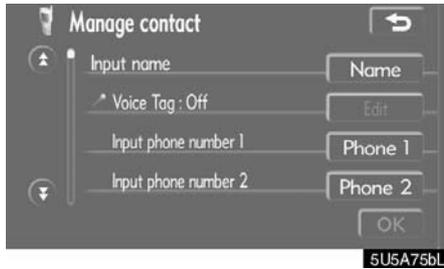
4. Touch the desired touch–screen button to edit the phone book.



5. When you complete the edit, touch “OK”.

EDITING THE NAME

When you have not input the name, the number is displayed.



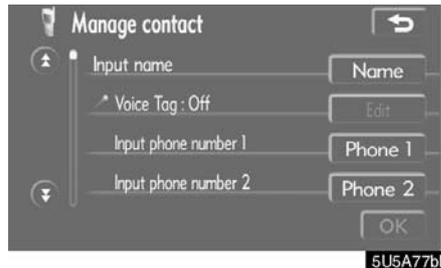
1. Touch "Name".



2. Use the software keyboard to input the name and touch "OK".

EDITING THE PHONE NUMBER

You can register a phone number in "Phone 1" and "Phone 2" separately. Up to 2 numbers a person can be registered.



1. Touch "Phone 1" or "Phone 2".



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 have not set the group.



5U5A80L

1. Touch "Group".



5U5A81L

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.



5U5A82bL

1. Touch "Edit".



5U5A83L

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



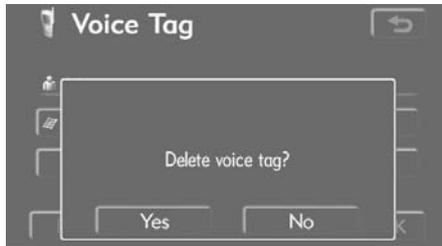
5U5B96L

3. Say a name to register and touch "OK".



5U5A84L

4. Touch **“PLAY”** to play the voicetag.
If you want to delete it, touch **“Delete”**.

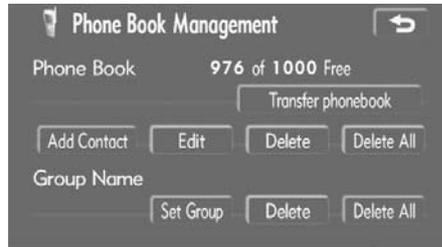


5U5B90L

Touch **“Yes”** to delete the registered voicetag.

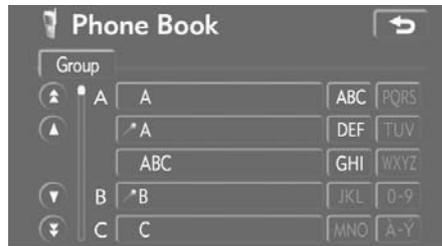
● **Editing the data**

You can edit the registered data.



5U5A88L

1. Touch **“Edit”** of **“Phone Book”**.



5U5A89L

2. Select the data you want to edit.



5U5A90L

3. Touch the desired touch-screen button.

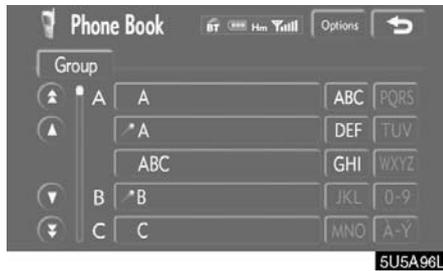
Edit the data in the same way as for registering the data. (see “Registering the phone book data” on page 139.)

4. When you edit the data, touch **“OK”**.

You can also edit the data in the following way.



1. Touch “Phone Book”.



2. Select the desired data.



3. Touch “Edit”.

You can update the registered data using the call history data.

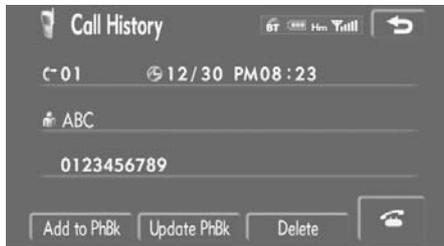


1. Touch “Call History”.



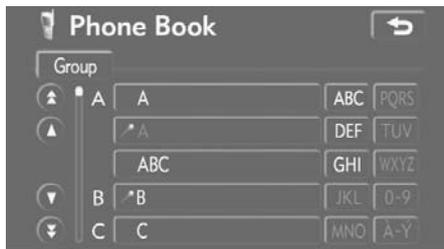
The “Incoming Calls” or “Outgoing Calls” screen will be displayed.

2. Select the desired number from the list.



5U5A85L

3. Touch "Update PhBk".



5U5A86L

4. Select the data you want to update data to.



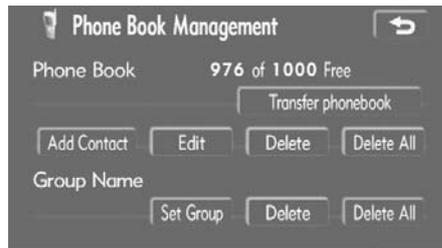
5U5A87bL

5. Confirm the update data on the screen and touch "OK".

● **Deleting the data**

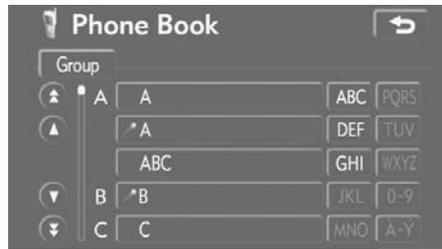
You can delete the data.

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



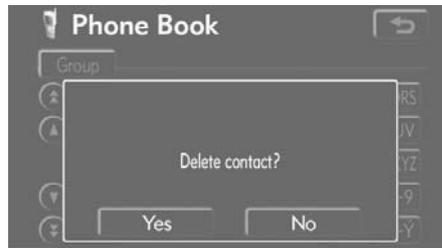
5U5A92L

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



5U5A93L

2. Touch the desired touch-screen button.



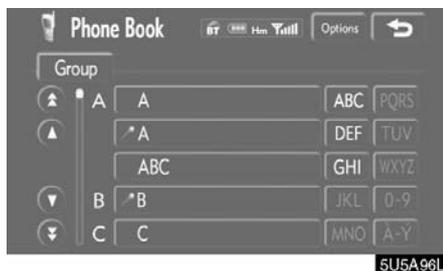
5U5A94L

3. Touch "Yes".

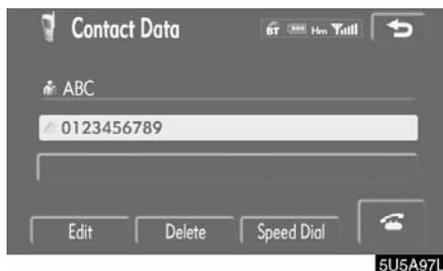
You can also delete it in the following way.



1. Touch "Phone Book".



2. Select the desired data.

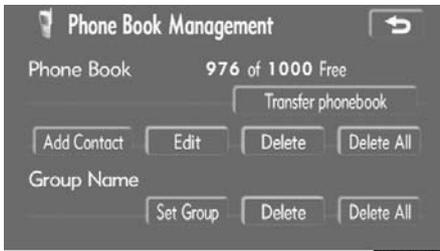


3. Touch "Delete".



4. Touch "Yes".

- **Deleting all the phone data**



5U5A99L

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



5U5B00L

2. Select the deleting method.

“**Group**”: Deleting all the phone data in group.

“**Contacts**”: Deleting all the phone data.

DELETING GROUP

1. When you select “Group”, the “Select Group” screen will be displayed.



5U5B01L

2. Select the desired group.



5U5B02L

3. Touch “Yes” to delete all the phone data in the selected group.

DELETING CONTACTS

1. When you select “Contacts”, this screen will be displayed.



5U5B97L

2. Touch “Yes” to delete all the phone data in the phone book.

- **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.



5U5B06L

1. Touch “Set Group” of “Group Name”.



5U5B07L

2. Select the group you want to register.



5U5B08L

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

SELECTING A GROUP ICON



5U5B09L

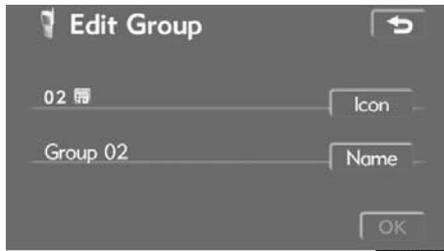
1. Touch “Icon”.



5U5B10L

2. Select the desired icon.

EDITING A GROUP NAME



5U5B11L

1. Touch "Name".

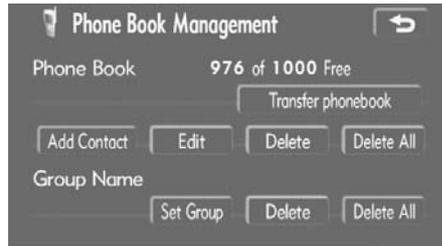


5U5B12L

2. Use the software keyboard to input the name and touch "OK".

- 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").



5U5B13L

1. Touch "Delete" of "Group Name".



5U5B14L

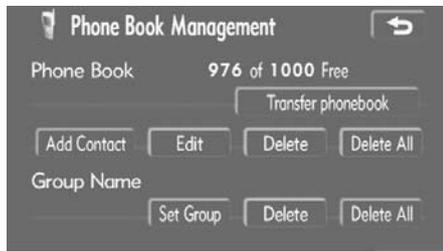
2. Select the group you want to delete the name of.



5U5B15L

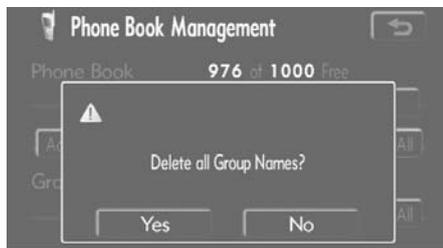
3. Touch "Yes".

- **Deleting all the group name**



SU5B16L

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



SU5B17L

2. Touch “Yes”.

- (d) **Deleting the call history data**

You can delete the call history data individually or all at once.

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

INDIVIDUALLY



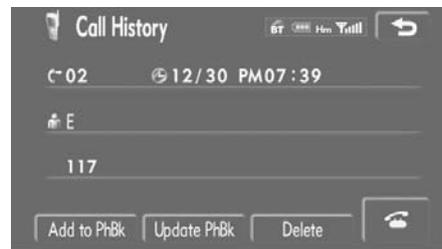
SU5A06L

1. Touch “Call History”.



SU5A07L

2. Select the desired number to delete.



SU5B18L

3. Touch “Delete” on the “Call History” screen.



5U5B19L

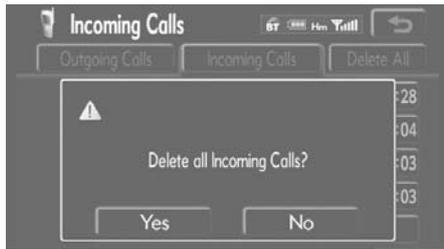
4. Touch “Yes”.

ALL AT ONCE



5U5B20L

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



5U5B21L

2. Touch “Yes”.

(e) 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 passcode**

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

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

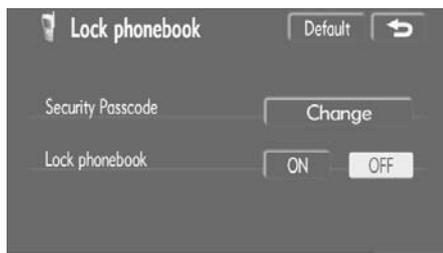
When you change the security passcode, don't forget the passcode. The dealers cannot unlock the security when you forget it.

If you forget the security passcode, initialize all hands-free settings. When you initialize it, not only the phone book data but also all hands-free settings will be deleted. (See "(e) Initializing all hands-free settings" on page 164.)



5U5B22L

1. Touch "Lock phonebook".



5U5B23L

2. Touch "Change".



5U5B24L

3. Input the security passcode and touch "OK".

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



5U5B98L

4. Input new passcode and touch "OK".



5U5B99L

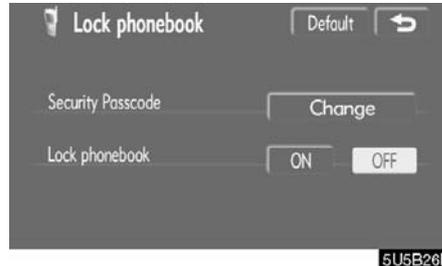
5. Input new passcode again and touch "OK".

- **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" to lock the phone book. Touch "OFF" to unlock the phone book.



2. Input the security passcode and touch "OK".

- **Initializing the security settings**
You can initialize the settings.



5U5B28L

1. Touch "Default".



5U5B29L

2. Input the security passcode and touch "OK".



5U5B30L

3. Touch "Yes".

— Changing the setting of the Bluetooth® phone



5U5A27L

Touch "Settings" to display the "Settings" screen.



5U5A28L

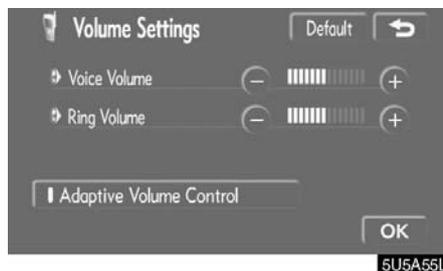
You can change the settings of the phone.

- (a) Setting the volume (See 155 page.)
- (b) Setting the screen (See 156 page.)
- (c) Selecting a Bluetooth® phone (See 159 page.)
- (d) Changing the Bluetooth® settings (See 161 page.)
- (e) Initializing all hands-free settings (See 164 page.)

(a) 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.

3. Touch "OK".

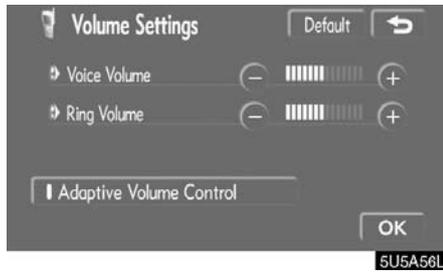
- Automatic volume settings for high speed

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.

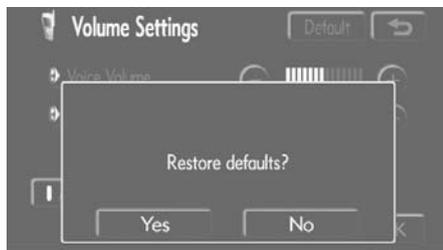
- **Initializing the settings**

You can initialize the settings.



5U5A56L

Touch “Default”.



5U5A57L

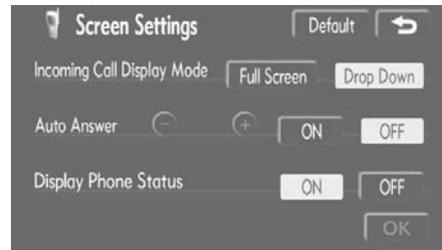
Touch “Yes”.

(b) Setting the screen



5U5A58L

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

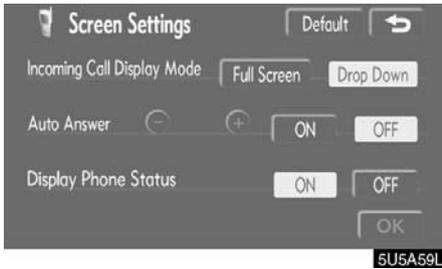


5U5A59L

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

- **Incoming call display mode**

You can select the method of the receiving call display.



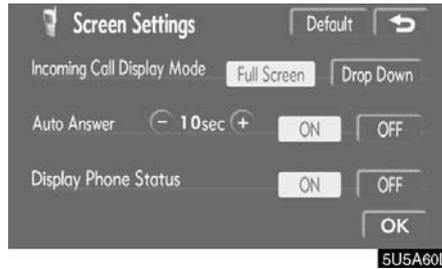
Touch **“Full Screen”** or **“Drop Down”**.

“Full Screen”: When a call is received, the Hands-free screen is displayed and you can operate it on the screen.

“Drop Down”: The message is displayed on the upper side of the screen. You can only operate the steering switch.

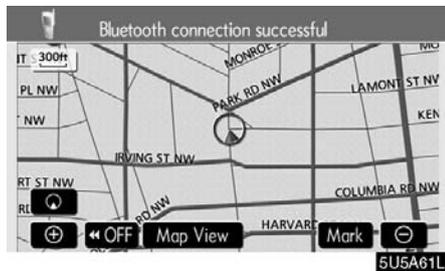
- **Auto answer**

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.

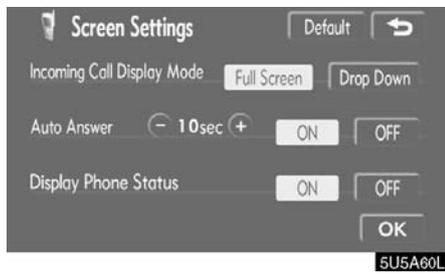


Touch **“ON”** of **“Auto Answer”** and **“-”** or **“+”** to adjust the waiting time of auto answer within 1 – 60 seconds.

- **Display phone status**



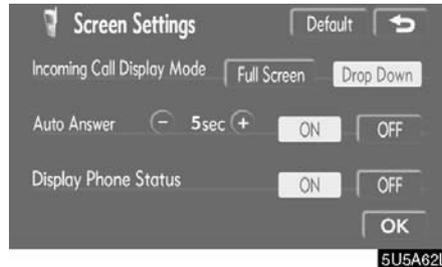
When the engine switch is in the “ACC” or “IG-ON” mode and the Bluetooth® is automatically connected, the connection check is displayed.



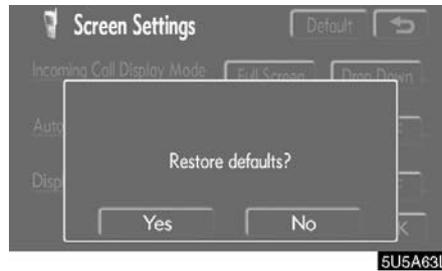
Touch “ON” or “OFF” of “Display Phone Status”.

- **Initializing the settings**

You can initialize the settings.



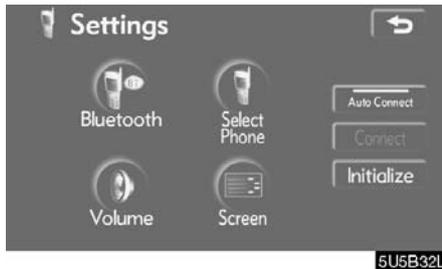
Touch “Default”.



Touch “Yes”.

(c) Selecting a Bluetooth® phone

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



5U5B32L

1. Touch “Select Phone” to display the “Select Phone” 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.



5U5B33L

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

2. Select the phone to connect.



5U5B34L

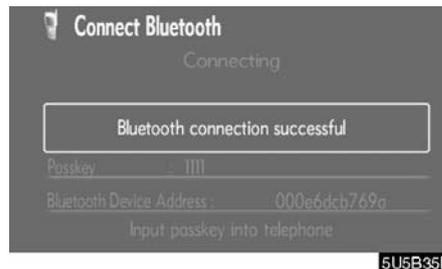
3. Touch “OK”.



5U5B36L

When another Bluetooth® phone is connected, this screen is displayed.

4. Touch “Yes” to connect the selected phone.



5U5B35L

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

- **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” and touch “OK”.

(d) Changing the Bluetooth® settings

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

The information displays the following items.

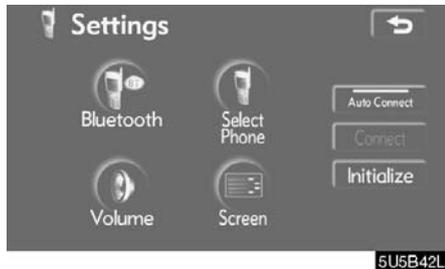
“Device Name”: The name in the Bluetooth® network. You can change it.

“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.

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

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” and touch “OK”.

You can input up to 20 characters.



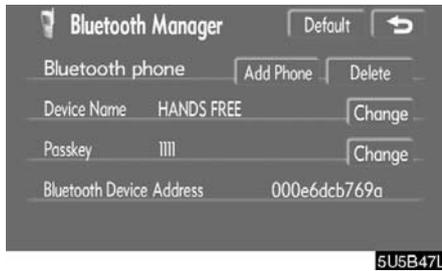
4. Input a “Passkey” with 4 – 8 digits and touch “OK”.

When you touch ◀, the input number is deleted.



5. When you complete the setting, touch .

- **Initializing the Bluetooth® settings.**
You can initialize the settings.



5U5B47L

1. Touch “Default”.



5U5B48L

2. Touch “Yes”.

- **Deleting a Bluetooth® phone**



5U5B49L

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



5U5B50L

2. Select the telephone you want to delete.

“Information”: Display the information of the phone to be deleted.

3. Touch “OK”.



5U5B51L

4. Touch “Yes”.

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

(e) Initializing all hands-free settings

You can initialize all the hands-free settings. The following data in the system can be initialized.

- Phone book
- Outgoing and incoming history
- Speed dial
- Registered cellular phone data
- Security code

Once the initialization has been completed, the data cannot be restored to its original state.



SU5C00L

1. Touch "Initialize".

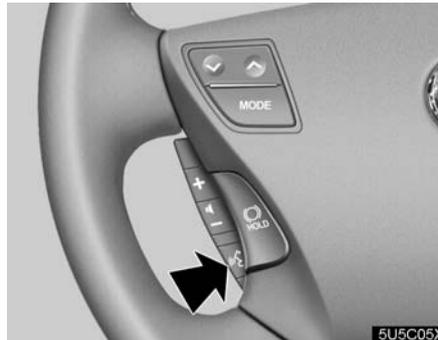


SU5C01L

2. Touch "Yes".

Speech command system

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



SU5C05X

1. Pull 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 167.) When you touch “Cancel”, the previous screen returns.

If the navigation system does not respond or the confirmation screen does not disappear, please pull 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. Pull the talk switch.
2. Say **“Home”**.

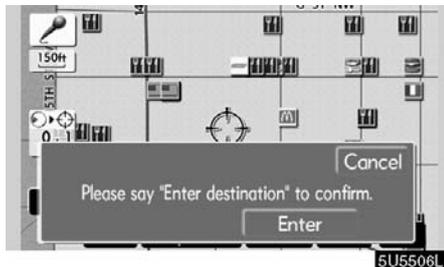
You can also say the street name or address. (ex. say **“Woodridge Avenue”**.)

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 [location icon]”** or **“Replace [location icon]”** 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.

- *The command is not correct or clear.*
- *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.



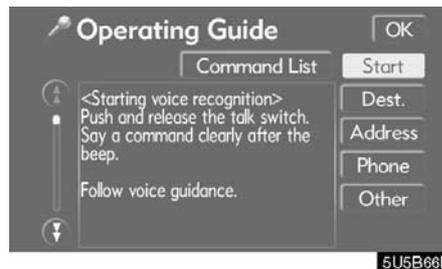
2. Select the desired category by touching the buttons on the right side of the "Command List" screen.

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

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

To display the “Display” screen, push the “DISP” button.



1. 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.

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

If your vehicle is equipped with the rear seat entertainment system, the rear screen turns on or off when “Rear” is touched.

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.

1. Touch the desired button to adjust color and tone.

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

“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.

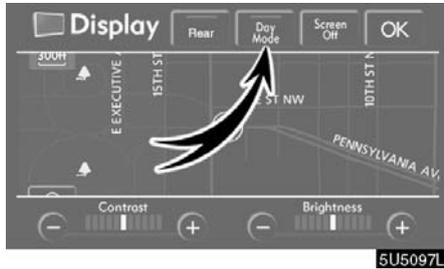
2. After adjusting the screen, touch “OK”.

If your vehicle is equipped with the rear seat entertainment system, the rear screen turns on or off when “Rear” is touched.

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.



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.

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

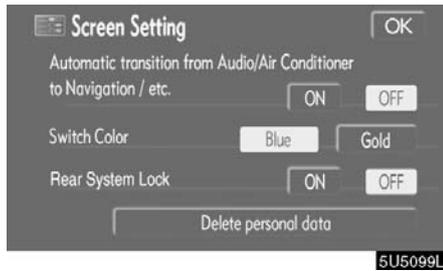
1. Push the **“INFO”** button to display the **“Information”** screen.



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.



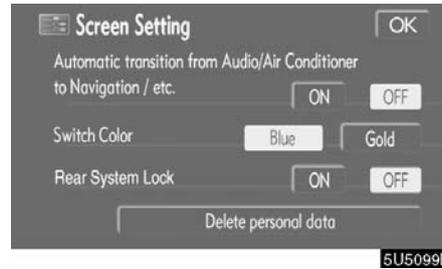
Select “ON” or “OFF” and then touch “OK”.

“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

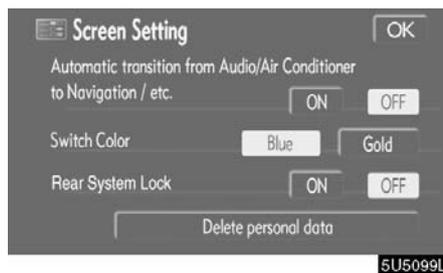
You can select the color of the touch-screen buttons.



Select “Blue” or “Gold” and then touch “OK”.

**(c) Rear system lock
(with rear seat entertainment system)**

If the vehicle is equipped with the rear seat entertainment system, the rear seat entertainment system can be locked to prevent rear passengers from operating the entertainment system.



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

“ON”: The rear passengers cannot operate the rear seat entertainment system. Only front passengers can operate the system.

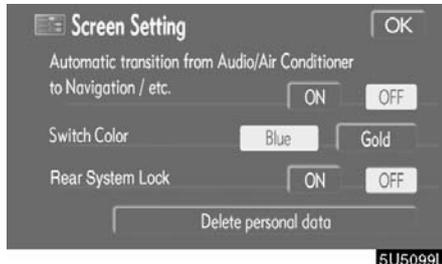
“OFF”: Both the front and rear passengers can operate the rear seat entertainment system.

(d) 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**
- **Tracks recorded in the hard disc drive**

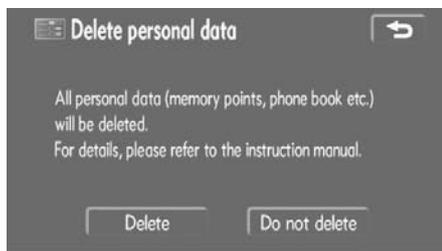
This function is available only when the vehicle is not moving.



5U5099L

1. Touch “Delete personal data”.

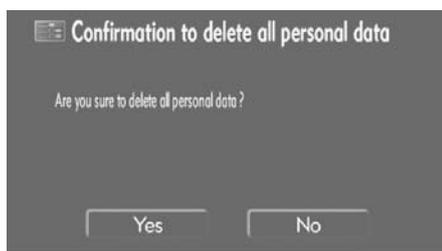
The “Delete personal data” screen appears.



5U5016aL

2. Touch “Delete”.

The “Confirmation to delete all personal data” screen appears.



5U5017aL

3. Touch “Yes”.

Beep setting

You can set a beep sound off.

1. Push the “INFO” button.



5U5B61L

2. Touch “Beep Off”.

“Beep Off” is highlighted.

To switch the beep sound on, touch “Beep Off” again.

Clock adjustment



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

1. Push the “INFO” button.



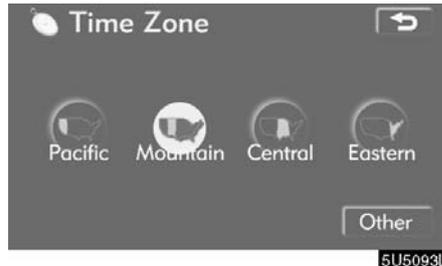
2. Touch “Adjust Clock”.

• To adjust a clock automatically



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

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



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

“Other”: You can adjust the time zone manually with ▲, ▼.



- To adjust a clock manually



Touch **“OFF”** of “Auto Adjust”.

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

“H”: To set the hour.

“M”: To set the minute.

“:00”: To adjust the time to the nearest hour, touch this touch-screen button.

- To set daylight saving time



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

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

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 “I Agree”.

The language is changed and the screen returns to the map display.

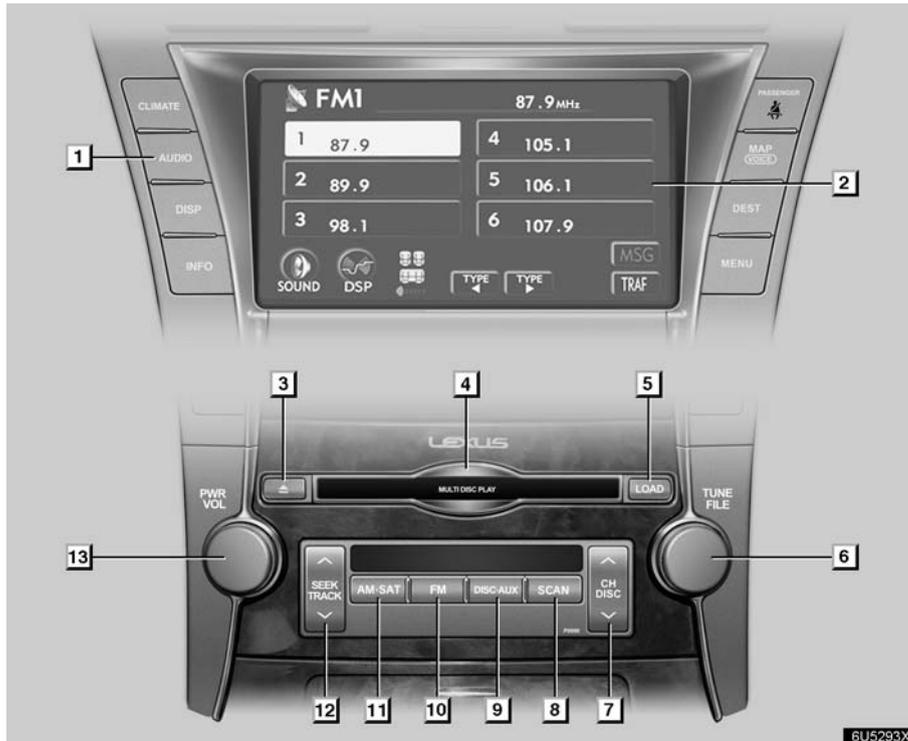
SECTION VI

AUDIO/VIDEO SYSTEM

Audio/video system

- [Quick reference](#) 178
- [Using your audio/video system](#) 180
 - [Some basics](#) 180
 - [Radio operation](#) 187
 - [CD changer operation](#) 198
 - [DVD changer operation](#) 212
 - [Sound library operation](#) 233
- [Audio/video remote controls](#) 252
- [Audio/video system operating hints](#) 255

Quick reference



► If a DVD changer is installed, the “Mark Levinson”, “Gracenote”, and “DOLBY” logos are shown on the panel.

- | | |
|--|---|
| <p>1 “AUDIO” button
Push this button to display the audio control screen. For details, see page 181, 203, 206, 217, 229, and 238.</p> <p>2 Function button display screen
Touch the buttons displayed on the screen to control the radio, CD changer, DVD changer or sound library. For details, see page 182.</p> <p>3 ▲ button
Push this button to stop and eject the disc. For details, see page 200 and 214.</p> <p>4 Disc slot
Insert discs into the slot after pushing “LOAD” button. For details, see pages 198 and 212.</p> | <p>5 “LOAD” button
Push this button to insert the disc. For details, see pages 198 and 212.</p> <p>6 “TUNE/FILE” knob
Turn this knob to move up or down the station band, file or track. For details, see pages 187, 193, 208 and 240.</p> <p>7 “CH/DISC” button
Push “^” or “v” button to select a program type, a selected disc or an album/artist/genre. For details, see pages 188, 200, 202, 214, 216 and 239.</p> <p>8 “SCAN” button
Push this button to scan radio stations or scan the tracks, discs, files or folders. For details, see pages 188, 195, 204, 209, 210 and 241.</p> |
|--|---|

- 9** **“DISC-AUX” button**
Push this button to turn the CD changer, DVD changer, sound library or AUX on. For details, see pages 181, 202, 203, 215 and 238.
- 10** **“FM” button**
Push this button to choose an FM station. For details, see pages 181 and 187.
- 11** **“AM-SAT” button**
Push this button to choose either an AM or SAT station. For details, see pages 181, 187 and 192.
- 12** **“SEEK/TRACK” button**
Push “^” or “v” button to seek up or down for a station, or to access a desired program, track, file or chapter. For details, see pages 188, 194, 203, 207, 220, 230 and 240.
- 13** **“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 181.

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 switch is in the “ACC” or “IG-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.

- **Turning the system on and off**



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

“AUDIO”: Push this button to display touch-screen buttons for audio system (audio control mode).

You can select the function that enables automatic return to the previous screen from the audio screen. See “(a) Automatic transition” on page 170 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.

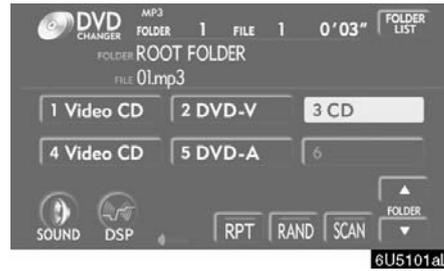
Push these buttons if you want to switch from one mode to another.

If the disc is not set, the CD changer or DVD changer does not turn on.

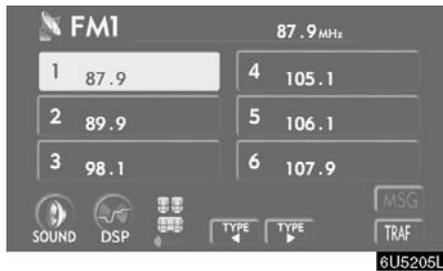
You can turn off CD changer or DVD changer by ejecting the disc. If the audio system was previously off, then the entire audio system will be turned off when you eject the disc. If another function was previously playing, it will come on again.



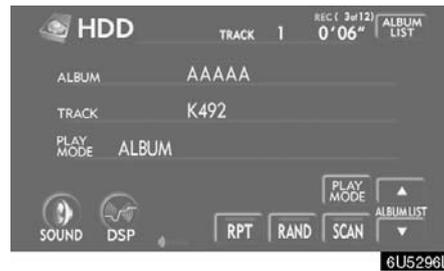
6U5204L



6U5101aL



6U5205L



6U5296L



6U5208L

The buttons for radio, CD changer, DVD changer and sound library 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.



6U5086bL

INFORMATION

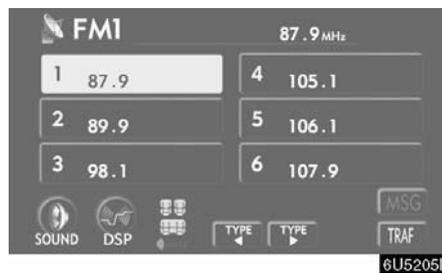
- *If the system does not respond to a touch of a touch-screen button, move your finger away from the screen and then touch it again.*
- *You cannot operate dimmed touch-screen buttons.*
- *Wipe off fingerprints on the surface of the display using a glass cleaning cloth.*

• Tone and balance

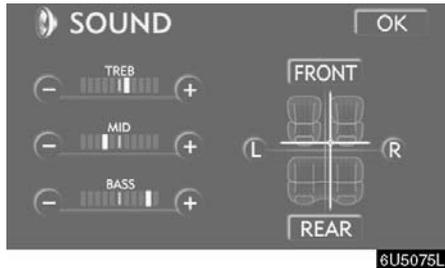
How good an audio program sounds to you is largely determined by the mix of the treble, midrange, and bass levels. In fact, different kinds of music and vocal programs usually sound better with different levels of treble, midrange, and bass.

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. Touching "SOUND" displays the sound adjustment screen.



2. 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.

3. Touch “OK”.

The tone of each mode (for such as AM, FM and DVD changer) can be adjusted.

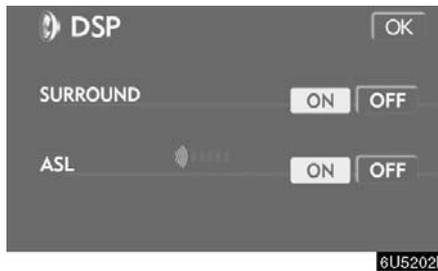
● **DSP control**

You can change the listening position or turn on/off the surround function and the automatic sound levelizer.

To display the DSP control mode screen, touch “DSP” on the audio control mode screen.



▶ **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**



Touching “WIDE” displayed on the screen in the video control mode will display the wide mode control screen.

“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 face up. If not, "CD × × Check" or "DISC × Check" will appear on the screen.



NOTICE

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

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 “AM-SAT” or “FM” to choose either an AM or FM station.

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

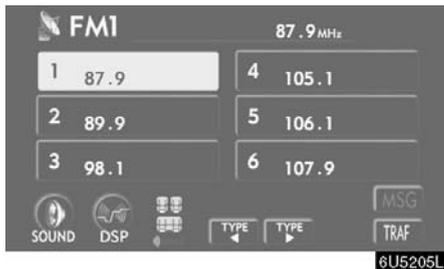
If your vehicle is equipped with a satellite radio broadcast system, when you push the “AM-SAT” button, “AM”, “SAT1”, “SAT2”, “SAT3” station appears on the display. For details about satellite radio broadcast, see “— Radio operation (XM satellite radio broadcast)” on page 191.



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 touch-screen buttons (1 — 6) you want and hold it until a beep is heard.

This sets the station to the 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 touch-screen button (1 — 6) or push the “^” or “v” 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 “v” 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)**

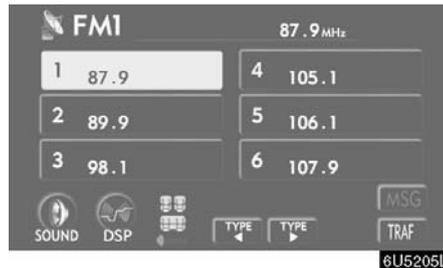
Your audio system is equipped with Radio Data Systems (RDS). RDS mode allows you to receive text messages from radio stations that utilize RDS transmitters.

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.

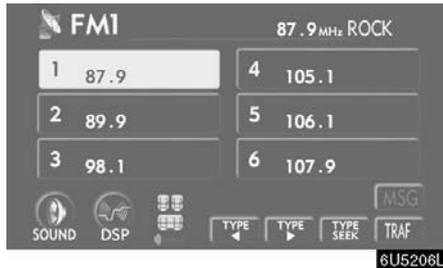
If the system receives no RDS stations, “NO PTY” appears on the display.



“TYPE ◀▶”

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

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

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

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

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, 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 states.

How to subscribe: You must enter into a separate service agreement with the XM 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 complete information on subscription rates and terms, or to subscribe to the XM radio, visit XM on the web at www.xmradio.com or call an XM’s Listener Care at (800) 967–2346. The XM 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 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.

- **Listening to satellite radio**



Push the "AM-SAT" button to choose either an AM station or an SAT 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 touch-screen buttons (1 — 6) and hold it until a beep is heard.**

This sets the channel to the button and the name and number of the channel appears on the touch-screen button.

Each SAT mode can store up to 6 stations. 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.

If you resubscribe to XM satellite radio after canceling your subscription, channels may need to be preset again.

- **Selecting a channel**

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

Preset tuning: Touch the channel selector touch-screen button (1 — 6) for the channel you want. The touch-screen button (1 — 6) is highlighted and channel number appears on the display.

To select channel within the current category: Push the “^” or “v” 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 contract 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.

The XM Listener Care Center is also available on the phone, please call 1-800-XM-RADIO (1-800-967-2346) during the following hours:
 Monday — Saturday: 6 a.m. — 2 a.m. Sunday: 8 p.m. — 8 a.m. (ET)

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

Alteration 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 and MP3 discs.

- Audio CD, CD text 203
- MP3/WMA disc 206

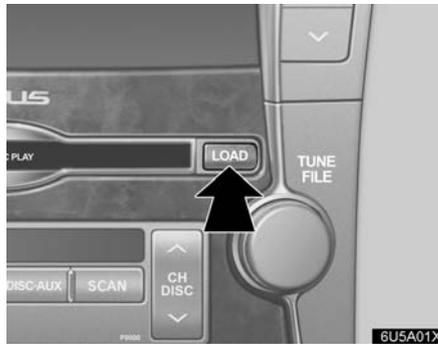
For appropriate discs for this changer, see “Audio/video system operating hints” on page 255.

(a) Inserting or ejecting discs

The engine switch must be in the “ACC” or “IG-ON” mode.

Your CD changer can store up to 6 discs.

• Setting a single disc:



1. Push the “LOAD” button briefly.

The amber indicator of the slot start blinking. After the amber indicator changes to green and stays 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.

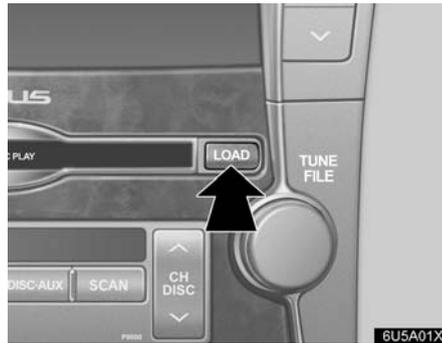
After insertion, the set disc is automatically loaded.

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, 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 amber indicator of the slot starts blinking. After the amber indicator changes to green and stays 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 amber indicator starts blinking.

3. Insert the next disc after the amber indicator changes to green and stays on and the CD changer door opens.

4. Repeat this procedure until you insert all the discs.

To cancel the operation, push the “LOAD” or “DISC-AUX” button.

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 disc alone:



1. Push the “^” or “v” 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 amber indicator of the slot starts blinking and the disc is ejected.

3. After the blinking indicator stays on, remove the disc.

- **Ejecting all the discs:**



- 1. Push the ▲ button for the disc until you hear a beep.**

At this time, the amber indicator of the slot starts blinking and a disc is ejected.

- 2. After the blinking indicator stays on, remove the disc.**

The indicator starts blinking again and the next disc is ejected.

To cancel the operation, push the “LOAD” or “DISC-AUX” button.

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 indicator goes 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.

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

The 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 “v” 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.

CD text only — The disc title and track title will appear on the screen when pushing the “DISC-AUX” button.

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 “v” 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.



6U5087bL

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 “v” 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**



6U5212L

Searching for a desired track —

While the disc is playing, touch “SCAN” on the screen 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” on the screen 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 29 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 “FOLDER▲” to go to the next folder.

“FOLDER▼”: Touch “FOLDER▼” briefly 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.



● **Selecting a desired file**



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.

“**SEEK/TRACK**” button: Use for direct access to a desired file.

Push the “^” or “v” 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 button, the changer will resume playing from that position.

Reverse: Push the “v” 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” on the screen 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”** on the screen 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” on the screen 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” on the screen 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” button 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 “RAND” once again.

When a file is skipped or the system is inoperative, touch “RAND” to reset.

(f) If the changer malfunctions

If the changer or another unit equipped with the changer 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 255.

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 changer unit may be too hot due to the very high ambient temperature. Eject the disc and allow the changer 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 203
- MP3/WMA disc 206
- DVD video, DVD audio 216
- Video CD 229

For appropriate discs for this changer, see “Audio/video system operating hints” on page 255.

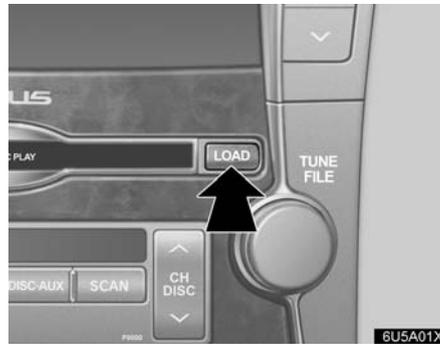
For safety reasons, you can enjoy DVD video discs, DVD audio discs and video CDs only when the vehicle is completely stopped with the engine switch is in the “ACC” or “IG-ON” mode and the parking brake applied. While you are driving, you can hear audio alone even in the DVD video, DVD audio or video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

(a) Inserting or ejecting discs

The engine switch must be in the “ACC” or “IG-ON” mode.

Your DVD changer can store up to 6 discs.

● Setting a single disc:



1. Push the “LOAD” button briefly.

The amber indicator of the slot starts blinking. After the amber indicator changes to green and stays 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.

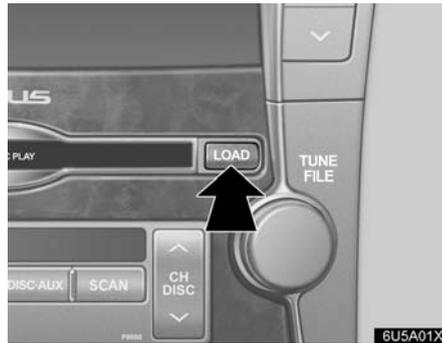
After insertion, the set disc is automatically loaded.

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 amber indicator of the slot starts blinking. After the amber indicator changes to green and stays 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 amber indicator starts blinking.

3. Insert the next disc after the amber indicator changes to green and stays on and the DVD changer door opens.

4. Repeat this procedure until you insert all the discs.

To cancel the operation, push the “LOAD” or “DISC-AUX” button.

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 “v” 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 amber indicator of the slot starts blinking and the disc is ejected.

3. After the blinking indicator stays on, remove the disc.

● **Ejecting all the discs:**



1. Push the  button for the disc until you hear a beep.

At this time, the amber indicator starts blinking and a disc is ejected.

2. After the blinking indicator stays on, remove the disc.

The indicator starts blinking again and the next disc is ejected.

To cancel the operation, push the “LOAD” or “DISC-AUX” button.

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 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 disc and MP3/WMA disc only —

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

The changer will skip any empty disc trays.

INFORMATION

When a DVD-video disc or DVD-audio disc is inserted while driving, the main story will automatically be played. However, some discs may not be played from the main story.

(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 “v” 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 231.

● **Precautions on DVD video disc**

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

When playback of a disc is completed:

- If an audio CD or MP3/WMA disc is playing, the first track or file starts.
- If a DVD video, DVD audio or video CD is playing, playback will stop or the menu screen will be displayed.

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

 **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 switch is in the “ACC” or “IG-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.

If you touch “PICTURE” when the vehicle is completely stopped and the parking brake is applied, the video screen returns.

- **Displaying DVD controls**



- ▶ **DVD video**

- ▶ **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 220.)

 : 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 225.)

“Search”: The title search screen appears. (See page 220.)

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

“AUDIO”: The audio changing screen appears. (See page 223.)

“Subtitle”: The subtitle changing screen appears. (See page 223.)

“Angle”: The angle selection screen appears. (See page 224.)

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 224.)

 : The menu control key appears on the screen. (See page 220.)

 : Touching this will 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 225.)

“Select Number”: The track or number search screen appears. (See page 221.)

“Search”: The group search screen appears. (See page 221.)

“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 222.)

“Next Still”: Touch this button to forward the still pictures. (See page 222.)

“Subtitle”: The subtitle changing screen appears. (See page 223.)

“Angle”: The angle selection screen appears. (See page 224.)

- **Selecting a menu item**



Enter the menu item using ▲, ▶, ▼ and ◀ buttons and touch “Enter”.

The changer 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”.

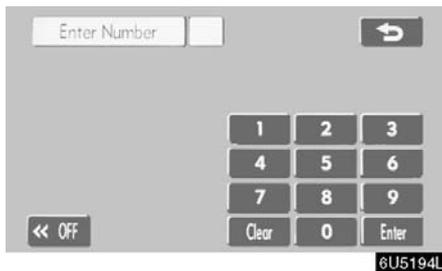
The player starts playing video for that title number.

When you push the “^” or “v” 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 track**



DVD audio only —

Enter the track numbers on the searching track screen and touch “Enter”.

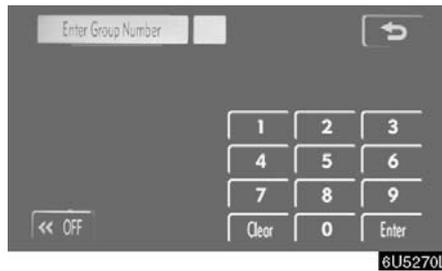
The changer starts playing video for that title number.

You can select a track number by pushing the “^” or “v” button of “**SEEK/TRACK**”.

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

Touch , and 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 changer starts playing the disc from the entered group number.

When you push the “^” or “v” 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”.

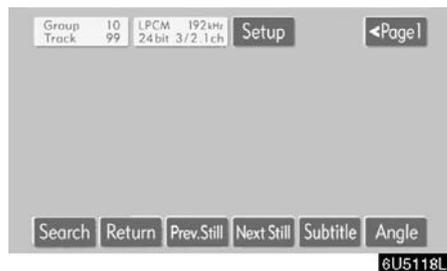
The “Enter Key Code” screen will appear. To enter the number of the group you want to play, push the group number.

If you enter the wrong number, touch ◀ to delete the number.

Touch “Enter” on the screen.

The changer 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 226.

To return to the **“Setup Menu”** screen, touch .

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 226.

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 226.

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.

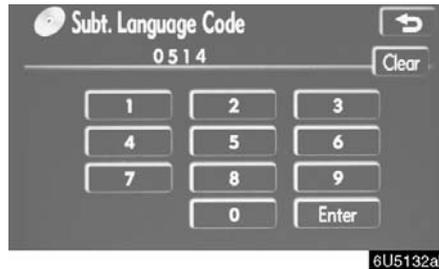
If you enter the wrong numbers, touch “**Clear**” to delete the numbers.

10 touches of “**Clear**” will initialize 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	0704	Scots-Gaelic
0102	Abkhazian	0712	Galician
0106	Afrikaans	0714	Guarani
0113	Amharic	0721	Gujarati
0118	Arabic	0801	Hausa
0119	Assamese	0809	Hindi
0125	Aymara	0818	Croatian
0126	Azerbaijani	0821	Hungarian
0201	Bashkir	0825	Armenian
0205	Byelorussian	0901	Interlingua
0207	Bulgarian	0905	Interlingue
0208	Bihari	0911	Inupiak
0209	Bislama	0914	Indonesian
0214	Bengali	0919	Icelandic
0215	Tibetan	0923	Hebrew
0218	Breton	1009	Yiddish
0301	Catalan	1023	Javanese
0315	Corsican	1101	Georgian
0319	Czach	1111	Kazakh
0325	Welsh	1112	Greenlandic
0401	Danish	1113	Cambodian
0426	Bhutani	1114	Kannada
0515	Esperanto	1119	Kashmiri
0520	Estonian	1121	Kurdish
0521	Basque	1125	Kirghiz
0601	Persian	1201	Latin
0609	Finnish	1214	Lingala
0610	Fiji	1215	Laothian
0615	Faroese	1220	Lithuanian
0625	Frisian	1222	Latvian
0701	Irish	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

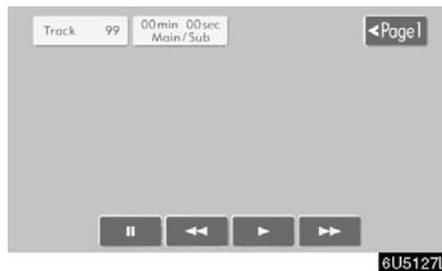


Push the “AUDIO” button to display this screen.

When you touch “WIDE”, the screen mode can be changed.

If 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 230.)

“**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 changer 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 changer 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

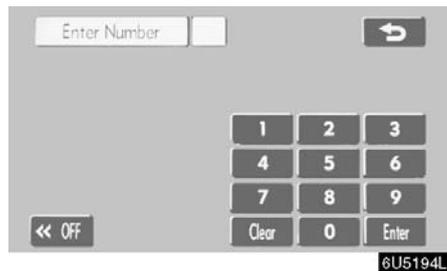
 : Use this button to pause the video screen.

 : 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 changer starts playing video for that title number.

You can select a track number by pushing the “^” or “v” button of “**SEEK/TRACK**”.

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

Touch  , and the previous screen returns.

(f) If the changer malfunctions

If the changer or another unit equipped with the changer 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 255.

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 changer unit may be too hot due to the very high ambient temperature. Eject the disc and allow the changer 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 display. 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:

	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 232.

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.

— Sound library operation (with DVD changer)

About 2000 tracks can be recorded to the hard disc drive (HDD) from audio discs (if 5-minute tracks are recorded at 128 kbps).

The recorded tracks will be provided with album, artist, genre and title names using the Gracenote, Inc. (CDDDB) database. These names can help you search for a track easily.

Recording equipment should be used only for lawful copying and you are advised to check carefully what is lawful copying in the country in which you are making a copy. Copying of copyright material such as films or music is unlawful unless permitted by a legal exception or consented to by the right owners.

NOTICE

- *The sound library is compatible with SCMS (Serial Copy Management System). A duplicate of a digital audio CD that is on a CD-R cannot be recorded to the HDD.*
- *The data recorded on the HDD cannot be used without the copyright owner's permission. The data is for personal use only.*
- *Operations on the navigation system may take more time during recording than normal.*
- *Tracks from a CD are recorded in 4 times speed. You can listen to that sound during recording.*
- *The data is recorded using a highly efficient compression method, so sound may slightly differ from the original depending on the sound source.*
- *Recording is possible only with a CD that contains 44.1 kHz, 16-bit-stereo PCM digital audio data.*

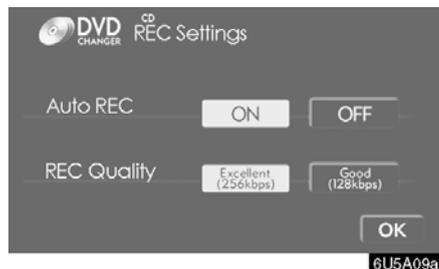
- **Recording to the sound library is not possible from media (such as CD-Rs) in which MP3 files are stored.**
- **When you are recording a CD with no track intervals (such as a live concert CD), the sound may break in a track when the music data is played back.**
- **Lexus does not compensate for contents that cannot be recorded or any loss of recorded data due to a malfunction or failure of the navigation system.**
- **Make sure to check the recording operation before recording and check the recorded contents after recording.**
- **Recording is not guaranteed for all CDs.**
- **The data saved or recorded onto this navigation system by the customer cannot be extracted from the navigation system, and those service cannot be accepted.**
- **The data saved or recorded onto this navigation system by the customer cannot be guaranteed during repair or service. Lost data that was saved or recorded by the customer is not guaranteed.**
- **Due to copyrights, the music data recorded into the sound library cannot be backed up during repair or service.**
- **Before using the sound library, see “(d) Database” on page 249.**

(a) Recording to the sound library

- Record setting



1. Touch “REC SETTINGS” when playing an audio disc.



2. Touch the desired button.

Auto REC:

Touch “ON” to automatically start recording simultaneously with playback of an audio disc.

Touch “OFF” to manually record only the selected tracks. The default setting of “Auto REC” is “OFF”.

REC Quality:

The sound quality used for recording can be set. Touch either “Excellent (256 kbps)” or “Good (128 Kbps)”.

3. Touch “OK”.

INFORMATION

When the "REC Quality" is set to "Good (128 kbps)", the sound quality is lower than that of "Excellent (256 kbps)". However, more tracks can be recorded using "Good" because the file size is smaller.

- **Recording an audio disc automatically**

If "Auto REC" is set to "ON" on the "REC Settings" screen, recording starts simultaneously with the playback of an audio disc.



"●REC" is displayed while recording.



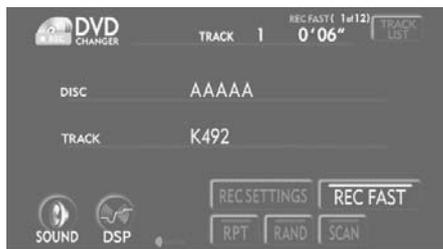
"HDD" is displayed to the left of the recorded track names on the "TRACK LIST" screen.

"TRACK LIST" cannot be operated while driving.



6U5A12aL

Touching “**REC FAST**” can allow recording up to 4 times faster than normal. The audio plays at a normal speed during fast recording.



6U5A13L

“**●REC**” is displayed during fast recording.

“**RPT**”, “**RAND**”, “**SCAN**”, “**REC SETTINGS**” and “**TRACK LIST**” cannot be operated during fast recording. Fast forwarding and reversing are also not possible.

Touch “**REC FAST**” again to return to normal speed recording.

● Recording an audio disc manually

If “Auto REC” is set to “**OFF**” on the “REC Settings” screen, only selected tracks will be recorded.

This function cannot be operated while driving.



6U5A14aL

1. Touch “**●REC**”.



6U5A15L

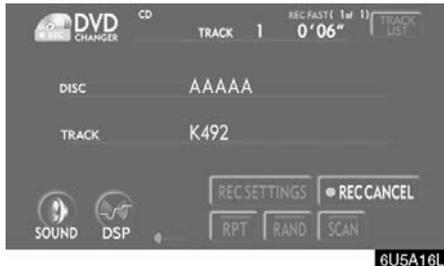
2. Touch the desired track.

Touching the desired track again cancels selection of the track.

Touch “**SELECT ALL**” to select all the tracks.

Touch “**SELECT NONE**” to cancel all the selections.

3. Touch “**OK**”.



“●REC” is displayed while recording.

“RPT”, “RAND”, “SCAN”, “REC SETTINGS” and “TRACK LIST” cannot be operated during manual recording. Fast forwarding and reversing are also not possible.

Touch “●REC CANCEL” to cancel recording.

The playback sound of an audio disc during fast recording is the sound recorded to the HDD. However, the playback sound will change from the HDD to the audio disc in the following situations, and the playback will pause for about 1 to 2 seconds.

- **Fast recording is completed.**
- **“●REC CANCEL” is touched during manual recording.**
- **“REC FAST” is touched during fast recording to return to normal speed recording. (The playback pause will not affect the recording.)**

INFORMATION

If the mode is switched to a mode other than the DVD changer, recording will continue. However, recording will be canceled and the track being recorded will be deleted in the following situations.

- **The engine switch is turned OFF while recording.**
- **The audio switch is turned OFF while recording.**
- **The audio disc being recorded is ejected, or another disc is selected using the DVD changer.**
- **“Auto REC” is switched from “ON” to “OFF” on the “REC Settings” screen.**
- **“RPT”, “RAND” or “SCAN” is operated, fast forwarding or reversing is performed, or the track is changed during normal speed recording.**
- **The file size of the track being recorded exceeds the available HDD space.**

(b) Listening to a track recorded to the sound library

The tracks recorded from audio discs are provided with album, artist, genre and title names using the Gracenote, Inc. (CDDb) database and they are stored in the sound library on the HDD.

The stored tracks can be sorted using three play modes. The three modes are album, artist and genre.

In order to listen to a track recorded to the sound library, search for the track by selecting an album, artist or genre name in a play mode list.

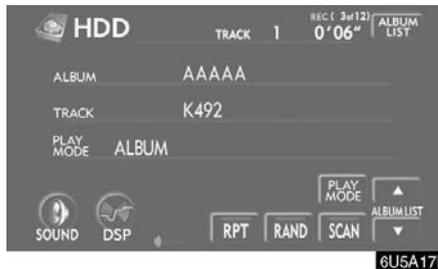


Push the “DISC-AUX” button. The “HDD” screen will be displayed.

The tracks recorded to the sound library are played. The album, artist, genre or track name, play mode, track number and playback time are displayed during playback.

● **Selecting the desired mode**

1. Push the “AUDIO” button to display this screen.



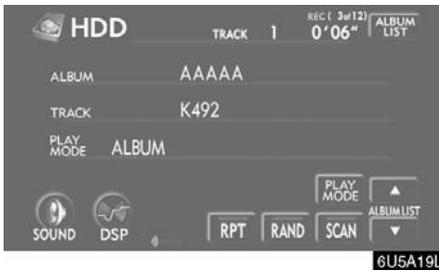
2. Touch “PLAY MODE”.



3. Touch the desired mode.

- **Selecting a desired album/artist/genre**

The selection procedure described below is for album mode. The artist and genre modes can also be operated using the same procedure.



Touch the desired album/artist/genre. The audio system will start playing the first track of the selected album/artist/genre.

“**TRACK LIST**”: The track list of the selected album/artist/genre is displayed.

“**DETAIL**”: Details of the track currently playing are displayed. This function is available only when the vehicle is not moving.

▶ **Album mode**



“**ALBUM/ARTIST/GENRE LIST**” ▲: Touch this button to go to the next album/artist/genre.

“**ALBUM/ARTIST/GENRE LIST**” ▼: Touch this button to go to the previous album/artist/genre.

“**CH/DISC**” button: Push the “^” or “v” button to go to the next or previous album/artist/genre.

“**ALBUM/ARTIST/GENRE LIST**”: The desired album/artist/genre can be selected from a list. This function is available only when the vehicle is not moving.

Touch “**ALBUM/ARTIST/GENRE LIST**”. The album/artist/genre list is displayed.

INFORMATION

- *For tracks that were not provided with a name from the database when they were recorded, the date of recording is displayed.*
- *The album list and artist list are displayed in alphabetical order.*

- **Selecting a desired track**

The selection procedure described below is for album mode. The artist and genre modes can also be operated using the same procedure.



6U5A07X

“SEEK/TRACK” button: Push the “^” or “v” button and repeat it until the desired track number appears on the display. As you release the button, the audio system will start playing the selected track.



6U5299X

“TUNE/FILE” knob: Turn the knob to move up or down until the desired track number appears on the display.



6U5A21L

▶ **Album mode**

“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 will be displayed.



6U5A22L

Touch the desired track number. The selected track will start playing from the sound library.

“ALBUM/ARTIST/GENRE LIST”: The album/artist/genre list is displayed.

“DETAIL”: Details of the track currently playing are displayed. This function is available only when the vehicle is not moving.

Fast forward: Push the “^” button of **“SEEK/TRACK”** and hold it to fast forward the track. When you release the button, the track will resume playing from that position.

Reverse: Push the “v” button of **“SEEK/TRACK”** and hold it to reverse the track. When you release the button, the track will resume playing.

- **Searching for a desired track or album/artist/genre**

The search procedure described below is for the album mode. The artist and genre modes can also be operated using the same procedure.



▶ **Album mode**

Searching for a desired track —
Touch “SCAN” or push the “SCAN” button briefly.

“SCAN” appears on the screen. The sound library will play 10 seconds of the next track, and then scan again. To select a track, touch “SCAN” or push the “SCAN” button once again. If the sound library reaches the end of the album/artist/genre, it will continue scanning from track 1 of the same album/artist/genre.

After all the tracks in the album/artist/genre have been scanned once, normal play will resume.

Searching for a desired album/artist/genre —

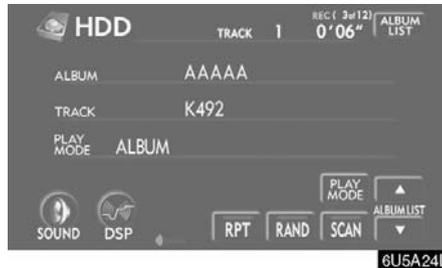
Touch “SCAN” or push the “SCAN” button and hold it until “PM.SCAN” appears on the screen.

The track of the beginning of each album/artist/genre will be played for 10 seconds. To continue listening to the album/artist/genre of your choice, touch “SCAN” or push the “SCAN” button once again.

After all the albums/artists/genres are scanned in one pass, normal play will resume.

- **Other functions**

The procedure described below is for the album mode. The artist and genre modes can also be operated using the same procedure.



▶ **Album mode**

“RPT”: Use it to automatically repeat the track or album/artist/genre you are currently listening to.

Repeating a track —

Touch “RPT” briefly.

“RPT” appears on the screen. When the track is finished, the audio system will automatically go back to the beginning of the track and play the track again. To cancel the repeat function, touch “RPT” once again.

Repeating an album/artist/genre —

Touch “RPT” and hold it until “PM.RPT” appears on the screen.

When the album/artist/genre is finished, the audio system will automatically go back to the beginning of the album/artist/genre and play the album/artist/genre again. To cancel the repeat function, touch “RPT” once again.

“RAND”: Use this function for automatic random selection of tracks.

Playing the tracks from the album/artist/genre in random order —

Touch “RAND” briefly.

“RAND” will appear on the screen. The audio system will select tracks from the album/artist/genre being listened to in random order. To cancel the function, touch “RAND” once again.

Playing the tracks from all the albums/artists/genres in random order —

Touch “RAND” and hold it until the “PM.RAND” appears on the screen.

The audio system will select tracks from all the albums/artists/genres in random order. To cancel the function, touch “RAND” once again.

(c) Editing data recorded to the sound library

Recorded albums and tracks can be deleted, and track information can be edited or retrieved from the database (CDDDB). The data cannot be edited while driving.

● **Deleting albums**

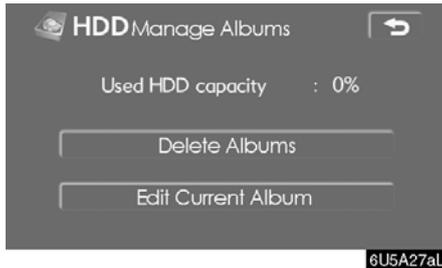
All the tracks in a selected album can be deleted.



1. Touch “MANAGE ALBUMS” on the album mode, artist mode or genre mode screen.



If you touched “MANAGE ALBUMS” on the artist mode or genre mode screen, touch “YES”.



6U5A27aL

2. Touch “Delete Albums”.



6U5A28aL

3. Select a desired album from the list and touch “Delete”.

Touching the desired album from the list again cancels the selection.

Touch **“Select All”** to select all the albums.

Touch **“Select None”** to cancel all the selections.



6U5A29aL

4. Touch “YES”.

• Deleting tracks

Selected tracks can be deleted.



6U5A30L

1. Play the desired track and touch “MANAGE ALBUMS” on the album mode, artist mode or genre mode screen.



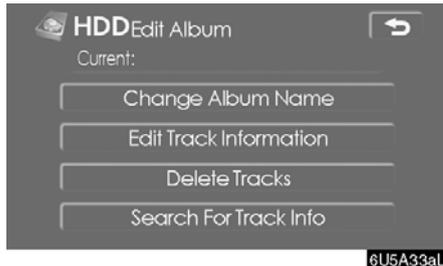
6U5A31L

If you touched **“MANAGE ALBUMS”** on the artist mode or genre mode screen, touch **“YES”**.



6U5A32aL

2. Touch “Edit Current Album”.



6U5A33aL

3. Touch “Delete Tracks”.



6U5A34aL

4. Select a desired track from the list and touch “Delete”.

Touching the desired track from the list again cancels the selection.

Touch “**Select All**” to select all the tracks.

Touch “**Select None**” to cancel all the selections.



6U5A35aL

5. Touch “YES”.

● **Changing the name of an album**

The name of an album can be changed.



6U5A36L

1. Play the desired album, and touch “MANAGE ALBUMS” on the album mode, artist mode or genre mode screen.



6U5A37L

If you touched “**MANAGE ALBUMS**” on the artist mode or genre mode screen, touch “**YES**”.



6U5A38aL

2. Touch “Edit Current Album”.



6U5A39aL

3. Touch “Change Album Name”.



6U5A40aL

4. Input the name and touch “OK”.

● Changing track information

Track information can be changed.



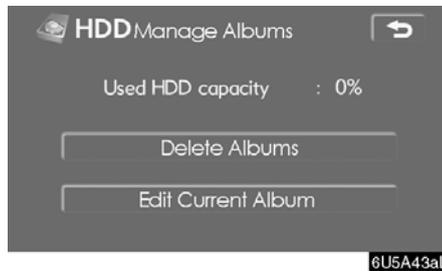
6U5A41L

1. Play the desired track, and touch “MANAGE ALBUMS” on the album mode, artist mode or genre mode screen.



6U5A42L

If you touched “**MANAGE ALBUMS**” on the artist mode or genre mode screen, touch “**YES**”.



6U5A43aL

2. Touch “Edit Current Album”.



6U5A44aL

3. Touch "Edit Track Information".



6U5A45aL

4. Touch the desired track.



6U5A46L

5. Touch "EDIT" for the item to be edited.

CHANGING A TRACK TITLE

1. Touch "EDIT" beside the track name on the "DETAIL" screen.

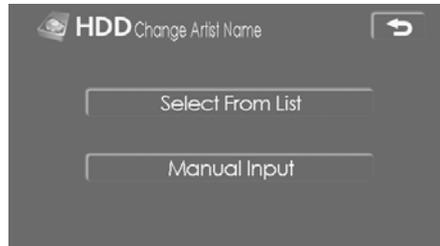


6U5A47aL

2. Enter the name and touch "OK".

CHANGING AN ARTIST NAME

1. Touch "EDIT" beside the artist name on the "DETAIL" screen.



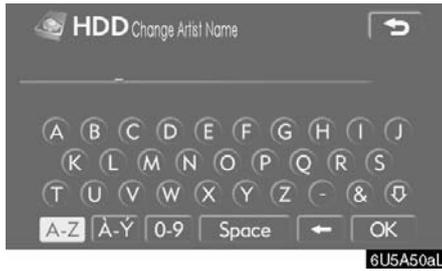
6U5A48aL

2. Touch "Select From List" or "Manual Input".



6U5A49aL

3. If you touched "Select From List", touch the desired artist name from the list.



6U5A50aL

If you touched “Manual Input”, input the artist name and touch “OK”.



6U5A53aL

3. To apply the change to all the tracks on the album, touch “YES”.

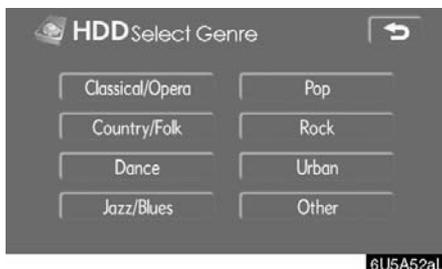


6U5A51aL

4. To apply the change to all the tracks on the album, touch “YES”.

CHANGING THE GENRE

1. Touch “EDIT” beside the genre shown on the “DETAIL” screen.



6U5A52aL

2. Touch the desired genre.

- **Retrieving track information from the database (CDDB)**

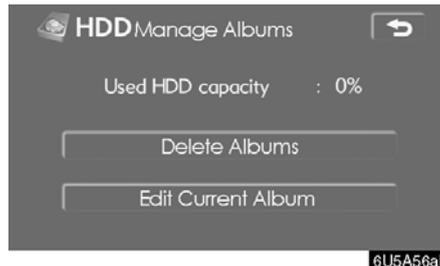
If the track information that was provided when a track was recorded is not correct, you can search for track information from the database stored in the HDD and edit the information.



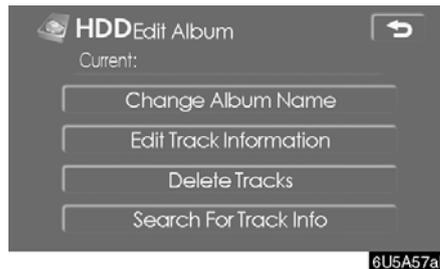
1. Touch **“MANAGE ALBUMS”** on the album mode, artist mode or genre mode screen.



If you touched **“MANAGE ALBUMS”** on the artist mode or genre mode screen, touch **“YES”**.



2. Touch **“Edit Current Album”**.



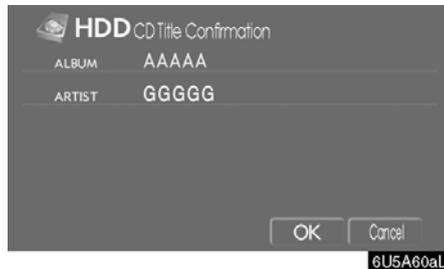
3. Touch **“Search For Track Info”**.



To stop the search, touch **“Cancel”**.

4. If there are multiple album titles, a list screen will be displayed. Select and touch the correct title.

To stop the process, touch **“Cancel”**.



5. Touch “OK”.

(d) Database

When an audio disc is played or recorded, the system will search for album, artist, genre and title names from the database stored in the HDD. If the information is available in the database, the audio disc will be automatically provided with the information. The system uses the Grace-note CDDB as its database.

INFORMATION

- *The information provided may be different from the actual information.*
- *100% accuracy is not guaranteed for the data provided by the Grace-note CDDB music recognition service.*
- *To check the database version number, see “To confirm the map data and CDDB versions and map coverage area” on page 313.*
- *For details about updating the CDDB, contact your Lexus dealer.*

● **About Gracenote CDDB**

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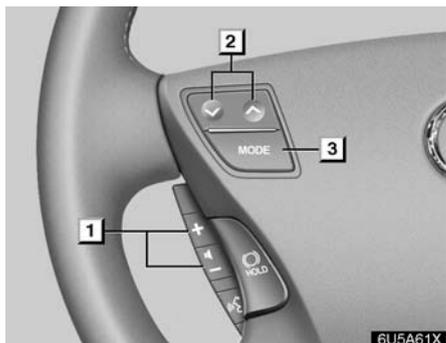
The Gracenote MusicID Service uses a unique identifier to track queries for statistical purposes. The purpose of a randomly assigned numeric identifier is to allow the Gracenote MusicID service to count queries without knowing anything about who you are. For more information, see the web page for the Gracenote [Privacy Policy](#) for the Gracenote MusicID Service.

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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 switches

2 “^” “v” switch

3 “MODE” switch

1 Volume control switches

Pull the “+” switch to increase the volume. The volume continues to increase while the switch is being pulled.

Pull the “-” switch to decrease the volume. The volume continues to decrease while the switch is being pulled.

2 “^” “v” switch

Radio

To select a preset station:

Quickly push and release “^” or “v” side of the switch. Do this again to select the next preset station.

To seek a station:

Push and hold “^” or “v” side of the switch until you hear a beep. Do this again to find the next station. If you push either “^” or “v” side in seek mode, the seek mode will cancel.

Satellite radio

To select a preset station:

Push “^” or “v” side of the switch. Do this again to select the next preset station.

CD changer, DVD changer or Sound library

Use this switch 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 “^” or “v” side of the 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 “v” side once, quickly.

To select a desired disc or play list:

Push and hold “^” or “v” side until you hear a beep to change to the next or the previous disc or play list. Repeat this operation until you reach the disc or play list you want to listen to.

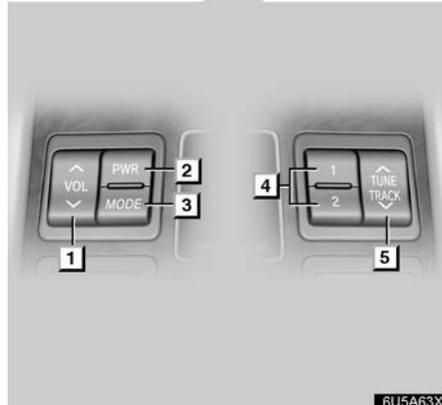
3 “MODE” switch

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.

— Rear armrest switches



Some parts of the audio/video system can be operated using the switches on the rear armrest.

To use the switches, pull the rear armrest forward and down.

Details of the specific switches, controls, and features are described below.

1 “VOL” switch

Push the “^” side to increase the volume. The volume continues to increase while the switch is being pressed.

Push the “v” side to decrease the volume. The volume continues to decrease while the switch is being pressed.

2 “PWR” switch

Push the “PWR” switch to turn the audio/video system on and off.

3 “MODE” switch

Push the “MODE” switch briefly to select an audio mode. Each push changes the mode sequentially if the desired mode is ready to use.

4 “1” and “2” switches

Radio and Satellite radio

Push the “1” switch to select a preset station. Do this again to select the next preset station.

CD changer and DVD changer

Push the “1” switch to change to the next disc. Repeat this operation until you reach the disc you want to listen to.

Push the “2” switch to change to the next folder when a MP3/WMA disc is playing. Repeat this operation until you reach the folder you want to listen to.

Sound library

Push the “1” switch to change to the next playlist. Repeat this operation until you reach the playlist you want to listen to.

5 “TUNE/TRACK” switch

Radio

Push the “^” or “v” side of the switch to change to the next or previous frequency. Repeat this operation until you reach the frequency you want to listen to.

Push and hold the “^” or “v” side of the switch until you hear a beep to seek a station. Do this again to find the next station. If you push the switch on either side during the seek mode, seeking will be cancelled.

Satellite radio

Push the “^” or “v” side of the switch to change to the next or previous channel. Repeat this operation until you reach the channel you want to listen to.

Push and hold the “^” or “v” side of the switch until the channel you want to listen to is set.

CD changer, DVD changer and Sound library

This switch has the following features —

To skip to a different track, file or chapter in either direction:

Quickly push and release the “^” or “v” side of the 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 “v” side of the switch once, quickly.

To fast-forward or reverse:

Push and hold the “^” or “v” side of the switch until you hear a beep. When you release the switch, the player will resume playing.

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 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, lightning, 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

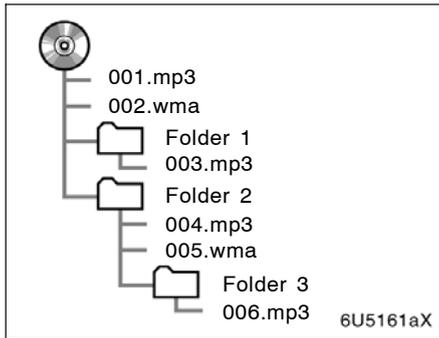
MPEG2 LSF LAYER3—64 to 160 kbps

WMA files:

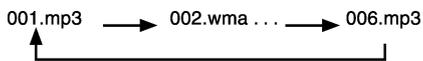
Ver. 7, 8 CBR—48 to 192 kbps

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.

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

⚠ CAUTION

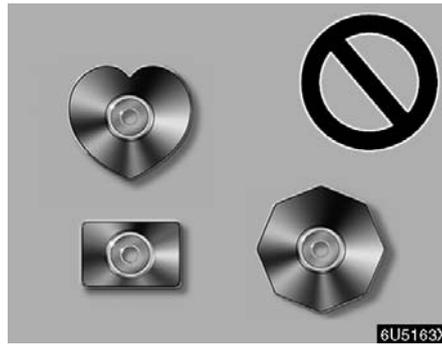
CD changer and DVD changer use an invisible laser beam which could cause hazardous radiation exposure if directed outside the unit. Be sure to operate the changer correctly.

DVD changer

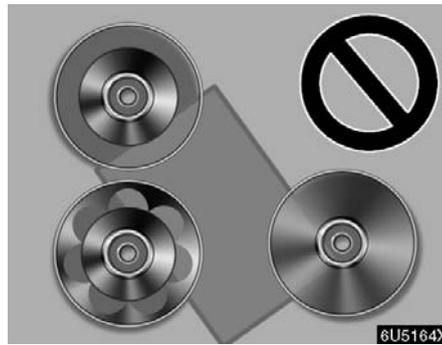
Audio CDs	 
DVD video discs	 
DVD audio discs	 
Video CDs	 

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

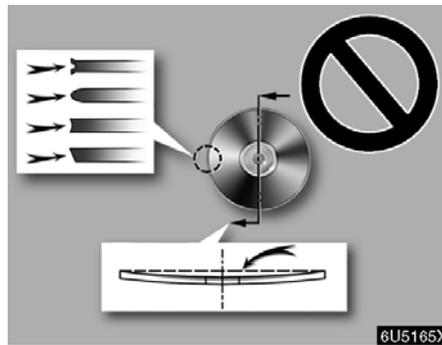
SACDs
 dts-CDs
 Copy-protected CDs
 DVD-Rs
 DVD+Rs
 DVD-RWs
 DVD+RWs
 DVD-ROMs
 DVD-RAMs



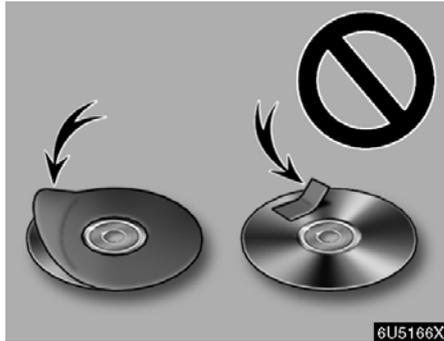
► Special shaped discs



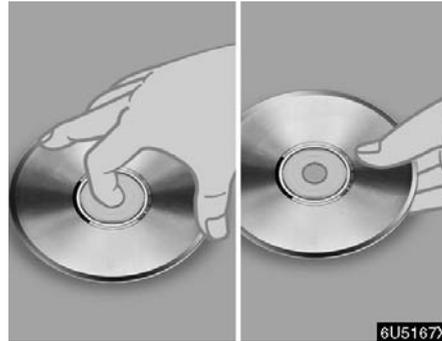
► Transparent / translucent discs



► Low quality discs



► Labeled discs



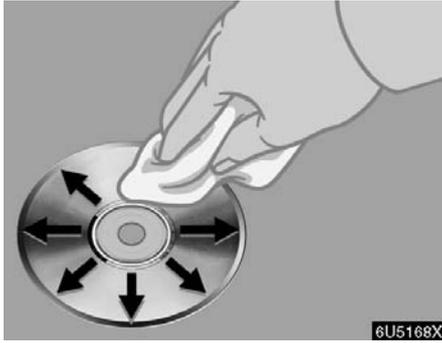
► Correct

► 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.

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.



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 VII

ADVANCED PARKING GUIDANCE SYSTEM

Advanced parking guidance system

- [Advanced Parking Guidance System](#) 264

Advanced parking guidance system —

The advanced parking guidance system helps back up parking by displaying a rear-view image in order to provide a reference for back up maneuvering, as well as automatically controlling the steering wheel when backing into a target parking position set on the screen. The system will not automatically back up or regulate speed.

The advanced parking guidance system is not an automatic parking system. It is a system to assist back up parking.

As the system only assists with parking in a set target parking position, there are times when the system will be unable to render this assistance, depending on factors such as road surface or vehicle condition, or the distance to the set target parking position.

Depending on the characteristics of the camera lens, the distance to or position of people or obstacles shown on the screen may differ slightly from actual conditions.

Vehicles with Lexus parking assist-sensors — 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 screen. For details, see “Owner’s Manual”.

SELECTING A LANGUAGE

See “Selecting a language” on page 175 for the procedure to select a language. Once you select a language, the advanced parking guidance system will indicate that language until you select another language.

CAUTION

- Never depend on the advanced parking guidance 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 distances. 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.
- Back up slowly, using the brake pedal to control the vehicle’s speed.
- If you seem likely to hit nearby vehicles, obstacles or people, depress the brake pedal to stop the vehicle, and then disable the system by touching  on the screen.
- Use the system for flat spaces.
- As the steering wheel moves automatically in the parallel parking assist mode and parking assist mode, be aware of the following points:
 - Keep clothing such as neckties, scarves and long sleeves away from the steering wheel, as they may become entangled. Also, keep children away from the steering wheel.
 - If you have long fingernails, be careful not to injure yourself when the steering wheel moves.

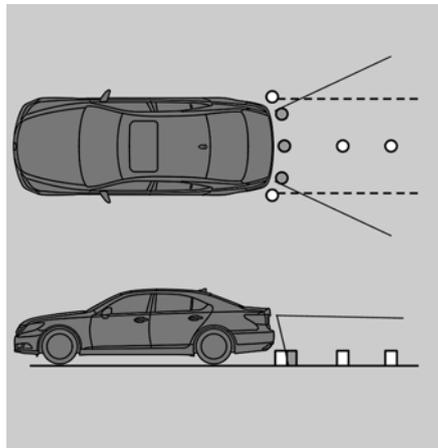
- If there is a problem, stop the vehicle and disable the system by touching  on the screen.
- Be sure to check that the vehicle can actually park in the target space before beginning operation.
- Do not use the system in the following conditions:
 - Out side of parking areas
 - In unprepared parking area such as gravel or sand
 - In parking areas that are crooked or have level variations
 - On slippery or icy roads, or in snow
 - If the asphalt is melted due to harsh sunlight
 - If there are obstacles in the target parking position (inside the green frame), or obstacles between the vehicle and the parking space
 - If there are a large number of vehicles or pedestrians passing
 - In areas unsuitable for parking (overly small parking space, cliff etc.)
 - If the image is hard to see due to dirt, direct sunlight, shadow or snow on the camera lens
 - If you are using tire chains or emergency tire(s)
- Do not use tires other than those installed by the manufacturer, as the system may not function correctly. Furthermore, if you change the tires, there may be errors in the positions of the lines and frames displayed on the screen. If you wish to change your tires, see your Lexus dealer .

- In the following conditions, assisted parking in the set parking position may not be possible:
 - The tires are extremely worn, or the tire inflation pressure is low
 - You are carrying an extremely heavy load
 - There is a load in one side of the vehicle only, causing the vehicle to lean
- 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.
- If you scrape the camera cover, or scrub it with a hard brush or an abrasive agent, you may scratch the cover, leading to poor picture quality.
- Do not allow organic solvent, car wax, window cleaner or paint coating to adhere to the camera. If this happens, wipe it off as soon as possible.

- If the camera is subjected to a collision, or the camera orientation confirmation lines are not in line with the bumper, it is likely that the camera position or angle of installation has become crooked. See your Lexus dealer 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.

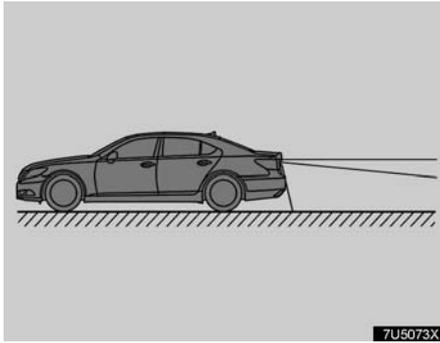
- **Area displayed on screen**

Image is displayed approximately level on screen.



▶ **Corners of bumper**

The area covered by the camera is limited. Objects which are close to either corner of the bumper or under the bumper cannot be seen on the screen.



The area displayed on the screen may vary according to vehicle orientation or road conditions.

- **The advanced parking guidance system**



The advanced parking guidance system camera is located on the trunk as shown in the illustration.

The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.

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 extremely 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) adheres to the camera lens
- When the camera has scratches or dirt on it
- When the sun or the beam of headlights is shining directly into the camera lens



If a bright light (for example, sunlight reflected off the vehicle body) is picked up by the camera, the smear effect*, peculiar to the CCD 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.

If you install the antenna of a wireless device close to the camera, the screen image may be affected by the electromagnetic waves, and the system may not function correctly. Install an antenna away from the camera.

The method for adjusting the picture quality of the advanced parking guidance system is the same as that for the navigation screen.

—Maneuvering when parking

Instructions given are only examples. When and how much to turn the steering wheel will vary according to traffic conditions, road surface conditions, vehicle condition, etc. when parking.

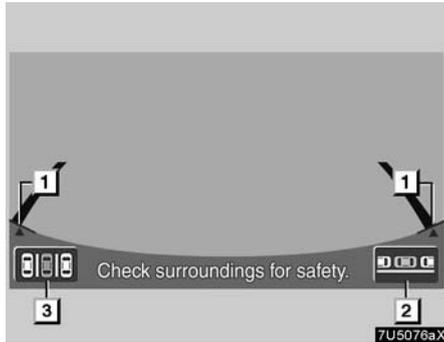
It is necessary to be fully aware of this before using the advanced parking guidance system.

Also, when parking, be sure to check that the parking space will accommodate your vehicle before maneuvering into it.

CAUTION

Depending on the circumstances of the vehicle (number of passengers, amount of luggage, etc.), the set target parking position displayed on the screen may change. Be sure to check visually behind and all around the vehicle before proceeding.

(a) To activate the advanced parking guidance system



To activate the advanced parking guidance system, place the selector lever in “R” position when the engine switch is in “IG-ON” mode.

- If you move the selector lever out of “R” position, the screen returns to the previous screen. Operating another function of the navigation system will display another screen.
- Even if the selector lever is in “R” position, if you push any of the mode buttons around the display, such as “MAP/VOICE” or “INFO”, the screen will switch to that mode.

1 Camera orientation confirmation lines

If the edge of the bumper displayed on the screen does not match the camera orientation confirmation lines, the camera may not be aligned correctly. Have the vehicle checked by your Lexus dealer.

2 Parallel parking assist mode button

Touching this button turns parallel parking assist mode on.

See “ — Parallel parking assist mode” on page 273 for details.

3 Parking assist mode button

Touching this button turns parking assist mode on.

See “ — Parking assist mode” on page 282 for details.

- To adjust the volume of the voice guidance, ask your Lexus dealer for details.

(b) Disabling the advanced parking guidance system

When in the parking assist mode or parallel parking assist mode, in the following case the voice guidance will say “The guidance has been cancelled”, a message will be displayed, and the system will be disabled. For displayed message, see page 292.

After the following operations

- Moving the steering wheel
- Using the accelerator
- Moving the selector lever out of “R” position
- Applying the parking brake
- Switching the screen display

In the following situation

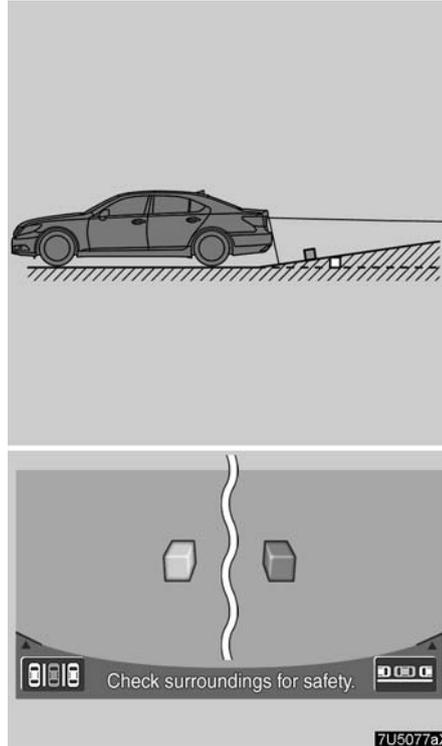
- If the vehicle slips forward or stops after taking your foot off the brake pedal
- If the backing speed is too fast
- If normal assistance cannot be rendered due to worn tires or low tire inflation pressure
- If the target parking position has not been confirmed on the target parking position setting screen before backing up
- Any warnings displayed on the screen are not acknowledged before backing up
- If there is a system malfunction

If the system is disabled while backing up, grip the steering wheel firmly and depress the brake pedal to bring the vehicle to a halt. The system has been completely disabled, so you may either start again from the beginning, or if you wish to finish parking manually, be sure to operate the steering wheel as you would normally.

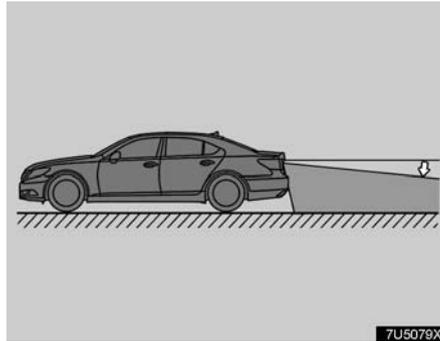
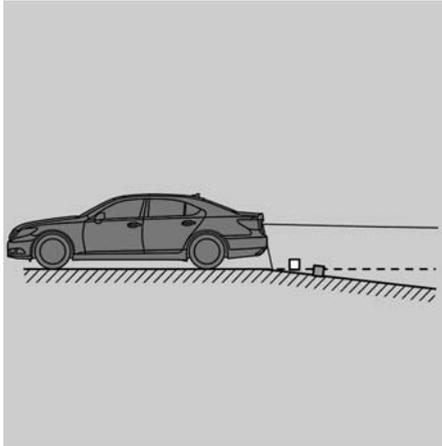
If a hands-free phone call is received, the hands-free screen will be displayed, and the system will be disabled.

—Driving precautions

In any of the following situations, there is a margin of error between the set target parking position on the screen and the actual distance/course on the road.

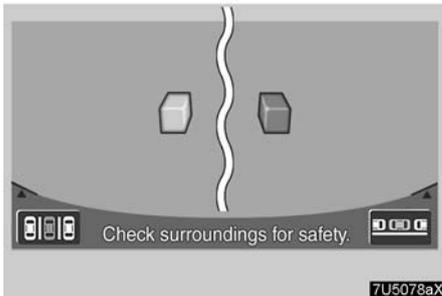


- When the grade behind the vehicle slopes up sharply, objects appear to be farther away than they actually are.



7U5079X

- When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the set target parking position on the screen and the actual distance/course on the road.



7U5078aX

- When the grade behind the vehicle slopes down sharply, objects appear to be closer than they actually are.

— Parallel parking assist mode

Parallel parking assist mode assists the driver with parallel parking by automatically controlling the steering wheel when backing up, in order to park in the target position set on the screen.

⚠ CAUTION

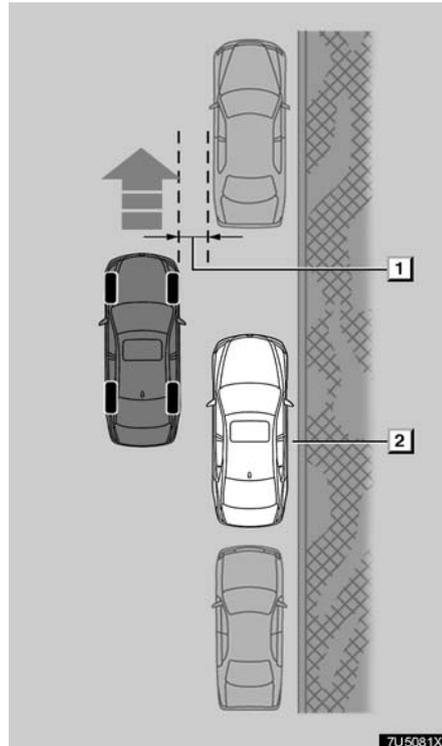
- When backing up, be sure to check your surroundings and behind the vehicle for safety, and back up slowly, depressing the brake pedal to control vehicle speed.
- If you seem likely to hit nearby vehicles, obstacles or people, depress the brake pedal to stop the vehicle, then disable the system by touching  on the screen.

As the system only assists with parking in a set target parking position, there are times when the system will be unable to render this assistance, depending on factors such as road surface or vehicle condition, or the distance to the set target parking position.

Use the system with full understanding of the fact.

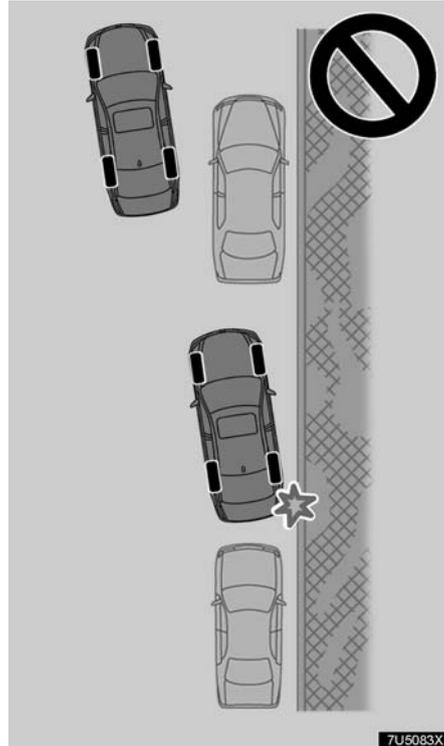
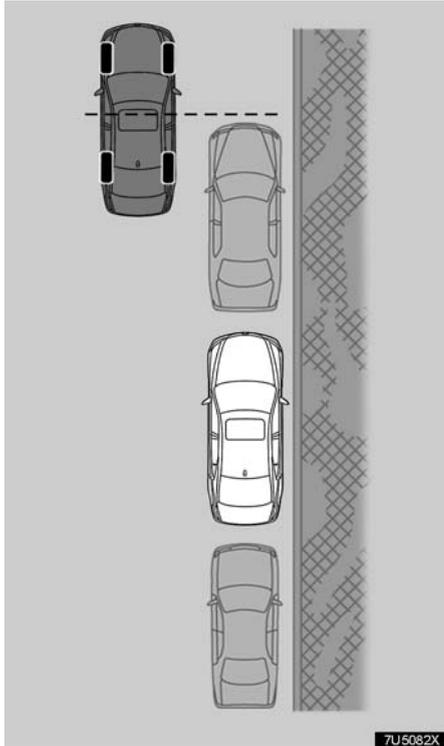
If a message is displayed while maneuvering, follow the procedures outlined in “ — What to do when this sort of message is displayed” on page 292.

The illustrations here describe the procedure for pulling into a parking space on the right. For pulling into a parking space on the left, substitute left for right and vice versa in all steps.



- ▶ **1** Approx. 3 ft. (1 m)
- ▶ **2** Desired parking location

1. Move your vehicle slowly to a position parallel to the road or shoulder approximately 3 ft. (1 m) away from parked vehicles.

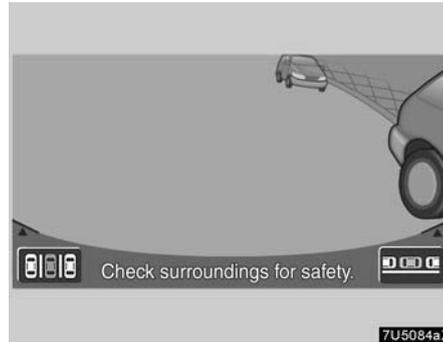


2. Stop your vehicle in a position where you can see the front edge of the leading parked vehicle right beside you, with the steering wheel straight.

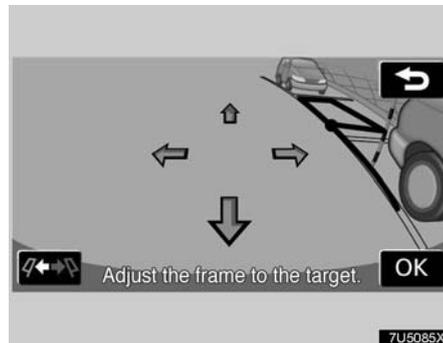
 CAUTION
<p>Be sure to stop the vehicle parallel to the road or shoulder. If the vehicle is not parallel, the assist location will be very near the shoulder. If it looks like the vehicle will hit or mount the shoulder, depress the brake pedal to stop the vehicle, and touch  on the screen to deactivate the system.</p>

If there is no leading parked vehicle, the system will display the target parking position (green or red frame) in the position used last time the parallel parking assist mode was activated.

3. Place the selector lever in the “R” position.



4. Touch  on the screen.



5. Use the arrow to align the green frame with your target parking space, and touch “OK”.

You can also move the green frame by touching the screen (area other than the arrows).

There are tricks to align the green frame. See “Tips for setting the target parking position” on page 279.

If the frame is displayed in red, you cannot use the parallel parking assist mode to park in that location. See “When a red frame is displayed in the assist mode” on page 295.

When the green frame is displayed, if you begin backing up without touching “OK”, the message “Parking position has not been set.” appears. If you continue to back up, you will hear a warning tone and the system will be disabled.

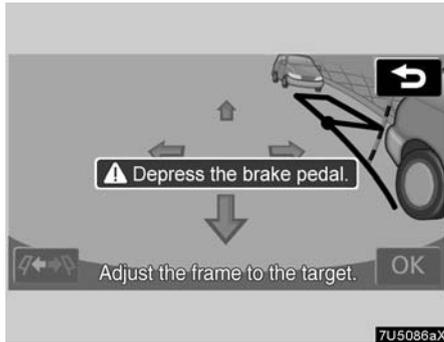
If the frame is red, there will be no guidance even if you begin backing up.

If the orientation of the frame is opposite to that of the target parking space, touch



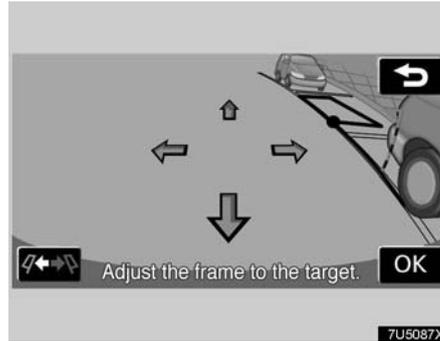
There may be times when, due to image distortion, the green frame does not match the parking space lines on the road surface. In this case, use the warning flag and green extension guide line to set the target parking position.

You may adjust the target parking position even after starting the parallel parking assist mode.



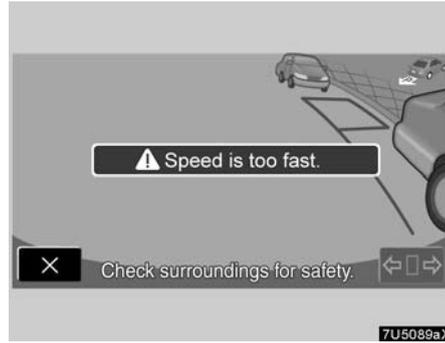
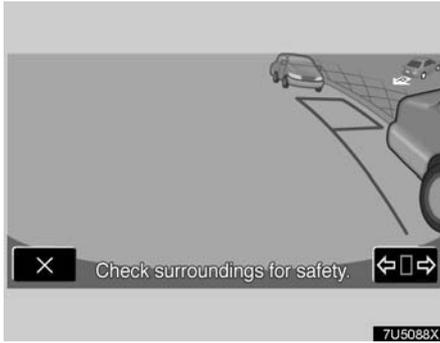
This screen will be displayed when “OK” is touched while the brake hold system is on.

Depress the brake pedal and touch “OK”.



CAUTION

- Always check that there are no obstacles in the green frame or between your vehicle and the parking space, and that the warning flag and extension guide line do not overlap any parked vehicles or walls.
- If there are obstacles in the green frame or between your vehicle and the parking space, or the warning flag or extension guide line overlaps a parked vehicle or wall, there is a danger of collision. In this case, do not use the parallel parking assist mode. The same applies if the green frame overlaps the shoulder.
- If the road surface has level variations or a gradient, it will not be possible to correctly set the location. In this case, do not use the parallel parking assist mode.

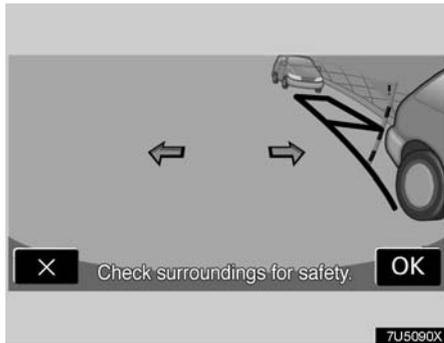


6. Position yourself as you would when backing up normally, and rest your hands on the steering wheel without applying any pressure. Check your surroundings and behind the vehicle for safety, and slowly back up, using the brake pedal to control the vehicle's speed.

If you touch , assistance is cancelled.

If the vehicle's backing up speed is too fast, a warning tone will sound. If you continue to back up at that speed, the system will be disabled. Back up at a speed that does not cause the warning tone to sound.

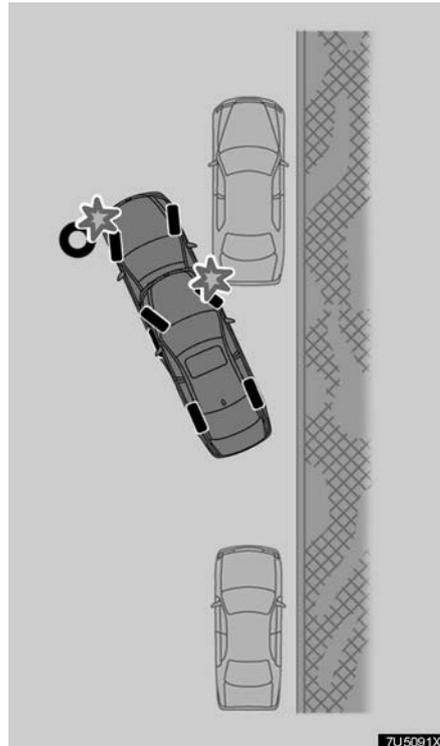
The green frame displayed on the screen is approximately the same size as your vehicle. (The green frame displayed when setting the target parking position is the size of a normal parking space.)



You can change the target parking position by touching . If you are backing up, or have already moved close to the target parking position,  will turn gray, and you will be unable to change the target.

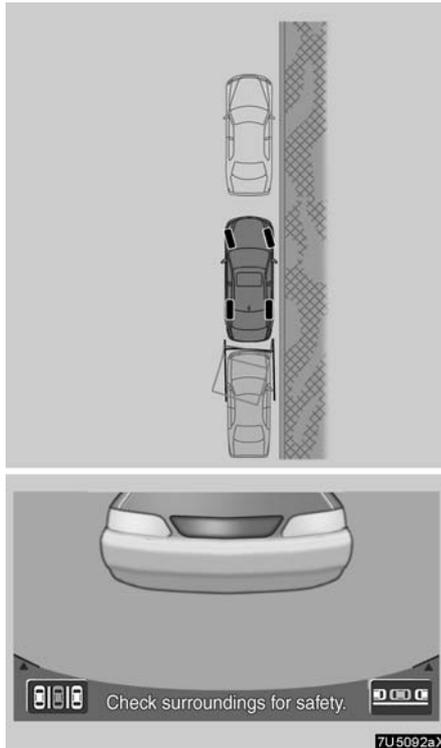
Touch the arrows to move the target parking position, and then touch “OK”.

You can only move the target parking position left or right, and the warning flag will not move even if you adjust the target parking position.



 **CAUTION**

- When backing up, be sure to check your surroundings and behind the vehicle for safety, and back up slowly, depressing the brake pedal to control vehicle speed.
- If a collision seems likely, depress the brake pedal to stop the vehicle, then disable the system by touching  on the screen.



- **Tips for setting the target parking position**

Useful information for setting the target parking position (green frame)

ALIGNING THE GREEN FRAME

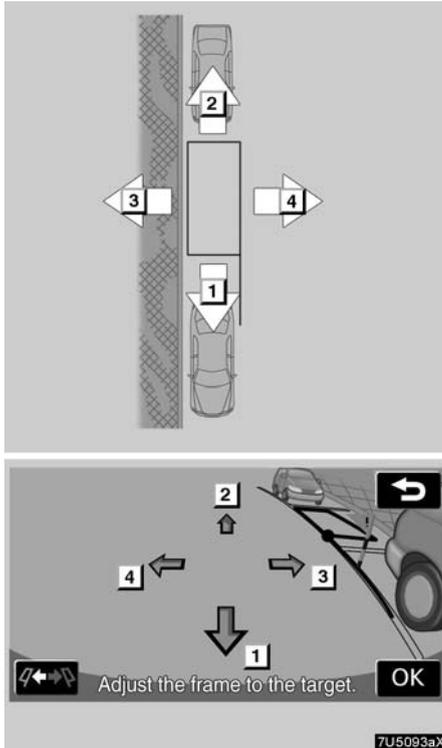
There are two ways to align the green frame with the parking space, either using the arrows on the screen, or by touching the screen at points other than the arrows.

7. Once the vehicle is mostly within the target parking position, voice guidance will give the message “The guidance is finished”, and parallel parking assist mode will finish.

For safety, voice guidance is given slightly before the target parking position. Furthermore, at that point system control will finish, so grip the steering wheel firmly, and finish parking in the desired position, using the brake to control the vehicle’s speed.

Check in front and behind the vehicle visually and check with the mirrors while backing up.

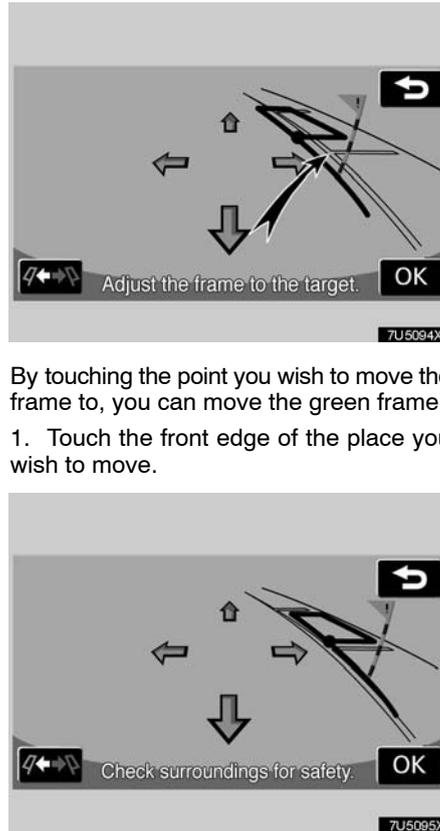
Using the arrows on the screen



By touching the arrows displayed on the screen, you can move the green frame.

Adjusting the left-right alignment first will make subsequent alignment easier.

Directly touching the target point



By touching the point you wish to move the frame to, you can move the green frame.

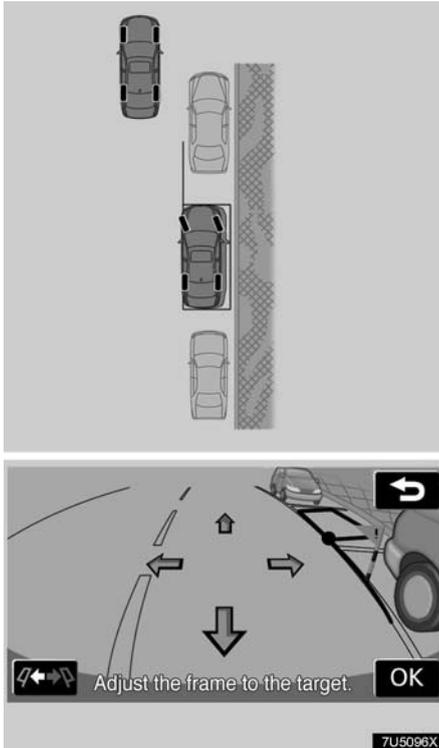
1. Touch the front edge of the place you wish to move.

2. The frame will be moved as shown.

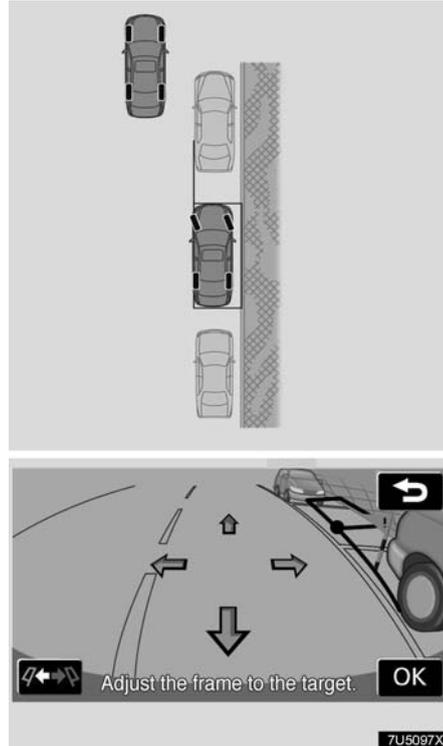
If you touch the following areas, the green frame will not move:

- The area surrounding the arrows.
- The area near the lower touch-screen button on the screen.
- Areas too far away to park in the range of 34.4 ft. (10.5 m) or more behind the current position, and/or 16.4 ft. (5.0 m) or more either left or right from the current position.

IF THERE IS A SLOPE IN THE ROAD



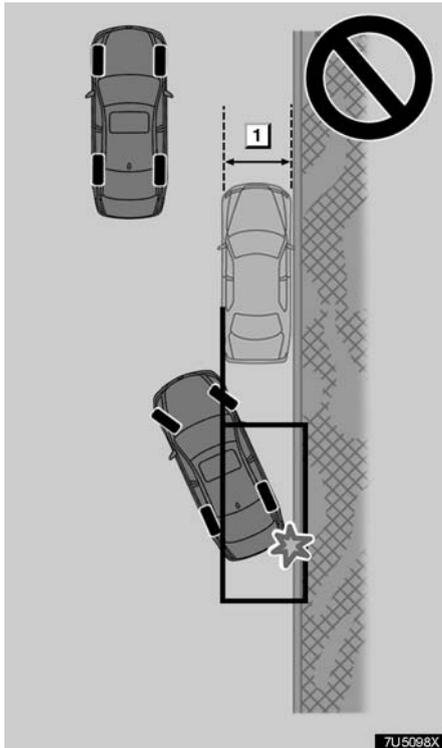
The assisted parking position will be closer to the middle of the road (further from the shoulder) than the set target parking position.



In this case, if you align the warning flag with the rear of the forward parked vehicle, and the green extension guide line with the lower edge of the parked vehicle's rear wheel when setting the target parking position, the left side of your vehicle will be roughly in line with the left side of the front parked vehicle once assisted parking is complete. If you are parallel parking on the opposite side of the road, left and right will be reversed.

— Parking assist mode (Perpendicular parking)

Parking assist mode assists the driver with perpendicular parking by automatically controlling the steering wheel when backing up, in order to park in the target position set on the screen.



► **1** Narrow

CAUTION

If the parked vehicle is narrow, or parked close to the shoulder, the assisted parking position may be quite close to the shoulder. If the vehicle seems likely to hit or mount the shoulder, depress the brake pedal to stop the vehicle, and disable the system by touching .

CAUTION

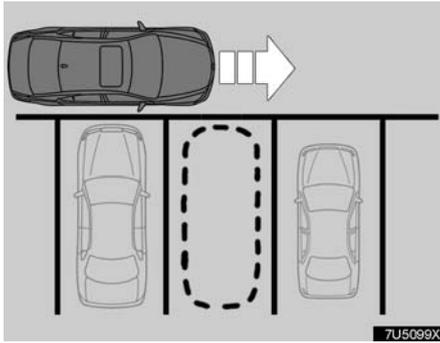
- When backing up, be sure to check your surroundings and behind the vehicle for safety, and back up slowly, depressing the brake pedal to control vehicle speed.
- If you seem likely to hit nearby vehicles, obstacles or people, depress the brake pedal to stop the vehicle, then disable the system by touching  on the screen.

As the system only assists with parking in a set target parking position, there are times when the system will be unable to render this assistance, depending on factors such as road surface or vehicle condition, or the distance to the set target parking position.

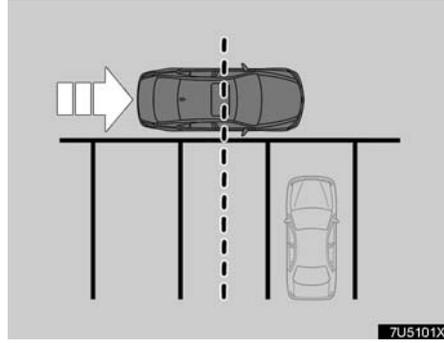
Use the system with full understanding of the fact.

If a message is displayed while maneuvering, follow the procedures outlined in “— What to do when this sort of message is displayed” on page 292.

The illustrations here describe the procedure for pulling into a parking space on the left. For pulling into a parking space on the right, substitute right for left and vice versa in all steps.



1. Move your vehicle slowly to a position perpendicular to the parking space, and as close as possible to the parking space.

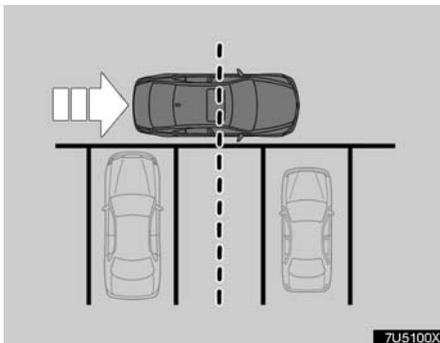


If no vehicle or small vehicles are parked on both sides of the desired parking space, stop with the steering wheel straight.

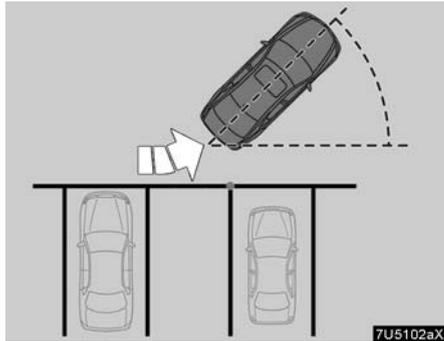
By stopping the vehicle here, you can mostly identify the parking location, making it easier to set the target parking position.

Make sure the steering wheel is straight when you stop. If not, the parking location cannot be identified.

If you do not stop in front of the parking space, the system will refer to the angle of the vehicle relative to the target parking space, and display the target parking position (green or red frame) in the position used last time the parking assist mode was activated.



2. Move your vehicle to a position where you can see the center of the parking space right besides you.



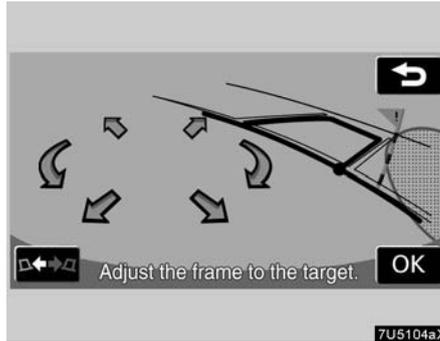
3. Position your vehicle so that you can enter the parking space, then stop the vehicle with the steering wheel straight.

If no vehicle or small vehicles are parked on both sides of the parking space and you do not stop in front of the parking space, position your vehicle with a larger heading angle.

4. Place the selector lever in the “R” position.



5. Touch  on the screen.



6. Use the arrow to align the green frame with the desired parking space, then touch “OK”.

You can also move the green frame by touching the screen (area other than the arrow).

There are tricks to align the green frame.

See “Tips for setting the target parking position” on page 289.

Areas in which you are unable to park are displayed in red.

If the frame is displayed in red, you cannot use the parking assist mode to park in that location. See “When a red frame is displayed in the assist mode” on page 295.

When the green frame is displayed, if you begin backing up without touching “OK”, the message “Parking position has not been set.” appears. If you continue to back up, you will hear a warning tone and the system will be disabled.

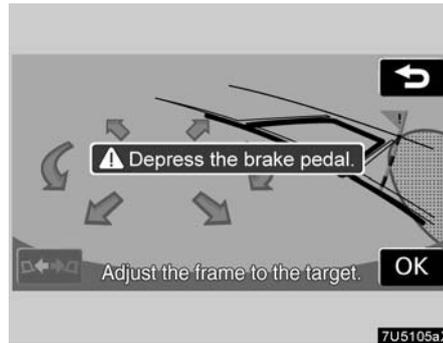
If the frame is red, there will be no guidance even if you begin backing up.

If the orientation of the frame is opposite to that of the target parking space, touch



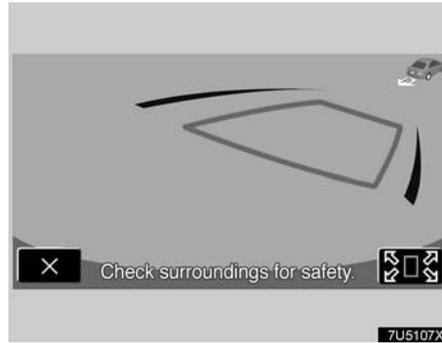
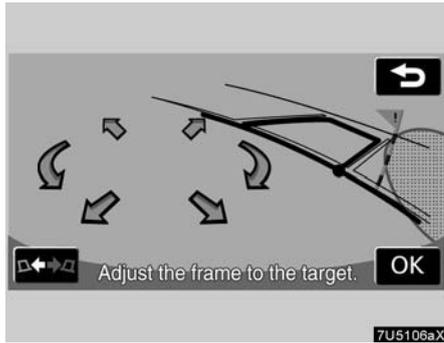
There may be times when, due to image distortion, the green frame does not match the parking space lines on the road surface. In this case, attempt an approximate match in an area where the warning flag does not overlap with any parked vehicles or obstacles.

You may adjust the target parking position even after starting the parking assist mode.



This screen will be displayed when “OK” is touched while the brake hold system is on.

Depress the brake pedal and touch “OK”.

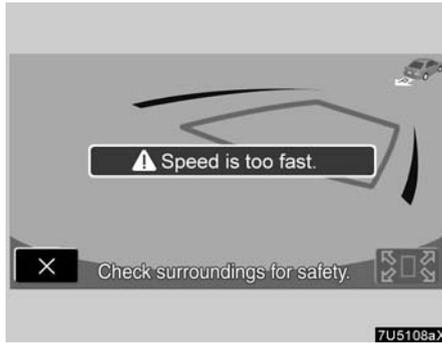


CAUTION

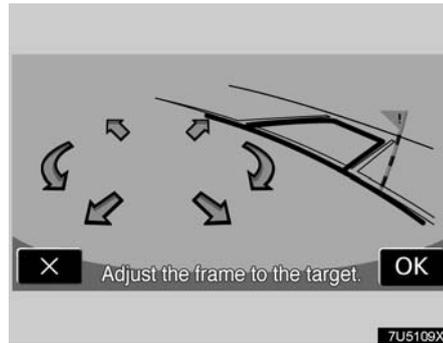
- Always check that there are no obstacles in the green frame or between your vehicle and the parking space, and that the warning flag does not overlap any parked vehicles or walls.
- If there are obstacles in the green frame or between your vehicle and the parking space, or the warning flag overlaps a parked vehicle or wall, there is a danger of collision. In this case, do not use the parking assist mode.
- If the road surface has level variations or a gradient, it will not be possible to correctly set the location. In this case, do not use the parking assist mode.
- If the red area which denotes an area unsuitable for parking overlaps with the lines of the parking space, you will be unable to park, as the parking space is judged as being an area unsuitable for parking. Progress to a position where the parking space lines do not overlap with such an area.

7. Position yourself as you would when backing up normally, and rest your hands on the steering wheel without applying any pressure. Check your surroundings and behind the vehicle for safety, and slowly back up, using the brake pedal to control the vehicle's speed.

If you touch , assistance is cancelled.



If the vehicle's backing up speed is too fast, a warning tone will sound. If you continue to back up at that speed, the system will be disabled. Back up at a speed that does not cause the warning tone to sound. The green frame displayed on the screen is approximately the same size as your vehicle. (The green frame displayed when setting the target parking position is the size of a normal parking space.)



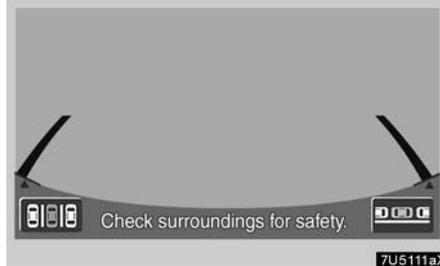
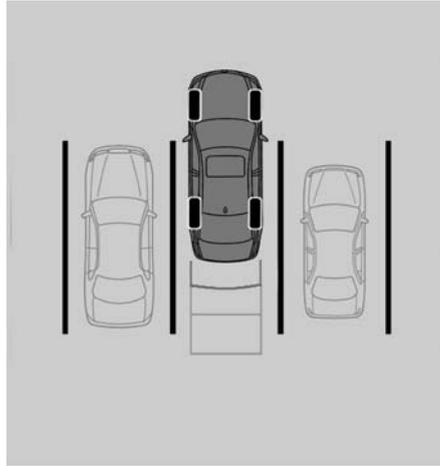
You can change the target parking position by touching . If you are backing up, or have already moved to close to the target parking position,  will turn gray, and you will be unable to change the target. Touch the arrows to move the target parking position, and then touch "OK".



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CAUTION

- When backing up, be sure to check your surroundings and behind the vehicle for safety, and back up slowly, depressing the brake pedal to control vehicle speed.
- If you seem likely to hit nearby vehicles, obstacles or people, depress the brake pedal to stop the vehicle, then disable the system by touching  on the screen.



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8. Once the vehicle is mostly within the target parking position, voice guidance will give the message "The guidance is finished" and parking assist mode will finish.

For safety, voice guidance is given slightly before the target parking position. Furthermore, at that point system control will finish, so grip the steering wheel firmly, and finish parking in the desired position, using the brake to control the vehicle's speed.

Check in front and behind the vehicle visually and check with the mirrors while backing up.

- **Tips for setting the target parking position**

Useful information for setting the target parking position (green frame)

THE DISPLAY POSITION OF THE GREEN FRAME

The system decides the initial positioning of the green frame by the position of the vehicle when it stops, and by detecting the white lines of the parking space in the camera image to identify the parking space location.

When the vehicle stops, the parking space location is mostly identified, and the white lines in that location are detected. For this reason, stopping in front of the parking space will make the detection of target parking space's white lines easier.

Successful detection of the parking space's white lines may not be possible, depending on the shape of the line.

In the following circumstances, detection of the parking space lines on the road surface may not be possible:

- The lines are faded or dirty, making them unclear.
- The road surface is of a light color which does not contrast well with the white lines.
- The parking space lines are a color other than white (yellow etc.).
- The area is dark, for example at night or in a covered parking lot.
- During or after rain, when the road surface is wet and reflects light, or puddles have formed.
- The sun is shining directly on the camera, for example early morning or late afternoon.
- The parking space is covered with snow or de-icing agent.
- There are markings or maintenance marks on the road surface.

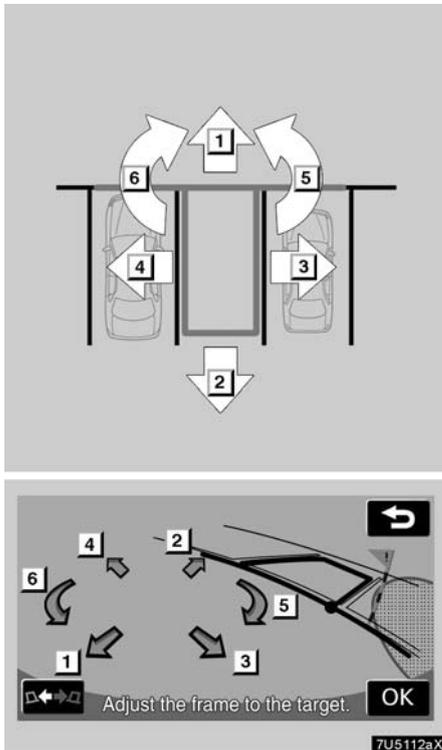
- The color or brightness of the road surface is not uniform.
- Hot or cold water has splashed on the camera, and the lens is fogged.
- There are dirt or water droplets on the lens.

If the point at which you stop is correctly identified, the green frame will display the parking space accurately. If the white lines of the parking space have not been correctly identified, the green frame will not match the parking space even if you stop in the correct location. In this case, adjust the point at which you stop as needed.

ALIGNING THE GREEN FRAME

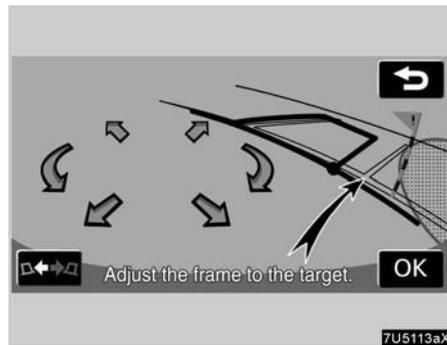
There are two ways to align the green frame with the parking space, either using the arrows on the screen, or by touching the screen at points other than the arrows.

Using the arrows on the screen



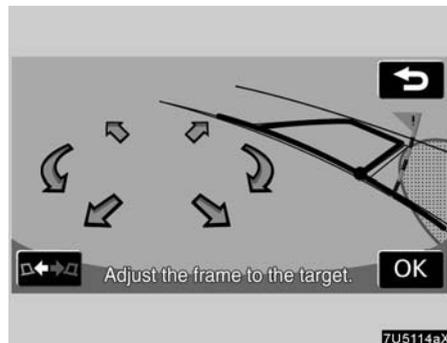
By touching the arrows displayed on the screen, you can move the green frame.

Directly touching the target point



By touching the point you wish to move the frame to, you can move the green frame.

1. Touch the front edge of the place you wish to move.



2. The frame will be moved as shown.

If you touch the following areas, the green frame will not move:

- The area surrounding the arrows.
- The area near the lower touch-screen button on the screen.
- Areas too far away to park in the range of 31.2 ft. (9.5 m) or more behind, and/or either left or right from the current position.

— What to do when this sort of message is displayed

Message	Cause	What to do
! Parking position cannot be set.	Not in an area where system use is possible.	Change the vehicle's position, referring to the help function.
! Check APGS system. Have your vehicle check by a dealer.	There is a malfunction in the system.	Have your vehicle checked by your Lexus dealer.
! Use on flat surface.	<ul style="list-style-type: none"> ● The vehicle has rolled forward on a sloped road. ● The vehicle does not move even if you take your foot off the brake pedal. 	Do not attempt to use the system in those sort of conditions.
! System cannot guide under current conditions.	If the message is displayed only when the system is operating, it is likely that the tires are worn, or tire inflation pressure is low.	Check tires for wear and pressure.
	If the message is displayed constantly, there is most likely a malfunction.	Press the engine switch to "IG-OFF" mode, then restart it. If the message is still displayed, have the vehicle checked by your Lexus dealer.
	The vehicle has skidded or the tires have been locked.	Do not attempt to use the system on a slippery road such as snowy road.
! APGS not available now.	The system has temporarily overheated.	Press the engine switch to "IG-OFF" mode, then restart it. Wait a few moments before use.
! Release parking brake.	The parking brake has been applied.	Release the parking brake.
! Too much force applied to the steering wheel.	You are exerting too much pressure on the steering wheel.	Loosen your grip on the steering wheel.
Steering position is not neutral. Turn the steering wheel to left (or right).	The steering wheel is not straight.	Straighten the steering wheel.

Message	Cause	What to do
Steer to left (or right) until the frame becomes green.	It is possible to begin to park if you turn the steering wheel in the direction indicated.	Turn the steering wheel in the direction indicated until the frame turns green (the message "Too much force applied to the steering wheel" is displayed). Turn the wheel slightly more than necessary to overcome tire resistance. Once you have turned the steering wheel, you can no longer change the target parking position. Be sure to align the frame before turning the steering wheel.
! Parking position has not been set.	You have begun to back up without touching "OK".	Stop the vehicle and touch "OK".
! Speed is too fast.	The speed at which you are backing up is too fast.	Back up at a speed that does not cause the warning chime to sound, using the brake pedal. The system will be disabled if you back up too quickly.
! Guidance cancelled by user operation.	You have turned the steering wheel during the assist mode.	The system has been disabled, so restart from the beginning.
! Accelerator pedal has been depressed.	You have depressed the accelerator pedal during the assist mode.	The system has been disabled, so restart from the beginning.
! Guidance unavailable	Some sort of malfunction has occurred within the system.	Have the vehicle checked by your Lexus dealer.
! System not ready	-	Take your vehicle to your Lexus dealer.
! Depress the brake pedal.	"OK" is touched while the brake pedal system is on.	Depress the brake pedal and touch "OK".
! Check Park Sonar	In extreme cold weather or foreign matter gets on the sensors.	Have the vehicle checked by your Lexus dealer.

Message and voice guidance

In the parallel parking assist mode and parking assist mode, voice guidance accompanies the following messages displayed during parking position setting and steering wheel control. (Voice guidance may not be given depending on the reason the message was displayed.)

Message	Voice Guidance (Warning tone)	
	During setting	During steering wheel control
! Check APGS system. Have your vehicle check by a dealer.	(One chime)	(Two beeps) The assist has been cancelled.
! System cannot guide under current conditions.	–	(One beep) The assist has been cancelled.
! APGS not available now.	(One chime)	(One beep) The assist has been cancelled.
! Release parking brake.	(One chime)	(One beep) The assist has been cancelled.
! Parking position has not been set.	(One chime)	–
! Speed is too fast.	–	(Two beeps and then one beep) The assist has been cancelled.
! Guidance cancelled by user operation.	–	(One beep) The assist has been cancelled.

For the adjustment of the volume, ask your Lexus dealer.

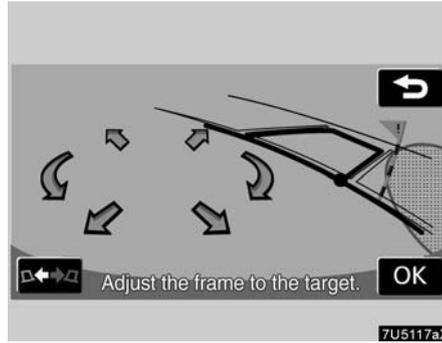
- **When a red frame is displayed in the assist mode**

If the frame turns red and the message "Adjust the frame to the target" is displayed while setting the target parking position, you cannot use the assist mode.

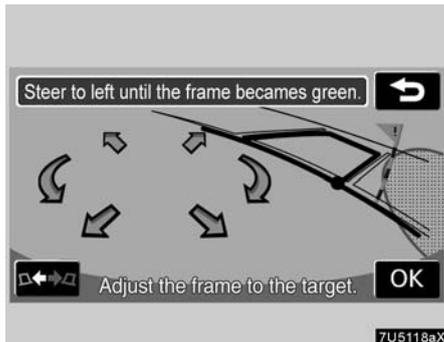
In this situation, move the target parking position, or move the position of the vehicle.

The frame may be displayed in red, depending on the location and angle of the vehicle when "R" is selected.

Furthermore, even if the frame is displayed in green, if you move the frame to a location unsuitable for parking using the assist mode, the frame will change to red.



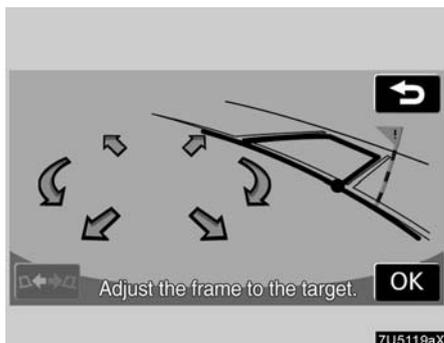
When in the parking assist mode, if the message "Steer to right (of left) until the frame becomes green." is displayed, you may use the assist mode by turning the steering wheel.



1. Align the frame with the target parking position.
2. While stopped, turn the wheel to the left (right) until the frame turns green and "Too much force applied to the steering wheel" is displayed.

Turn the wheel slightly more than necessary to overcome tire resistance.

If you turn the wheel too far, the direction of turn displayed on the screen will reverse.



3. Touch "OK".

Once you have turned the steering wheel, you can no longer change the target parking position. Be sure to align the frame before turning the steering wheel.

HELP FUNCTION

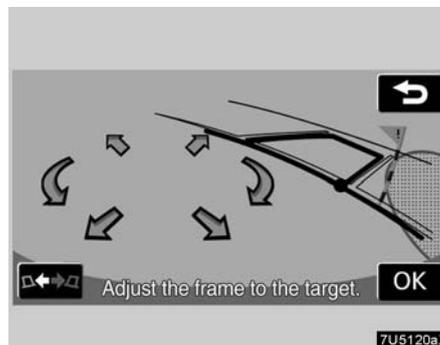
If you touch "OK", the reason the frame is displayed in red will be displayed. Move the vehicle appropriately, referring to the screen.

1. Touch "OK".
2. Move the vehicle in accordance with the message displayed.

See the following items for information on the messages displayed.

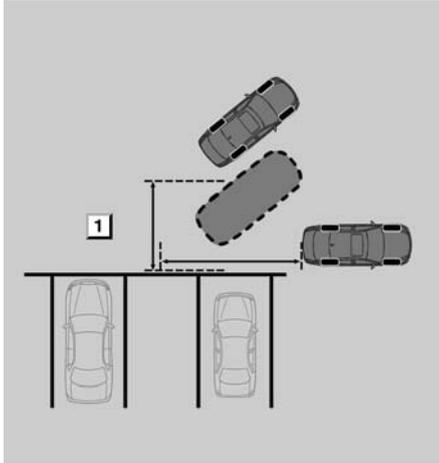
If you move the frame to a position acceptable to the assist mode, a chime will sound.

3. If you have moved the vehicle forwards, place the selector lever in the "R" position.



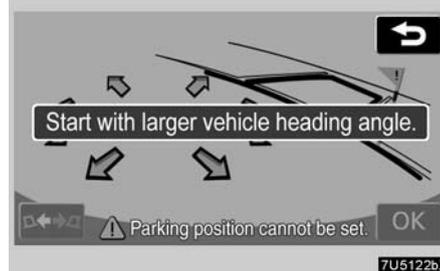
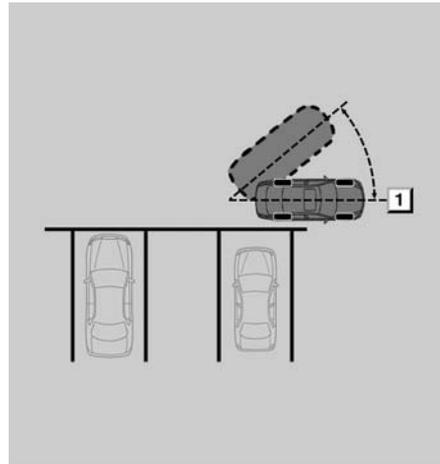
4. Check that the frame is green, and if that position is acceptable, touch "OK".

DISPLAYED MESSAGE AND VEHICLE POSITION FOR PARKING ASSIST MODE



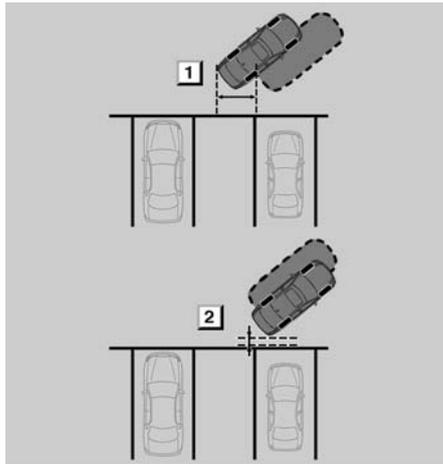
► **1 Too far**

If the vehicle is too far from the parking space



► **1 Angle too small**

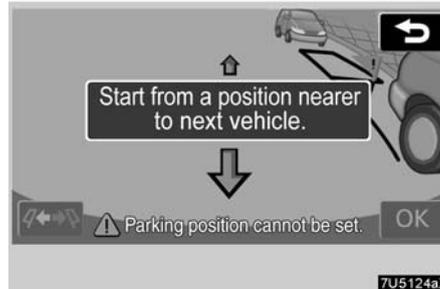
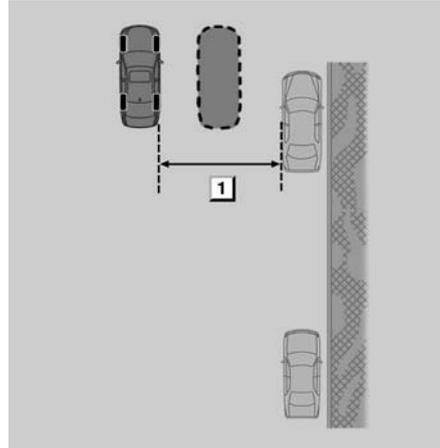
If the orientation of the vehicle is incorrect



- ▶ **1** Near the front of the parking space
- 2** Too close

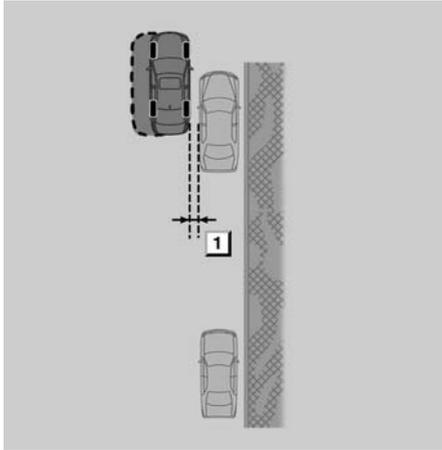
If the vehicle is near the front of the parking space, or too close

DISPLAYED MESSAGE AND VEHICLE POSITION FOR PARALLEL PARKING ASSIST MODE



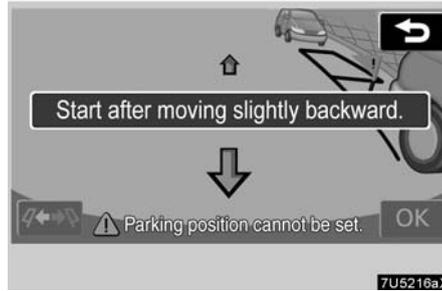
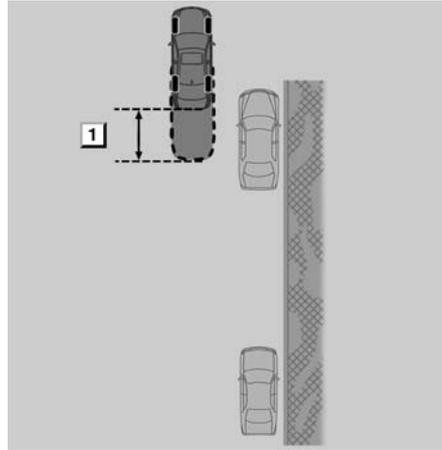
- ▶ **1** Too far

If the vehicle is too far from the parking space



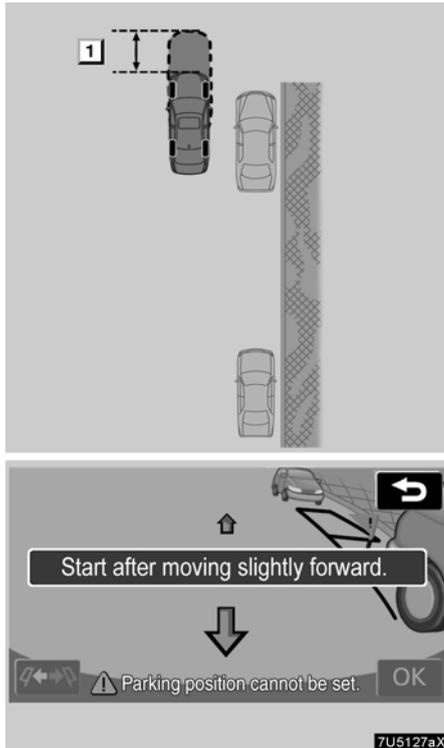
► **1 Too close**

If the vehicle is too close to other parked vehicles



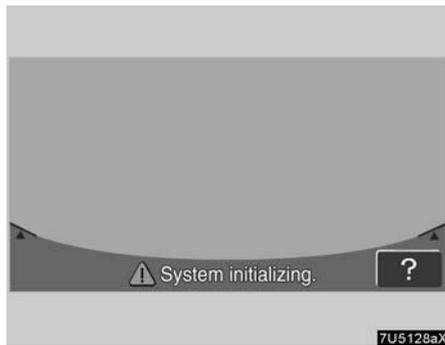
► **1 Too far forward**

If the vehicle is too far forward



▶ **1 Too far back**

— Initializing the system



How to correct

When the battery is disconnected and reconnected or when battery performance deteriorates, etc., the message “System initializing” will be displayed on the screen. The help screen appears when **?** is touched. Make a correction using the following method in accordance with the display.

When the vehicle is stopped, turn the steering wheel all the way to the left, then all the way to the right. (It does not matter in which direction—right or left—you turn first.)

When the screen returns to the original display, correction is complete.

If the above screen remains, have the vehicle inspected at your Lexus dealer.

SECTION VIII

APPENDIX

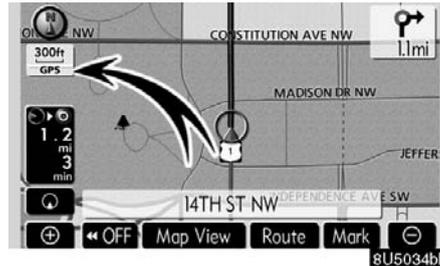
Appendix

- [Limitations of the navigation system](#) 302
- [Map database information and updates](#) 304

Limitations of the navigation system

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

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



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

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

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

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

NOTICE

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

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

- When driving on a small angled Y-shaped road.
- When driving on a winding road.
- When driving on a slippery road such as in sand, gravel, snow, etc.
- When driving on a long straight road.
- When freeway and surface streets run in parallel.
- After moving by ferry or vehicle carrier.
- When a long route is searched during high speed driving.
- When driving without setting the current position calibration correctly.
- After repeating a change of direction by going forward and backward, or turning on a turntable in the parking lot.
- When leaving a covered parking lot or parking garage.
- When a roof carrier is installed.
- When driving with tire chains installed.
- When the tires are worn.
- After replacing a tire or tires.
- When using tires that are smaller or larger than the factory specifications.
- When the tire pressure in any of the four tires is not correct.

INFORMATION

If your vehicle cannot receive GPS signals, you can correct the current position manually. For information on setting the current position calibration, see page 93.

(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.

Map database information and updates

After replacing a tire, implement the operation described in the “TIRE CHANGE CALIBRATION”. (See page 95.)

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.

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.

- To confirm the map data and CDDB versions and map coverage area

1. Push the “MENU” button.



8U5061L

2. Touch “HDD Data”.



8U5062aL

The map data version number and CDDB version number can be checked using this screen. (The version number on the screen shown above may be different from the actual version number.)

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

“**CDDB Update**” (with DVD changer) will be used when updating the CDDB version.

“**Map Data Update**” will be used when updating the map data version.

For details about CDDB and map data updates, contact your Lexus dealer.

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

