SECTION I

BASIC FUNCTIONS

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Initial screen

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

⚠ CAUTION

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

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

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 105.)

Ⓡ 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 92.

Ⓡ **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 97.)

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 95.

Touch screen operation

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

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

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

INFORMATION

Ⓡ ***If the system does not respond to a touch on a touch-screen button, move the finger away from the screen and then touch it again.***

Ⓡ ***Dimmed touch-screen buttons cannot be operated.***

Ⓡ ***Wipe off fingerprints using a glass cleaning cloth. Do not use chemical cleaners to clean the touch screen.***

Ⓡ ***The displayed image may become darker and moving images may be slightly distorted when the display is cold.***

Ⓡ ***Under extremely cold conditions, the map may not be displayed and the data input by a user may be deleted. Also, the touch-screen buttons may be harder than usual to depress.***

Ⓡ ***When you look at the screen through polarized material such as polarized sunglasses, the screen may be dark and hard to see. If so, change the angle of the screen or take off your sunglasses.***

Inputting letters and numbers/List screen operation

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

INFORMATION
Keyboard layout can be changed. (See page 83.)

Ⓡ **To input letters**

To display the alphabet keys, touch **"A-Z"** or **"Å-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.

Ⓡ 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.***

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Ⓡ List screen operation

When a list is displayed, use the appropriate button to scroll through the list.

To shift to the next or previous page.

To scroll up or down one item at a time.

This expresses a displayed screen position.

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

Touch to scroll to the beginning of the name.

Ⓡ Sorting

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

TYPE A

1. **Touch “Sort by”.**

2. Select the desired sorting criteria.

Sorting criteria are as follows:

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

"Date": To sort in the order of the date.

"Category": To sort in the order of the category.

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

"Name": To sort in order by name.

"Attribute": To sort in order by attribute.

TYPE B

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

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

Function help

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

Touch ?.

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: 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 88.***

— Screen scroll operation (one-touch scroll)

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

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

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

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

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

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

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

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

Touch "Enter ⊙".

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

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Ⓡ 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 72.

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 71.)

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 57.)

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 72.)

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 14.)

: 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 47.)

: 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.

I

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 by touching any specific point on the right side map.

This screen can perform the following procedures:

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

Touch "OK" when you complete editing.

The screen returns to the dual map screen.

COMPASS MODE

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

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

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

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

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

— Map scale

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

Touch ⊕ or ⊖ until the scale bar changes normally. By continuing to touch the button, the scale bar changes smoothly.

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 ⊖.

I

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.

I

SECTION II

DESTINATION SEARCH

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Destination search by “Map” 37
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Destination search by “Phone #” 40
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Quick reference (“Destination” screen)

1 “Address”

A house number and the street address can be input by using the input keys.
. 24

2 “POI Name”

Select one of the many POIs (Points of Interest) that have already been stored in the system’s database. 29

3 “POI Category”

A destination can be selected from the POI category. 32

4 “Previous”

A destination can be selected from any of the last 100 previously set destinations and from the previous starting point.
. 36

5 “Memory”

The location can be selected from the registered “Memory points”. (To register memory points, see “ — Registering memory points” on page 71.) 36

6 “Emergency”

One of the four categories of emergency service points that are already stored in the system’s database can be selected.
. 35

7 "Map"

A destination can be selected simply by touching the location on the displayed map. 37

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

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 "Change"

To change the search area, touch this button. 22

12 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 72.) 24

13 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 76.) 24

14 "Phone #"

A destination can be entered by the telephone number. 40

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 13 different methods to search your destination. (See pages 24 through 40.)

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

II

— Selecting the search area

SELECTING THE SEARCH AREA ON THE DESTINATION SCREEN

1. Touch "Change" on the "Destination" screen to display a map of the United States and Canada divided into 11 areas. (For map database information and updates, see "Map database information and updates" on page 110.)

2. Touch one of "US1" through "CAN" to select a search area.

3. Touch "OK" and the "Destination" screen returns.

SELECTING THE SEARCH AREA ON THE INPUT SCREEN

Change the search area in order to set a destination from a different area by using "Address", "POI Name", "Freeway Ent./Exit" or "Intersection".

1. Touch the search area button like "US8" on the input screen to display a map of the United States and Canada divided into 11 areas. (For map database information and updates, see "Map database information and updates" on page 110.)

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

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

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

Canada	
Button	Provinces and regions included in the search area
“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.)

To use this function, it is necessary to set "Home" for the memory point. (To register "Home", see page 76.)

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.)

To use this function, it is necessary to set "Quick Access" for each memory point. (To register "Quick Access", see page 73.)

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.

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.

II

4. Select or enter the desired city.

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

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

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

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

(b) Selecting a city to search

Touch "City".

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

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

INFORMATION
▶ ***To change the search area, touch "Search Area".***
▶ ***To cancel the city setting, touch "Any City".***

INPUTTING THE CITY NAME

1. Touch "Input City Name".

2. Input a city name.

II

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 25.)

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 25.)

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 25.)

— Destination search by “POI Name”

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

2. Input the name of the Point of Interest.

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.)

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

Touch the button of the desired destination.

If the same name exists in more than one city, a search can be performed more easily with **“City”** and **“Category”**. (See “(a) Selecting a city to search” on page 30 and “(b) Selecting from the categories” on page 31.)

INFORMATION
The desired Point of Interest can be displayed on the map screen. (See “ — Display POI icons” on page 57.)

II

(a) 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 search area, touch "Search Area".***
▶ ***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.

(b) 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.

II

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

— Destination search by "POI Category"

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

Touch "POI Category" on the "Destination" screen.

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.

II

SETTING THE SEARCH POINT FROM DESTINATIONS

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

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

2. Touch “Enter”.

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

▶ To search POIs near the search point

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

Select the desired POI categories.

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

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

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

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

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

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

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

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

II

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 109.)

— 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 70.)

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.)

INFORMATION

The list of previous destinations can be deleted when the vehicle is stopped. (See " — Deleting previous points" on page 80.)

— Destination search by "Map"

Touch "Map" on the second page of the "Destination" screen.

The screen changes and displays the map location that was previously displayed just before the destination input operation and the route preference. (See "Starting route guidance" on page 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.

II

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-1 18).

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.)

II

— Destination search by "Phone #"

1. Touch "Phone #" on the second page of 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 75.)***

Starting route guidance

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

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

Releasing the finger from the arrow will stop the scrolling.

2. Touch “Enter”.

The system starts route search and displays recommended routes.

If there is already a set destination, **“Add to ⦿”** and **“Replace ⦿”** are displayed.

“Add to ⦿”: To add a destination.

“Replace ⦿”: To delete the existing destinations and set a new one.

“Route Preference”: To change the route preference. (See page 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 43.)

“Route”: To change the route. (See pages 51 and 54.)

INFORMATION

- ***Guidance can be suspended or resumed. (See “Suspending and resuming guidance” on page 66.)***
- ***If “Guide” is touched until a beep sounds, demo mode will start. Push the “MAP/VOICE” button to finish Demo mode.***
- ***The route for returning may not be the same as that for going.***
- ***The route guidance to the destination may not be the shortest route nor a route without traffic congestion.***
- ***Route guidance may not be available if there is no road data for the specified location.***
- ***When setting the destination on a map with a scale larger than 0.5 miles (800 m), the map scale changes to 0.5 miles (800 m) automatically. Set the destination again.***
- ***If a destination is entered, the road nearest to the point you selected is set as the destination.***

II

⚠ 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.

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

II

SECTION III

ROUTE GUIDANCE

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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.

III

▶ Other screens

TURN LIST SCREEN

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

Touching [icon] 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 [icon] during guidance displays the arrow screen.

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

Typical voice guidance prompts

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

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

INFORMATION

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

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

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

3 ♪ "The 3rd exit ahead."

4 ♪ "The exit ahead."

5 ♪♪ (Beep sound only)

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

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

2 ♪ "Make a legal U-turn ahead."

3 ♪♪ (Beep sound only)

III

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 67.***

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 82.) 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”.

III

3. Input an additional destination in the same way as the destination search. (See “Destination search” on page 21.)

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

— Reordering destinations

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

1. Touch “Route”.

2. Touch “Reorder”.

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

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

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

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

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

— Deleting destinations

A set destination can be deleted.

1. Touch “Route”.

2. Touch “Delete”.

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

3. Touch the destination for deletion.

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

A message appears to confirm the request to delete.

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

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

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

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

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

Setting route —
— Search condition

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

1. **Touch “Route”.**

2. **Touch “Search Condition”.**

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

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

“Guide”: To start guidance.

“Route”: To change a route. (See pages 51 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.

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.

III

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 85.)

▶ 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 58.)

III

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

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

Select the desired POI categories.

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

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

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

Select the desired POI categories from the list.

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

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

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

▶ To display the local POI list

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

1. Touch “Local POI List” on the “Display POI icons” screen.

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

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

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

▶ To set a POI as a destination

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

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

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

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

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

— Route overview

1. Touch "Map View".

2. Touch "Route Overview".

III

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

"Guide": To start guidance.

"Route": To change the route. (See pages 51 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.

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”.

III

"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

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Quick reference (“Menu” screen)

1 “Suspend Guidance” and “Resume Guidance”

Suspends or resumes guidance. 66

2 “Volume”

Sets the volume for voice guidance. 67

3 “?”

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

4 “Map DVD”

Displays information regarding the disc version or covered area. 110

5 “Select User”

Up to 3 different settings for different users can be memorized. 68

6 “Setup”

Enables various settings for the navigation system. 65, 81

7 “My Places”

Enables changes to “Memory points”, “Home” and “Areas to avoid”. Enables deletion of the previous point. 70

Quick reference (“Setup” screen)

1 “Distance”

The distance units **“km”** or **“miles”** can be selected. 82

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. 82

3 “Keyboard Layout”

Key layout can be changed. 83

4 “Time Zone”

The desired time zone can be selected. 84

5 “ Function”

The choice whether to display each touch-screen button and current street name on the map screen can be set. 84

6 “Display POI Icons”

A selection of 6 icons displayed on the “Display POI Icons” top screen is possible. 85

7 “Display Building Shapes”

Selection of either ON or OFF to display the building shape on the map screen is possible. 86

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8 **“Traffic Restrict. Notification”**

Notification of seasonal restrictions can be selected. 86

9 **“Voice Recognition Guidance”**

Voice recognition guidance can be set. 86

10 **“Voice Guidance in All Modes”**

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11 **“Auto Voice Guidance”**

Automatic voice guidance can be set. 87

12 **“Pop-up Message”**

Selection of either ON or OFF to display the pop-up message is possible. 87

13 **“Calibration”**

Adjustment of the current vehicle position mark can be done manually. 88

14 **“Default”**

This touch-screen button initializes all of the settings. 81

15 **“?”**

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.**

2. **Touch “Resume Guidance”.**

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

Volume

The voice guidance volume can be adjusted or switched off.

1. **Push the “MENU” button.**

2. **Touch “Volume”.**

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

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

When selected the number or **“OFF”** will be highlighted.

3. **Touch “OK” to confirm your selection.**

IV

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.

IV

Ⓡ **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 24, “ — Destination search by Quick access” on page 24 and “ — Designation search by Memory” on page 36.)

Registered areas are avoided at the time of route search.

1. Push the “MENU” button.

2. Touch “My Places”.

On this screen, the following operations can be performed.

1 **Registers memory points**
(See “ — Registering memory points” on page 71.)

2 **Edits memory points**
(See “ — Editing memory points” on page 72.)

3 **Deletes memory points**
(See “ — Deleting memory points” on page 76.)

4 **Registers or deletes home**
(See “ — Registering home” on page 76 or “ — Deleting home” on page 77.)

5 **Registers areas to avoid**
(See “ — Registering area to avoid” on page 77.)

6 **Edits areas to avoid**
(See “ — Editing area to avoid” on page 78.)

7 **Deletes areas to avoid**
(See " — Deleting area to avoid" on page 80.)

8 **Deletes previous points**
(See " — Deleting previous points" on page 80.)

9 **Number of remaining memory points**

10 **Number of remaining areas to avoid**

— Registering memory points

1. Touch "Register".

2. Enter the location in the same way as for a destination search. (See "Destination search" on page 21.)

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 72.

INFORMATION
Up to 106 memory points can be registered.

IV

— 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 72.)

"Quick Access": To set an attribute. Memory points with a set attribute can be used as a "Quick access" or "Home" button. (See page 73.)

"Name": To edit memory point names. The names can be displayed on the map. (See page 74.)

"Location": To edit location information. (See page 75.)

"Phone #": To edit telephone numbers. (See page 75.)

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 24 and “ — Destination search by Quick access” on page 24.)

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

2. Touch the desired attribute.

IV

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.

IV

— 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 24.)

1. **Touch “Register”.**

2. **Enter the location in the same way as for a destination search.** (See “Destination search” on page 21.)

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 72.

— 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 21.)

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”.**

IV

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 79.)

"Location": To edit area location. (See page 79.)

"Area Size": To edit area size. (See page 80.)

"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.

IV

Ⓡ **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 65.)

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”.

IV

Ⓡ Distance unit

Distance unit can be changed.

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

2. Touch “km” or “miles” of “Distance” 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 105.

Ⓡ 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".

IV

Ⓡ **Time zone**

Time zone can be changed.

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

2. Touch “Change” of “Time Zone”.

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

3. Touch the desired time zone.

The selected button is highlighted.

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

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

4. Touch “OK”.

Ⓡ **Screen layout function (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 “ 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.

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

IV

Ⓡ 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 notifies you of 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 twice to display page 3 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 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 108.

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.

IV

SECTION V

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 92.

“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 93.)

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 "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 21.)

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

V

3. Touch the button to be edited.

"Dealer": To enter the name of a dealer. (See page 94.)

"Contact": To enter the name of a dealer member. (See page 94.)

"Location": To set a location. (See page 94.)

"Phone #": To set a telephone number. (See page 95.)

"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 98.)

Touching a date button on the “Calendar” screen displays the “Memo” screen.

V

Memos can be edited by touching the list button. (See " — Editing a memo" on page 97.)

"Add Memo": To add a memo. (See " — Adding a memo" on page 96.)

"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 21.)

— 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 96.)

"Location": To change a registered location. (See " — Adding a memo" on page 96.)

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

"Delete": To delete the memo.

V

— 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 98.)

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.

Speech command system

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

1. Push the speech command 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 101.) When you touch "Cancel", the previous screen returns.

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

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

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

▶ **Microphone**

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

V

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

1. Push the speech command 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 ⊙" or "Replace ⊙" is displayed on the screen.)

Touch or say *"Cancel"*, and the search will be canceled.

When you search the destination by "POI Name", this screen is displayed.

Touch **"Enter"** or say *"Enter destination"*.

When you touch **"Show List"**, you can search another spot in its category.

INFORMATION

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

- ***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 "DISPLAY" 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".

V

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.

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 "Green" or "Orange" and then touch "OK".

(c) Delete personal data

The following personal data can be deleted or returned to their default settings:

- **Maintenance conditions**
- **Maintenance information "off" setting**
- **Memory points**
- **Areas to avoid**
- **Previous points**
- **Route trace**
- **User selection settings**
- **Phone book data**
- **Dialed numbers and received calls**
- **Speed dial**
- **Bluetooth phone data**
- **Security code**

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

V

1. **Touch “Delete personal data”.**

The “Delete personal data” screen appears.

2. **Touch “Delete”.**

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

3. **Touch “Yes”.**

Beep setting

You can set a beep sound off.

1. **Push the “INFO” button.**

2. **Touch “Beep Off”.**

“Beep Off” is highlighted.

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

Selecting a language

The language of the touch-screen buttons, pop-up messages and the voice guidance can be changed.

1. Push the “INFO” button.

2. Touch “Language”.

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

If a screen other than for the navigation system is displayed, the current screen would change to the “CAUTION” screen by pushing the **“MAP/VOICE”**, **“DEST”** or **“MENU”** button.

4. Touch “I Agree”.

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

V

SECTION VI

APPENDIX

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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 motorway and surface streets run in parallel.
- After moving by ferry or vehicle carrier.
- When a long route is searched during high speed driving.
- When driving without setting the current position calibration correctly.
- After repeating a change of direction by going forward and backward, or turning on a turntable in the parking lot.
- When leaving a covered parking lot or parking garage.
- When a roof carrier is installed.
- When driving with tire chains installed.
- When the tires are worn.
- After replacing a tire or tires.
- When using tires that are smaller or larger than the factory specifications.
- When the tire pressure in any of the four tires is not correct.

INFORMATION

If your vehicle cannot receive GPS signals, you can correct the current position manually. For information on setting the current position calibration, see page 88.

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

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

- When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time or season or other reasons.
- The road and map data stored in your navigation system may not be complete or may not be the latest version.

After replacing a tire, implement the operation described in the "TIRE CHANGE CALIBRATION". (See page 89.)

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

Map database information and updates —

This system uses the maps of DENSO.

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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 dealer for information about the availability and pricing of an update.

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

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

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

2. **Touch "Map DVD".**

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

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

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