This supplement contains a detailed description of the Navigation System and instructions for proper operation. Please read this supplement carefully before using your navigation system. Please keep this supplement with your Owner's Manual and leave it in the vehicle at the time of resale. The next owner will need the information it contains.

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Safety Warnings

You will find a number of WARNINGs, CAUTIONs and NOTEs in this supplement.

These safety warnings alert you to potential hazards that could result in injury to you or others.

Please read these safety warnings as well as all other portions of this supplement carefully in order to gain a better understanding of how to use your Navigation system safely.

⚠ WARNING

A WARNING indicates a situation in which serious injury or death could result if the warning is ignored.

⚠ CAUTION

A CAUTION indicates a situation in which injury or damage to your vehicle including Navigation system, or both, could result if the caution is ignored.

NOTE

A NOTE gives informaton or suggestions how to make better use of your Navigation system.

⚠ WARNING

READ THIS MANUAL FIRST

Read this supplement carefully before using your navigation system. We are not liable for accidents or other problems resulting from failure to follow the instructions in this supplement.

OBEY LOCAL ROAD SIGNS AND REGULATIONS

Always obey local road signs and regulations while following instructions given by the navigation system. Some of the data on the DVD-ROM disc may be outdated due to changes in local road signs and regulations. Furthermore, the data on the DVD-ROM disc does not take into account variable factors such as the weather, road congestion at different times of the day, temporary road closures due to road construction, and special events. Local road signs and regulations always take precedence over directions given by the system.

Failure to obey them could place you in physical danger or in violation of the law.

DRIVE SAFELY

- **Before following an instruction (for example, in the case of changing direction) given by the system, check that the action would be safe to take in the current traffic conditions. Continue to pay attention to safety while following any instruction.**
- **Do not be distracted by the navigation screen. Failure to keep your attention on the road could lead to an accident. When you need to look at the screen while driving, do so for the shortest time possible and avoid staring at the screen.**
- **You must stop the vehicle in a safe place before operating the navigation system. For safety's sake, some of the navigation system's controls and functions cannot be used unless the vehicle is stationary.**
- **Use this system only in locations where it is legal to do so. Some states/provinces may have laws prohibiting video screens within sight of the driver.**

VOLUME LEVEL

Keep the system's volume level low enough for you to be able to hear outside sounds while driving. To do otherwise may prevent you from reacting appropriately to traffic conditions and could result in an accident.

⚠ CAUTION

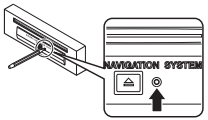
FOREIGN OBJECTS

Do not allow foreign objects to enter the disc insertion slot, including your fingers.

Foreign objects inside the system's main unit could cause an electric shock or a fire. If the main unit emits smoke or an unusual smell, stop using the system immediately and you contact the nearest SUBARU dealer.

STOP OPERATION IN THE EVENT OF A PROBLEM

In the event of a problem such as the absence of sound or video, try pressing the reset button. Should the problem persist, stop using the system and you contact the nearest SUBARU dealer.



(The reset button is also used when you need to upgrade the program. Insert an upgrade disc and press the reset button.)

NEVER DISASSEMBLE OR MODIFY THE SYSTEM

Any attempt to disassemble or modify any part of the system could lead to an electric shock or a fire, or some other type of accident.

⚠ CAUTION

The displays contain mercury. Therefore, the displays must be removed before vehicle disposal. Once the displays have been removed, please reuse, recycle or dispose of them as hazardous waste.

■ Points to note before use

Starting the engine before using the system

The navigation system can be used with the ignition key in either the ON position or the ACC position. To preserve the battery, however, it should be used with the engine running whenever possible. Using the system for a long time with the engine off can cause the battery to run down.

Delay before display of current position

The system will not immediately display a correct indication of your vehicle's current position after being switched on for the first time or after the battery has been disconnected for a long time. It will display a correct current position indication as soon as it receives Global Positioning System (GPS) signals.

Program reloading after battery disconnection

The navigation program will be erased from the system's memory if the battery is disconnected. If this happens, load the provided DVD-ROM disc in the system's main unit and turn the ignition switch to the ON or ACC position. The system will automatically reload the program and start operating normally again.

Incorrect operation on rough roads

The system may operate incorrectly or be unable to read the data on the DVD-ROM disc when subjected to severe vibration caused by driving on rough roads.

Handling the GPS antenna

Do not paint the antenna. Doing so could impair or prevent signal reception.

Disabled switches

Some switches are disabled during operation of the system. These switches are displayed in fainter colors and no messages are displayed for them.

Risk of damage to the main unit

Be mindful of the occupant compartment temperature. Using the system when the occupant compartment temperature is extremely high or low can damage it or cause it to malfunction. Also, note that the system's main unit can be damaged by strong vibration and by any metallic object or water that gets inside.

Condensation

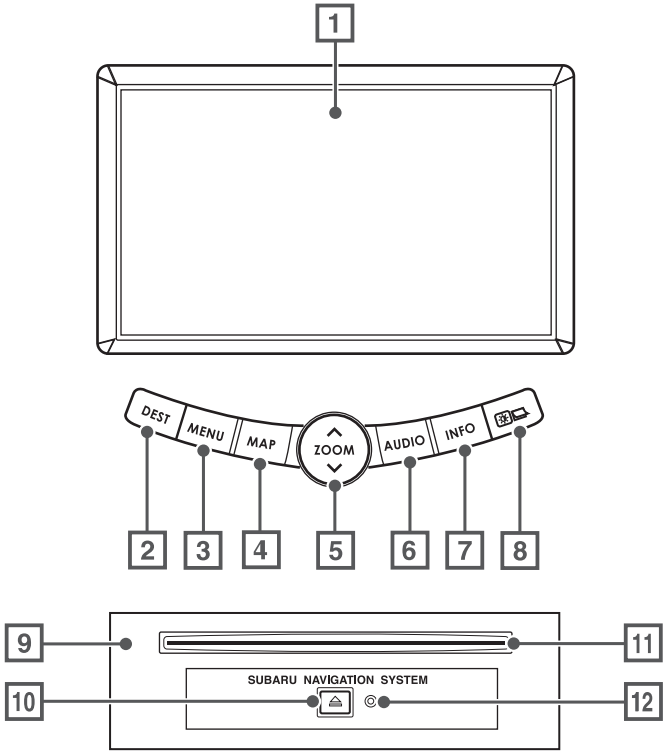
Condensation can form on the lens inside the main unit when there is a rapid change in occupant compartment temperature (for example, when the heater is switched on in cold weather). Such condensation can cause the system to operate abnormally. If you wait an hour or so for the condensation to disappear, the system should start working normally again. If normal operation is still not restored after several hours, we recommend that you contact the nearest SUBARU dealer.

Replacing the DVD-ROM disc

If you need to replace the DVD-ROM disc, make sure the replacement disc is compatible with your system's main unit. Inserting an incompatible disc could damage the unit.

■ Handling precautions for DVD-ROM discs

- Handle DVD-ROM discs carefully. Any DVD-ROM disc with excessive warping or scratches on its surface can cause reading errors.
- Store DVD-ROM discs away from direct sunlight, which can cause warping and render them unusable.
- DVD-ROM discs rotate at high speeds inside the system's main unit. Never use a cracked or badly warped disc; doing so could damage the unit.
- To clean a DVD-ROM disc, lightly wipe it with a soft cloth in straight lines from the center hole toward the outer edge.
- Never clean DVD-ROM discs with benzene, thinner, record spray, antistatic spray, or chemical swabs.
- Do not touch the DVD-ROM disc's data surface (the surface without a printed label). A dirty data surface can cause reading errors. Always hold a DVD-ROM disc by the center hole and at one point on the outer edge, or by two points on the outer edge.
- Do not write anything on DVD-ROM discs or affix anything, such as stickers, to them.



1 Monitor

2 DEST
This button is used to display the destination entry screen of the navigation system.

3 MENU
This button is used to display the menu screen of the navigation system.

4 MAP
This button is used to switch to the navigation system's current map screen from any other screen.

5 ZOOM
This button is used to zoom out or zoom in the map displayed on the screen.

6 AUDIO
This button is used to display the Audio or RSE (Rear Seat Entertainment) screen.

7 INFO
This button is used to display the vehicle information screen. Refer to the Owner's Manual Supplement for Monitor System for further details.

8 

This button is used to adjust the brightness and contrast of the screen image as well as to display a calendar. Refer to the Owner's Manual Supplement for Monitor System for further details.

9 Navigation system main unit

10 Eject button

Depressing this button ejects the DVD-ROM disc.

11 Disc insertion slot

Load a DVD-ROM disc into the system's main unit through this slot. Inserting an edge of the disc in the slot causes it to be drawn in automatically.

12 Reset button

You can use this button in the event of a problem. It is also used when you need to upgrade the program.

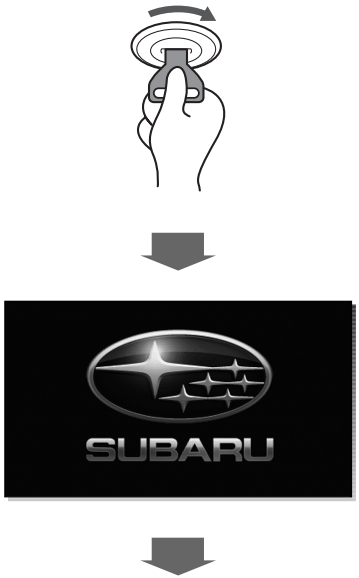
NOTE

- The navigation system main unit is located under the driver's seat.
- Before you load a DVD-ROM disc for the first time, press the reset button for more than one second. Use the tip of a pen or similar item for this purpose.
- If a malfunction occurs during operation, try pressing the reset button. The system may recover from the problem.

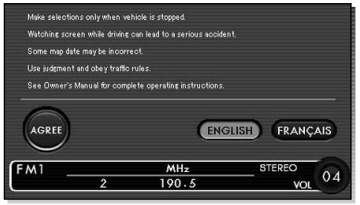
Starting Up the Navigation System

Use the following procedure to start up the navigation system and display the current map screen.

1

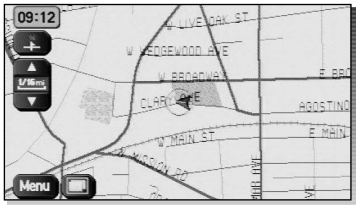


Start the engine.
The CAUTION screen will appear, followed by the opening screen.



Carefully read the instructions on the CAUTION screen (cited below), then select AGREE.

CAUTION
Make selections only when vehicle is stopped.
Watching screen while driving can lead to a serious accident.
Some map date may be incorrect.
Use judgment and obey traffic rules.
See Owner's Manual for complete operating instructions.



The current map screen will appear.

NOTE

- To make a selection, touch the desired key displayed on the screen.
- The CAUTION screen remains on the display unless you select AGREE.
- When you use the navigation system for the first time, Greenwich Mean Time will be displayed. Adjust the system's clock to the right time using the clock setting screen ("SET CLOCK") as described on Page 82.

Volume

Use this function if you want to change the voice guidance volume setting from the default setting.

1 

Press the MENU button or select Menu on the current map screen.

2 

Select Volume (Volume).

3 

Select the desired key from between 1 (minimum) and 7 (maximum).

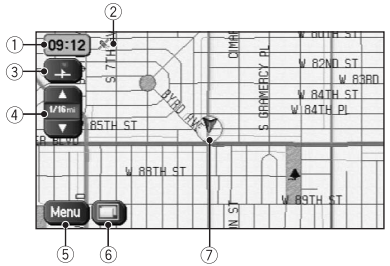
Off **(off):** Select this key to mute the sound.

Markers and Controls Displayed on Maps

Screens During Route Setting

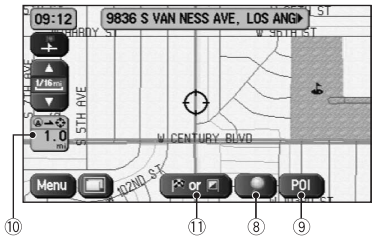
Touch a point on the map. A crosshair (scroll mark) will appear on the screen. Then touch a desired point on the map. The map will scroll with the selected point at the center.

<Current Position screen>



Press MAP button to return to the current map screen.

Scroll the map



<Scroll screen>

① **Time**
Indicates the current time.

② **GPS marker**
Shows the status of the signal from GPS satellites. When this marker appears, your navigation system is receiving GPS signals and using them to calculate the position of your vehicle.

③ **Map orientation control**
Used to select either a "north up" display or "heading up" display of the map. (See Page 18.)

④ **Zoom-out/zoom-in control and map scale**
The up-pointing or down-pointing arrow is used to zoom out or zoom in the map. The number indicates the scale of the displayed map. The ZOOM button also provides the zooming function.

⑤ **Menu control**
Select this key to display the menu screen. (See Page 16.)

⑥ **Screen configuration control**
Allows you to select a preferred display type for route guidance. (See Page 47.)

⑦ **Vehicle marker**
Indicates the current position and direction of your vehicle.

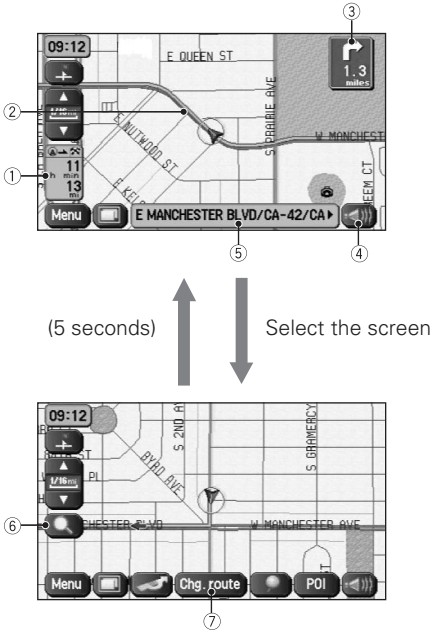
⑧ **"Store memory point" key**
Stores markers on the map.
This key appears just for a few seconds after a map screen is selected.

⑨ **Point of interest (POI) key**
Allows you to display the POI selection screen (see Page 108). On the screen, you can program POIs to appear on a map as markers. This key appears just for a few seconds after a map screen is selected.

⑩ **Distance from current position**
Indicates the distance from the current position to the position marked by ⌖ .

⑪ **Destination/waypoint key**
Used to program a destination or waypoint at the position marked by ⌖ on a scroll screen.

Screens During Route Guidance



① **Distance and time to destination**
Indicates the time (either approximate time required or time of arrival) and the distance to the destination or a waypoint.

② **Route**
A thick green line indicates the route you should follow.

③ **Turn guidance arrow**
Indicates the direction of your turn at the next intersection/junction as well as the distance to the intersection/junction.

④ **"Repeat voice" key**
If this key is selected, the last voice guidance will be repeated.

⑤ **Current road name**
Shows the name of the road you are currently driving on.

⑥ **"Display whole route" key**
If this key is selected, a map containing the entire route will be displayed. (See Page 65.)

⑦ **"Change route" key**
Selecting this key displays the route option menu. Selecting a new route option causes the system to calculate the selected route.

Menu Screen Keys and Functions

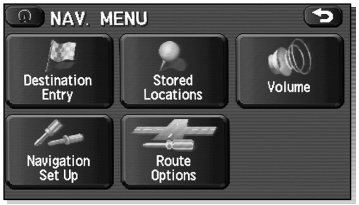
<Current map screen>



Press MENU button or select Menu to display the menu screen.

Select ↩ to return to the current map screen.

<Menu screen>



The table below shows the keys displayed on the navigation menu (NAV. MENU) screen, the functions accessible by selecting these keys, and the pages of this manual that describe the instructions you should follow when using these functions.

Menu screen key	Function	Reference page
Destination Entry 	Address	page 26
	Point of Interest	page 32
	Select from Map	page 35
	Emergency	page 38
	Memory Point	page 29
	Previous Destination	page 34
	Intersection	page 42
	Freeway Ent/Exit	page 36
	Phone Number	page 44
	Coordinates	page 40
Stored Locations 	Memory Points	page 89
	Avoid Area	page 97
	Dest. & Way Pt.	page 57
	Home	page 100
	Previous Dest.	page 102
	Preset Dests.	page 104
Volume 	Volume	page 12

Navigation Set Up 	User Settings	page 71
	Quick POI Selection	page 74
	Language Selection	page 76
	Navigation Information	page 77
	Calibration	page 79
	Set Clock	page 82
	Restore System Defaults	page 84
Route Options 	Search Condition	page 54
	Detour	page 55
	Route Pref.	page 56
	Dest. & Way Pt.	page 57
	Display Route	page 65
	Route Preview	page 66

Selecting Map Orientation

You can select either “heading up” or “north up” display on the current map screen by using the following procedure.

1

Select or .

<“Heading up” display>



If you select (“heading up” display), the system rotates the map so that the direction in which you are heading is always directly upwards on the screen (the red arrow points to the north).



<“North up” display>

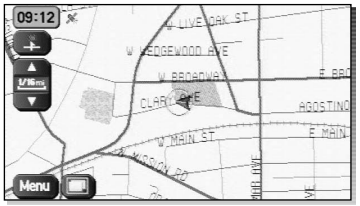


If you select (“north up” display), the system rotates the map so that north is always directly upwards on the screen.

Changing Map Scale

You can increase or decrease the scale of the map using the following procedure:

1



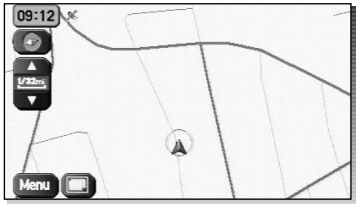
Select ▲ or ▼ to change the map scale.

The ZOOM button also allows you to change the map scale.



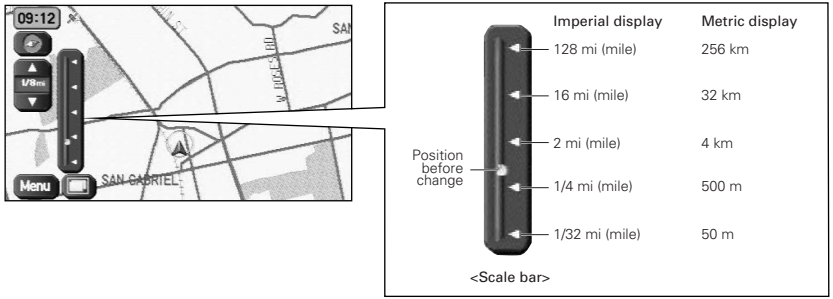
Selecting ▲ or ▼ (or operating the ZOOM button) changes the scale as shown to the left.





NOTE

- You can keep selecting ▲ or ▼ (or operating the ZOOM button) to continually change the map scale.
- If you touch an appropriate point on the right side of the scale bar after selecting ▲ or ▼ (operating the ZOOM button), you can choose directly from any of the five scales.



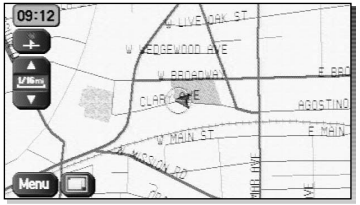
- The scale can be displayed in Imperial or metric units. To change the units, see Page 71.

Setting Destination

Setting destination/waypoints by scrolling the map

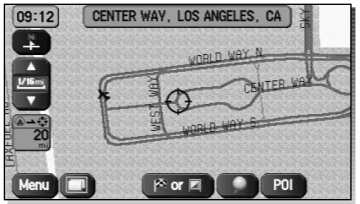
Even if you do not know the exact address of your destination or a waypoint on your route to the destination, you can set it by scrolling the map as follows:

1



Touch the screen and scroll the map until the crosshair ⌖ reaches the destination or a waypoint.

2



Select the or (destination or waypoint) key.

The key will separate into the destination key and the waypoint key.

3

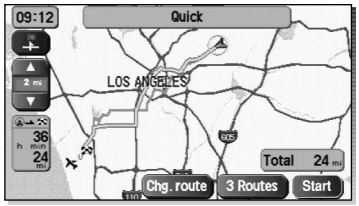


Select for setting the destination.

The system will calculate the route and display the entire route to the destination on the map.

Select for a waypoint. The system will program the address of the waypoint on your route (see Page 86). You can set up to 5 waypoints per trip.

4



Select Start (start).

Route guidance will begin along the displayed route.

NOTE

- If the system cannot find your desired route, select Chg. route (change route). This will allow you to access the ROUTE OPTIONS screen, from which you can prompt the system to calculate a new route. (See Page 52.)
- Selecting Start for more than ten seconds will start the demonstration mode operation. Press the MAP button or select to cancel the demonstration mode.

■ Selecting route

Upon setting the destination, the system prepares to calculate three types of routes to the destination (Quick, Alt., and Short). You can select from any of the three options as follows:

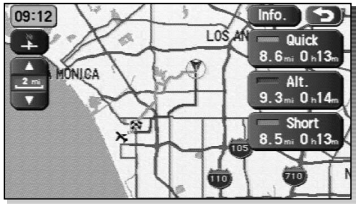
1



Select 3 Routes (3 routes).

The system will be ready for calculation of any route you select from the three options, namely, Quick (the fastest route), Alt. (alternative route), and Short (the shortest route).

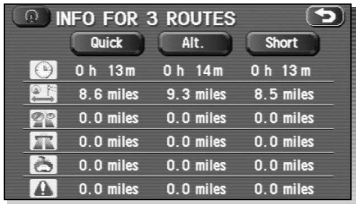
2



Select Info. (information).

The screen will display details (required time, total distance, roads used, etc.) regarding each option.

3

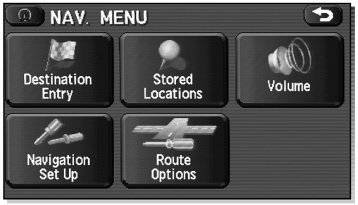


Select Quick, Alt., or Short as you desire, and then select Start to confirm your selection.

Setting the destination from the navigation menu

You can set your destination using a variety of methods if you start setting from the navigation menu screen. Before you can use any of these methods, perform the following steps:

1 **Press the MENU button or select Menu.**

2 

Press the DEST button or select Destination Entry (destination entry).

3



Select the method you want to use.

	(Address)*	See Page 26.
	(Point of Interest)*	See Page 32.
	(Select from Map)	See Page 35.
	(Emergency)	See Page 38.
	(Memory Point)	See Page 29.
	(Previous Destination)	See Page 34.
	(Intersection)*	See Page 42.
	(Freeway Ent/Exit)	See Page 36.
	(Phone number)	See Page 44.
	(Coordinates)	See Page 40.
	(Home)	See Page 31.

You can switch between screens by selecting ▶ (next page) or ◀ (previous page).

NOTE

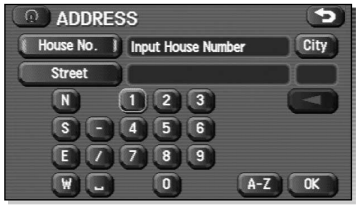
- If the set destination area is different from the one displayed under "Search Area" in the right part of the screen, you must select the Change (change) key and specify the desired area again.
- For the methods marked with an asterisk (*), you can use the "Change Search Area" function to narrow the area where a destination or waypoint is located by selecting the Change (change) key (see Page 46).
- Depending on the method used or the status of the map displayed, the located point may differ from where the facility you want to visit actually exists.

■ “Address” method

First, choose either of the two procedures below to follow the “address” method.

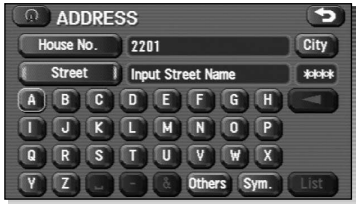
- Press the MENU button or select Menu, select Destination Entry (destination entry), and then select Address (address).
- Press the DEST button and select Address (address).

1



Enter a house number using the keypad on the house number input screen and select OK.

2



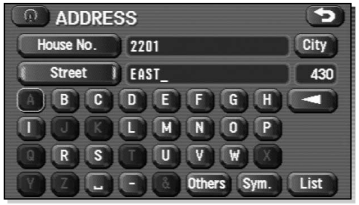
Enter the street name.

If you enter enough letters to identify a street name and advance to Step 3, a list showing several street names will be displayed. Select the desired street name from the list.

◄ : Use this key to delete the last character entered. Select it repeatedly if you want to delete all the characters entered.

You can switch between keypad screens showing different characters by selecting Others (others), Sym. (symbols) or A-Z (alphabet).

3



Select List (list).

4



Select the desired street from the list.

If the same street name exists in more than one city, a list of these cities will be shown.

5



Select the correct city from the list.

Input name **:** Use this key to input the city name from the keypad.

6



Select (destination) to set the address entered in the above steps as your final destination.

The system will calculate the route and display the entire route on the map.

Select (waypoint) to set the address entered in the above steps as a waypoint on your route.

You can program up to five waypoints per trip.

7

Select Start (start).

Route guidance begins along the displayed route.

NOTE

- If the system cannot find your desired route, select Chg. route (change route). This will allow you to access the ROUTE OPTIONS screen, from which you can prompt the system to calculate a new route. (See Page 52.)
- If your DVD-ROM disc does not contain the relevant house number data, an error message will be displayed and a street map will appear, allowing you to set the destination using the map.
- If your destination is not on a road, set a destination point on a main road nearest to your true destination.
- Selecting the City will display a screen that searches the destination on a city basis.
  - Any City : Search the destination from all cities.
  - 5 nearest cities : Search the destination from the nearby five cities within 20 miles from the current position.
  - Input City Name : Search the destination by inputting the city name.

  You can also search the destination from the five cities that you searched in the past.



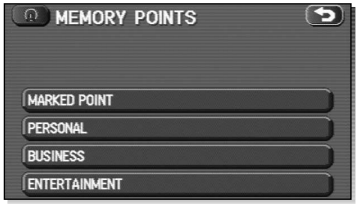
■ "Memory Point" method

If you have saved some locations in the system's memory, you can make use of an appropriate one to set the destination.

First, choose either of the two procedures below to follow the "memory point" method.

- Press the MENU button or select Menu, select Destination Entry (destination entry), and then select Memory Point (memory point).
- Press the DEST button and select Memory Point (memory point).

1



Select the category to which the address of the desired location (memory point) is classified in the memory.

2



Select the address of the desired location (memory point).

- : Use this key to display up to five previous suggestions.
- : Use this key to display the previous suggestion.
- : Use this key to display the next suggestion.
- : Use this key to display up to five of the next suggestions.

3 Select (destination) or (waypoint).

NOTE

- Select the Dist. (destination), Icon (icon), Name (name), or Date (date) key to change the sequence in which memory points are displayed.
- You cannot use the "Memory Point" method unless there are memory points stored. To store memory points, see Page 89.

■ “Home” method or method using stored destinations

If you have stored your home address in the system’s memory, you can use it for your destination or a waypoint. Similarly, if other locations are stored in the memory, they can be conveniently used for quick setting of destination and waypoints.

First, choose either of the two procedures below to follow the “home” method.

- Press the MENU button or select Menu, select Destination Entry (destination entry).
- Press the DEST button.

1



Select (home) or one of the locations programmed to keys 1 through 5.

The map including your home location or the selected location will be displayed.

2

Select (destination) or (waypoint).

NOTE

Icon (home) and keys 1 through 5 are displayed only when you have stored your home location and other locations in the memory. For instructions on how to store your home location and other locations, see Page 100.

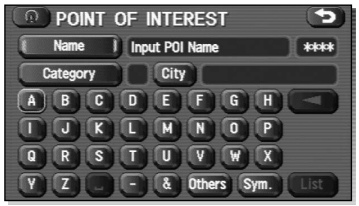
■ "Point of Interest" method

You can use a selection from the "Point of Interest" listing as your destination or a waypoint.

First, choose either of the two procedures below to follow the "point of interest" method.

- Press the MENU button or select Menu, select (destination entry), and then select (point of interest).
- Press the DEST button and select (point of interest).

1



Enter the name of the desired point of interest and select List.

2



Select the desired point of interest from the list.

: Use this key to display up to five previous suggestions.
: Use this key to display the previous suggestion.
: Use this key to display the next suggestion.
: Use this key to display up to five of the next suggestions.

3 **Select (destination) or (waypoint).**

NOTE

- If two or more points of interest share the same name, they will both be listed on the screen. Choose an appropriate one from the list.
- If there are two or more points of interest with the same name, select Category (category) or City (city) to shorten the list.
- Displayed information about a specific facility might not include recent changes. It is recommended that you check the location or business days/hours of a desired point of interest before departure.

■ “Previous Destination” method

This method allows you to choose one of the most recently used 100 destinations or waypoints as your new destination or waypoint.

First, choose either of the two procedures below to follow the “previous destination” method.

- Press the MENU button or select Menu, select Destination Entry (destination entry), and then select Previous Destination (previous destination).
- Press the DEST button and select Previous Destination (previous destination).

1



Select a desired location from the Previous Destination list.

: Use this key to display up to five previous suggestions.
: Use this key to display the previous suggestion.
: Use this key to display the next suggestion.
: Use this key to display up to five of the next suggestions.

2

Select (destination) or (waypoint).

NOTE

You can select Name (name) or Date (date) to change the sequence in which previous destinations are displayed.

■ “Select from Map” method

You can specify a location on the map that was last displayed and use it for setting the destination or a waypoint.

First, choose either of the two procedures below to follow the “select from map” method.

- Press the MENU button or select Menu, select Destination Entry (destination entry), and then select Select from Map (select from map).
- Press the DEST button and select Select from Map (select from map).

1



Scroll the map until the crosshair ⌖ is at the desired destination or waypoint.

2

Select (destination) or (waypoint).

■ “Freeway Entrance/Exit” method

You can use the name of a freeway entrance or exit selected from the “Freeway Entrance/Exit” list for setting your destination or a waypoint.

First, choose either of the two procedures below to follow the “freeway entrance/exit” method.

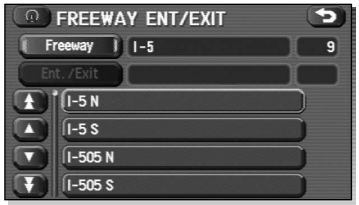
- Press the MENU button or select Menu, select Destination Entry (destination entry), and then select Freeway Ent/Exit (freeway entrance/exit).
- Press the DEST button and select Freeway Ent/Exit (freeway entrance/exit).

1



Enter the name of the desired freeway and select List.

2



Select the name of the freeway from the list.

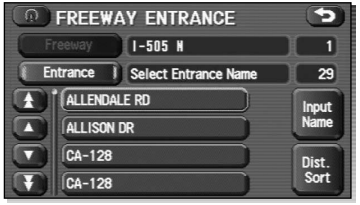
- : Use this key to display up to five previous suggestions.
- : Use this key to display the previous suggestion.
- : Use this key to display the next suggestion.
- : Use this key to display up to five of the next suggestions.

3



Select Entrance (entrance) or Exit (exit).

4



Select the name of the street from which you will enter the freeway or to which you will go after leaving the freeway.

Input name : You must select this key before you can enter the street name.

Dist. Sort : Use this key to search through the list by distance.

Name sort : Use this key to search through the list by name (alphabetical search).

5

Select (destination) or (waypoint).

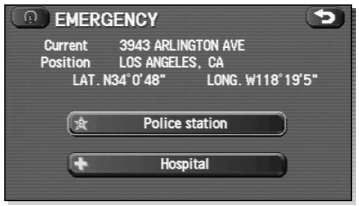
■ "Emergency" method

This function allows the nearest police station or hospital to be set as the destination.

First, choose either of the two procedures below to follow the "emergency" method.

- Press the MENU button or select Menu, select Destination Entry (destination entry), and then select SOS Emergency (emergency).
- Press the DEST button and select SOS Emergency (emergency).

1



Select either Police station or Hospital.

The nearest police stations or hospitals will be displayed accordingly.

2



Select the desired institution from the list.

- : Use this key to display up to five previous suggestions.
- : Use this key to display the previous suggestion.
- : Use this key to display the next suggestion.
- : Use this key to display up to five of the next suggestions.
- Dist. Sort : Sorts the list by distance.
- Name sort : Sorts the list in alphabetical order by name.

3 Select (destination) or (waypoint).

NOTE
Displayed information about each facility might be changed. It is recommended that you check the location or business days/hours before departure.

■ “Coordinates” method

You can set destinations or waypoints using their latitudes and longitudes as follows:

First, choose either of the two procedures below to follow the “coordinates” method.

- Press the MENU button or select Menu, select Destination Entry (destination entry), and then select Coordinates (coordinates).
- Press the DEST button and select Coordinates (coordinates).

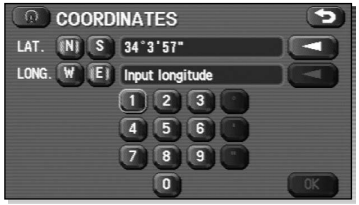
1



Enter the latitude of the desired location.

Use the numeric keys together with the [°] (degrees), [’] (minutes), and [”] (seconds) keys.

2



Enter the longitude of the location.

- N : Use this key to switch over to the north latitude.
- S : Use this key to switch over to the south latitude.
- W : Use this key to switch over to the west longitude.
- E : Use this key to switch over to the east longitude.
- ◄ : Use this key to delete the character last entered. Select it repeatedly if you want to delete all the characters entered.

3



Select OK.

4

Select (destination) or (waypoint).

■ "Intersection" method

You can use a intersection defined by two street names as a location for setting your destination or a waypoint.

First, choose either of the two procedures below to follow the "intersection" method.

- Press the MENU button or select Menu, select Destination Entry (destination entry), and then select Intersection (intersection).
- Press the DEST button and select Intersection (intersection).

1



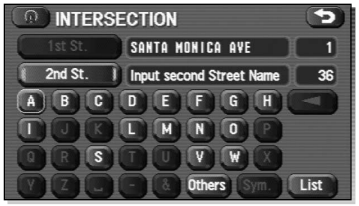
Enter the name of the first street and then select List.

2



Select the street from the "Intersection" list.

- : Use this key to display up to five previous suggestions.
- : Use this key to display the previous suggestion.
- : Use this key to display the next suggestion.
- : Use this key to display up to five of the next suggestions.

3 

Specify the second street using the same procedure as the first street.

4 **Select (destination) or (waypoint).**

NOTE

No intersection is defined if

- the two streets do not cross each other,
- the two streets are a freeway and a highway,
- either street is for right or left turns only,
- both are one-way streets,
- either street is for U-turns,
- the two streets cross on the inside lane,
- either street is an on/off ramp,
- either street is a frontage street, and/or

■ “Phone number” method

This function allows buildings and the like to be located using their phone numbers.

First, choose either of the two procedures below to follow the “phone number” method.

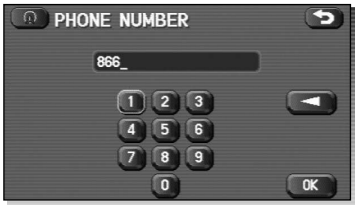
- Press the MENU button or select Menu, select Destination Entry (destination entry), and then select Phone number (phone number).
- Press the DEST button and select Phone number (phone number).

1



Enter the phone number starting with the area code.

2



Select OK.

3 **Select (destination) or (waypoint).**

NOTE

If a number of candidates exist as a result of, for example, different area codes, these will be displayed in a list. Your desired destination can then be selected from the list.

■ Using “Change Search Area” function

This function designates a general geographical area where the destination or waypoint you want to set is located. This function can be used in the methods marked with an asterisk (*) on Page 25.

First, choose either of the two procedures below to follow the “change” method.

- Press the MENU button or select Menu, select Destination Entry (destination entry), and then select Change (change).
- Press the DEST button and select Change (change).

1 

Select the desired area.

The DESTINATION ENTRY menu screen will appear.

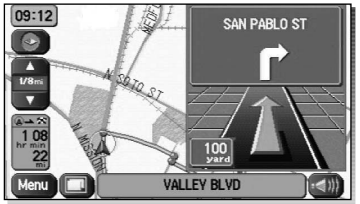
NOTE

- The SEARCH AREA screen shown above is a sample image. It may be slightly different from the actual screen image.
- The DVD-ROM disc containing map data is split into two discs, containing information regarding East and West U.S. respectively. Both discs cover the Continental U.S. and the District of Columbia, but the POI (points of interest) are split depending on the disc, as follows:
  WEST: US1 ~ US7 and southern Canada
  EAST: US6 ~ US10 and southern Canada
  US6, US7 and southern Canada (CAN) are included in both discs.
  Please note that Alaska, Hawaii, Guam and the other Pacific islands are not covered.

Route Guidance Screen

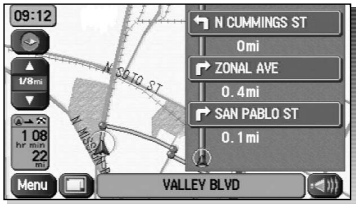
During route guidance, the system can indicate on a second screen the directions in which you must make turns at the next and following intersections in either of two ways: “turn arrow” or “turn list”. Specify your preferred method of indication as follows:

<Turn arrow>



Turn direction is indicated by an arrow.

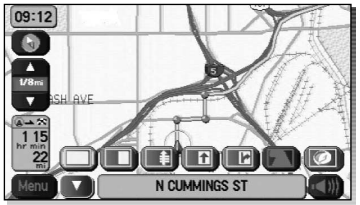
<Turn list>



Turn directions are indicated in a list.

1 **Select (screen configuration).**

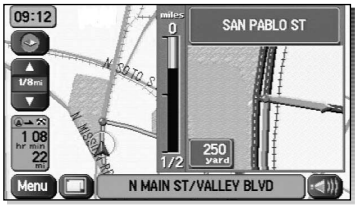
2



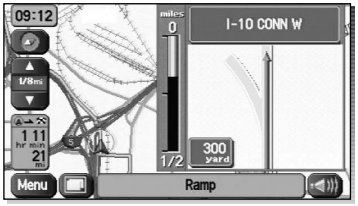
Select for turn arrow indication or for turn list indication.
If you need not make any further selection, select . The relevant keys will disappear.

Zoom-in Map at Intersection

Before you arrive at an intersection, the system will automatically show a zoom-in map of the intersection on a second screen to make the guidance clearer.



As you approach an intersection during route guidance, a zoom-in map of the intersection automatically appears on a second screen. After you drive past the intersection, the zoom-in map disappears.



As you approach a fork on a freeway during route guidance, a zoom-in map of the freeway automatically appears on a second screen, making the route guidance clearer.

NOTE

Use the following procedure to recall the most recently displayed zoom-in map of an intersection or a freeway fork.

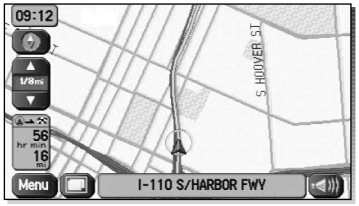
1. Select (screen configuration).
2. Select (re-display of intersection/range guidance).

   If you need not make any further selection, select . The relevant keys will disappear.

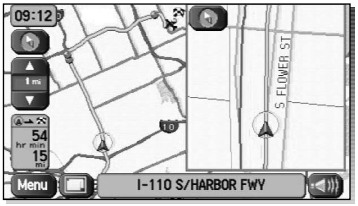
Dual Map Display

You can configure the screen for a dual map display.

<Single map display>

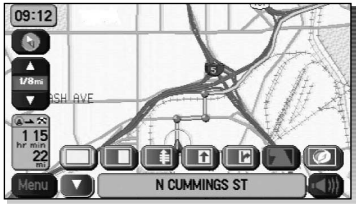


<Dual map display>



1 **Select (screen configuration).**

2



Select (dual map).

If you wish to return to the single map display, select (single map).

If you need not make any further selection, select . The relevant keys will disappear.

NOTE

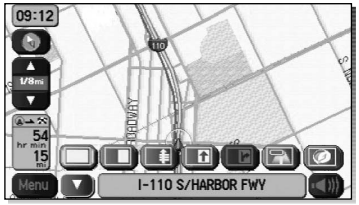
If you wish to modify the display selections that have been made for a second screen, touch the top of the screen. After completing the modification, select .

- See Page 19 for details on scale changes.
- See Page 108 for details on setting with POI.

Freeway Information

A list of buildings and facilities along a freeway can be displayed on the screen.

1 **Select (screen configuration).**

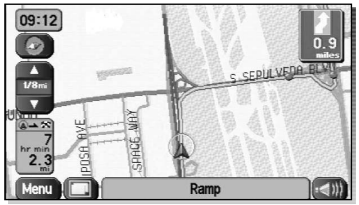
2 

Select (freeway information).

If you need not make any further selection, select . The relevant keys will disappear.

Replaying Voice Guidance

If you want to listen to the last voice guidance again during route guidance, use the following procedure:

1 

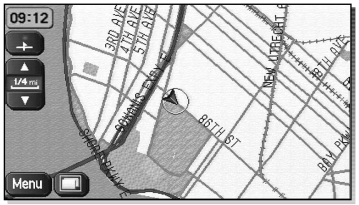
Select .

You can hear the voice guidance again.

Compass Mode

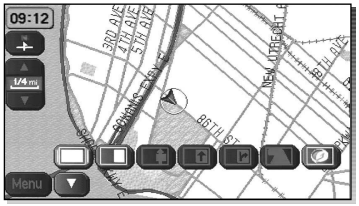
Longitude and latitude of present location can be displayed on the screen.

1



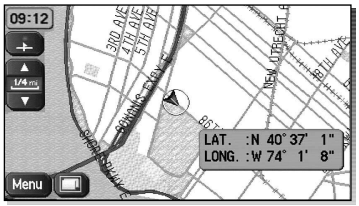
Select (screen configuration).

2



Select (compass).

3

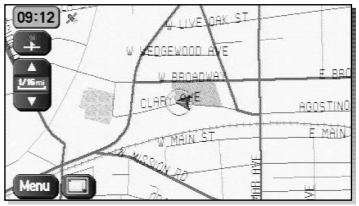


Longitude and latitude of present location are displayed at lower right of the screen.

Setting Route Options

Using the functions available from the Route Options screen, you can change the route options, stop the route guidance or check the route. Use the following procedures:

1



Press the MENU button or select Menu.

2



Select Route Options (route options).

The Route Options screen will appear. Select any of the following displayed functions as necessary:

Search conditn **(search condition):**

This function allows you to specify the way in which the system calculates the route to the destination. (See Page 54.)

Detour **(detour):**

This function allows you to prompt the system to calculate an alternative route from your current position within a specified distance. (See Page 55.)

Route Pref. **(route preferences):**

This function allows you to prompt the system to alter the route search conditions and recalculate the route accordingly. (See Page 56.)



(destination and waypoint):
This function allows you to modify the destination and waypoints, and prompt the system to recalculate the route accordingly. (See Page 57.)



(display route):
This function allows you to confirm the entire route and, if necessary, prompt the system to recalculate the route according to your specification. (See Page 65.)



(route preview):
This function allows you to simulate a drive along the system-calculated route before departure. (See Page 66.)



(calculate):
Selecting this key prompts the system to recalculate the route.



(cancel guidance):
Selecting this key prompts the system to stop route guidance. Note that this erases the destination and waypoints. To prompt the system to start guidance again, select 

(calculate).

NOTE
A recalculated route will sometimes be the same route as the one displayed before recalculation.

Search condition

You can specify the way in which the system calculates your route.

Press the MENU button or select Menu, then select Route Options (route options), and then select Search conditn (search condition).

1



Select Quick (Quick), Alt. (Alt.), or Short (Short) to specify the way of calculating the route to reach the next waypoint or the destination from the current point.

Quick : The system will calculate a route with the shortest driving time required.

Alt. : The system will calculate an alternative route.
(You can select Quick, Alt. or Short for the first waypoint. Only Quick or Short can be specified for the second and subsequent waypoints.)

Short : The system will calculate a route with the shortest driving distance.

2

Select Calculate (calculate).

3

Select Start (start).

Detour

You can specify a detour distance from your current position. The system will calculate an alternative route according to the distance specification, enabling you to take a detour.

Press the MENU button or select Menu, then select Route Options (route options), and then select Detour (detour).

1



Select a detour distance using 1miles, 3miles, 5miles, or Whole route (whole route).

The system will then calculate an alternative route that detours from the current location within the specified distance.

2

Select Start (start).

NOTE

If you are driving off the route, it is not possible to calculate a detour route.

Route preferences

Use this function to specify preferred route search conditions. The system will start recalculating the route according to your specified conditions.

Press the MENU button or select Menu, then select Route Options (route options), and then select Route Pref. (route preferences).

1

Specify conditions by selecting keys.
Each time you select a key, it will toggle between "usage" and "non-usage" of the corresponding roads or ferries.

2



Select Calculate (calculate).

NOTE
- The Calculate (calculate) key can be selected during route guidance.
- The route calculation will not always be able to follow the specified conditions.

Destination and waypoints

You can change the destination or waypoints for the route calculation by using this function.

■ Addition of waypoints

Use the following procedure to add new waypoints to the current route for recalculation.

Press the MENU button or select Menu, then select Route Options (route options), and then select Dest. & Way Pt. (destination and waypoints).

1



Select Add (add).

2



Set a waypoint using any method available from the screen.

3



Specify the order in which all the set waypoints are to be visited.

Choose the location of the waypoint to be added, and then select Add (add).

4

Select Calculate (calculate).

NOTE

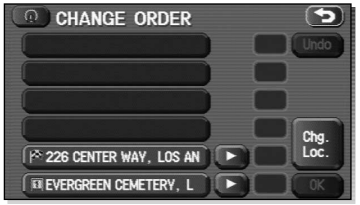
- When a new destination is set using (destination), it will replace the current destination and the route calculation will be carried out again.
- Step 3 must be performed for the second and any subsequent waypoints.
- Repeat Steps 1 to 3 for each waypoint to be set.

■ Modifying destination or waypoint positions

Use this procedure to modify the destination or waypoint positions. The screen will display the calculated route and the positions of the destination or waypoints that you will be able to modify.

Press the MENU button or select Menu, then select Route Options (route options), and then select Dest. & Way Pt. (destination and waypoints).

1 **Select List (list).**

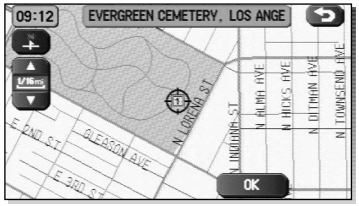
2 

Select Chg. Loc. (change location).

3 **Select the key corresponding to the location that is to be modified.**

The map for the area around your current location will be displayed.

4



Scroll the map to bring the crosshair ⌖ to the location and then select OK.

5

Select Calculate (calculate).

■ Modifying visiting order

You can change the order for visiting your waypoints by using this procedure.

Press the MENU button or select Menu, then select Route Options (route options), and then select Dest. & Way Pt. (destination and waypoints).

1 **Select List (list).**

2



Select the waypoint keys according to the order of your visit.

If you wish to cancel the visiting order number indication, select Undo (undo).

3



When you complete the sequencing, the visiting order will be updated automatically.

4 **Select OK.**

5 **Select Calculate (calculate).**

■ Deleting destination or waypoints

Use this procedure when you wish to delete the previously set destination or waypoint.

Press the MENU button or select Menu, then select Route Options (route options), and then select Dest. & Way Pt. (destination and waypoints).

1

Select Delete (delete).

2



Select the key corresponding to the destination or waypoint you wish to delete.

3



Confirmation message will be displayed. Select Yes (yes).
Select No (no) to cancel the deletion.

4

Select Calculate (calculate).

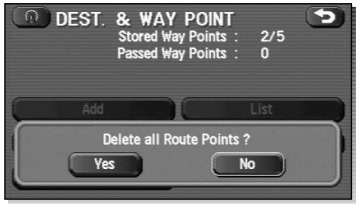
■ Deleting destination and all waypoints

You can delete the destination and all previously set waypoints in a single process.

Press the MENU button or select Menu, then select Route Options (route options), and then select Dest. & Way Pt. (destination and waypoints).

1 **Select Del. All (delete all).**

2



Confirmation message will be displayed. Select Yes (yes).

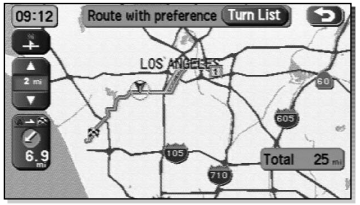
Select No (no) to cancel the deletion.

Display route

Use this function to display the entire route. You can also specify an area you wish to avoid and prompt the system to recalculate the route accordingly.

Press the MENU button or select Menu, then select Route Options (route options), and then select Display route (display route).

1



Select Turn List (turn list).

The entire route screen will appear and then it will change to the Turn List screen.

Avoid (avoid): Select this key if you wish to specify any areas to avoid from the list of street names.

Reroute (recalculate): The system will recalculate the route.

If the data for the route cannot be shown on one screen, scroll the screen using the ▲ and ▼ keys.

2

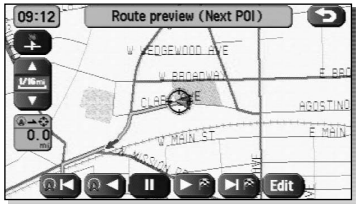
Select Start (start).

Route preview

The system can show you an automated simulation of the calculated route.

Press the MENU button or select Menu, then select Route Options (route options), and then select Route Preview (route preview).

1



Start the simulation drive according to the calculated route using the keys on the screen as follows:

- : Move to the start point.
- : The simulation drive will start toward the start point. After the start, this key will be displayed as , and when it is selected, the simulation drive will switch to high-speed driving.
- : The simulation drive will stop.
- : The simulation drive will start toward the destination. After the start, this key will be displayed as , and when it is selected, the simulation drive will switch to high-speed driving.
- : Move to the destination.
- Edit : The EDIT ROUTE PREVIEW screen will be displayed. (See page 67.)

NOTE

The visual speed of the simulation vehicle varies with the map scale selected. The speed appears to be faster with a wide-area map than with a zoom-in map.

■ Setting conditions for simulation drive

You can change the simulation drive conditions using this procedure.

Press the MENU button or select Menu, then select Route Options (route options), and then select Route Preview (route preview).

1



Select Edit (edit).

The EDIT ROUTE PREVIEW screen will appear.

To next Dest. or WP **(to destination or next waypoint):**

The simulation drive will stop at the destination or the next waypoint.

To next POI **(to next POI):**

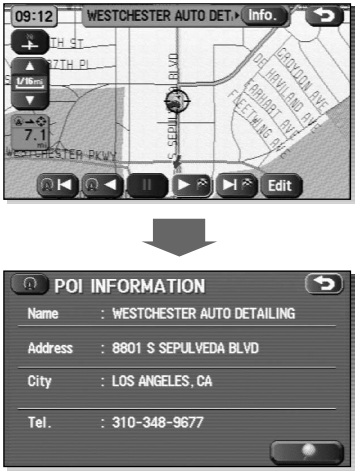
The simulation drive will stop at a point of interest that has been set up on the route.

Delete **(delete):**

A selected POI will be deleted.

POI keys:

When you select one of the six POI category keys, the system will retrieve the selected POI from the Quick POI storage and display it on the map. When you select the Others key, you can find POIs of other categories. For more details, see Page 74.



If, for example, the To next POI (restaurant) category key is selected and a simulation drive is started, your simulation vehicle will then stop at a restaurant on the route.

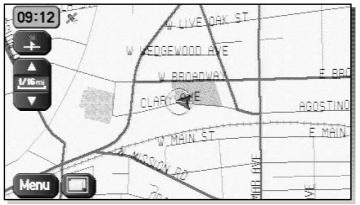
If you then select Info. (information), the system will display information on the restaurant.

NOTE

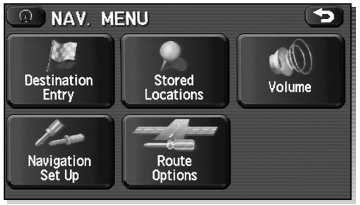
You must finish the simulation drive before you actually start to drive. Although the simulation drive will automatically stop when you actually start to drive, not finishing it properly can lead to an error in the display of your vehicle's current position.

Setting Your Navigation System

Using the functions available from the Navigation Setup screen, you can change the map display conditions and alter the route guidance conditions.

1 

Press the MENU button or select Menu.

2 

Select Navigation Set Up (navigation setup).
The NAVIGATION SET UP screen will appear.



Select any of the displayed functions as necessary. This screen consists of two pages. Change the page by using the ▶ or ◀ keys.

(user settings):

This function allows you to change the screen display and sound settings. (See Page 71.)

(quick POI selection):

This function allows you to set the point of interest categories that are displayed when you select the menu from the current position screen. (See Page 74.)

(language selection):

This function allows you to change the language for the menu screens and the voice guidence. (See Page 76.)

(navigation information):

This function allows you to confirm the vehicle signal, the version of the DVD-ROM disc. (See Page 77.)

(calibration):

You can use this function to correct display errors in the vehicle's position and direction. (See Page 79.)

(set clock):

This function allows you to set the time. (See Page 82.)

(restore system defaults):

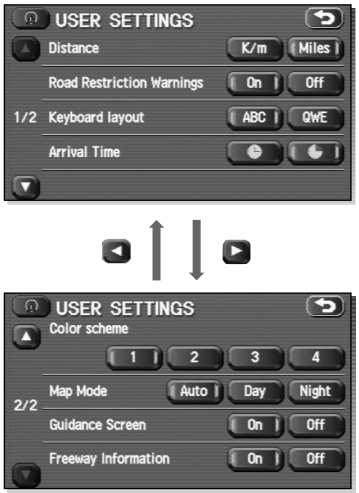
This function allows you to change the system's current settings back to the default settings (factory settings). (See Page 84.)

User settings

You can change the screen display and sound settings using this procedure.

Press the MENU button or select Menu, then select Navigation Set Up (navigation setup), and then select User Settings (user settings).

1



Select the setting item you wish to change.

The USER SETTINGS screen consists of three pages. Use the ▲ or ▼ keys to change the screen page when selecting a setting item.

Distance:

Units of distance can be selected from K/m (K/m) and Miles (miles).

Road Restriction Warnings:

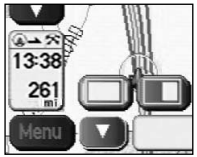
You can select or deselect display of traffic restriction warnings during route guidance.

Keyboard layout:

The layout of input keys can be selected from ABC ("ABC" layout) or QWE ("QWERTY" layout).

Arrival Time:

Time of arrival at the destination or a waypoint can be displayed in two different ways: estimated arrival time or remaining driving time. Select ● for the estimated arrival time display or ● for the remaining time display.



<Estimated arrival time>



<Required remaining time>

Color scheme:

Select your preferred screen color from four options 1 to 4.

Map Mode:

The map display mode can be set to any of the automatic, daytime, and nighttime modes.

Auto (automatic): The brightness of the display will automatically change to daytime brightness and nighttime brightness when the headlights are turned off and on, respectively.

Day (daytime): The brightness of the display is fixed at the daytime setting regardless of whether the headlights are on or off.

Night (nighttime): The brightness of the display is fixed at the nighttime setting regardless of whether the headlights are on or off.

Guidance Screen:

This function allows you to select or deselect display of guidance messages on the screen.

Freeway Information:

This function allows you to select or deselect display of guidance messages when driving on freeways.

Quick POI selection

Using this function, you can set the point of interest categories that are displayed when you select the Point of Interest menu key on the current map screen. Set up to six different categories that you use most frequently. (See Page 108 for the method of displaying POI categories on the map and searching for the nearest points of interest.)

Press the MENU button or select Menu, then select Navigation Set Up (navigation setup), and then select Quick POI Selection (quick POI selection).

1



Select one of the six category keys you wish to program into the Quick POI storage.

Default **(default):** Use this key to restore the factory settings.

2



Select a category.

Once you have selected a category key, subcategories will be displayed.

All category list **(all category list):**

Subcategories from all individual categories will be displayed together.

3



Select the subcategories to be displayed on the map.

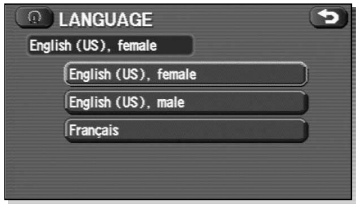
NOTE

Repeat Steps 1 to 3 to add more POI categories for display on the menu screen.

Language Selection

Use the following procedure to select your preferred language for the menu screens and the voice guidance.

Press the MENU button or select Menu, then select Navigation Set Up (navigation setup), and then select Language Selection (language selection).

1 

Select your preferred language from the list.

Navigation information

This function allows you to confirm the vehicle signal, the version of the DVD-ROM disc. (See Page 78.)

■ Vehicle signal

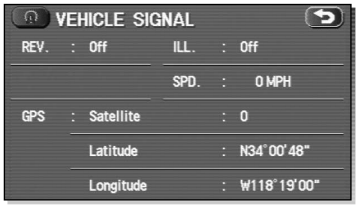
This function allows certain vehicle data and GPS satellite data to be displayed.

Press the MENU button or select Menu, then select Navigation Set Up (navigation setup), and then select Navigation Information (navigation information).

1



Select Vehicle Signal (vehicle signal).



The VEHICLE SIGNAL screen will appear.

■ Version

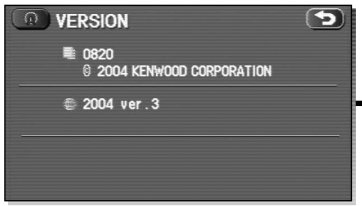
Use this function to check the version of the DVD-ROM disc you are presently using.

Press the MENU button or select Menu, then select Navigation Set Up (navigation setup), and then select Navigation Information (navigation information).

1



Select Version (version).



The version of the DVD-ROM disc will be displayed on the screen.

→ Version of the DVD-ROM disc

Calibration

This function allows you to correct any display errors in the position and direction of your vehicle on the map display.

■ Adjusting current position and direction

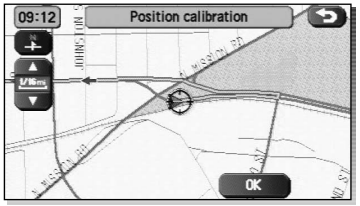
Press the MENU button or select Menu, then select Navigation Set Up (navigation setup), and then select Calibration (calibration).

1



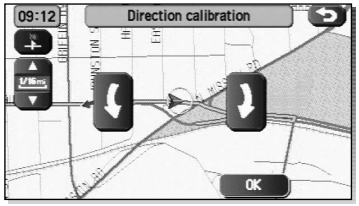
Select Position/Direction (position/direction).

2



Move the crosshair ⌖ to the correct position, and then select OK.

3



Use or to adjust the direction in which you are heading, and then select OK.

■ Distance

When selected, this function automatically corrects an error in the current position display that might occur after tire replacement.

Press the MENU button or select Menu, then select Navigation Set Up (navigation setup), and then select Calibration (calibration).

1



Select Distance.

NOTE

You will have to drive about 6 miles (10 km) before the distance correction is complete.

Set clock

Since the adjustments for minutes and seconds are made automatically using the time data provided by GPS satellites, you can set your clock by simply performing a time-zone and daylight saving time adjustment using this function.

Press the MENU button or select Menu, then select Navigation Set Up (navigation setup), and then select Set Clock (set clock).

1



Select 24H if you prefer 24-hour display; select 12H for 12-hour display.

2

Select the time-zone by pressing the Pacific, Mountain, Central or Eastern.

NOTE
Initial time-zone setting of this navigation unit is Pacific Pacific (west disc) /Eastern Eastern (east disc).

3

Select the daylight saving time mode by pressing On or Off.

NOTE
Select On to advance the time by one hour.

4

Select +0.5H to advance the time by half an hour; select -0.5H to push back the time by half an hour.

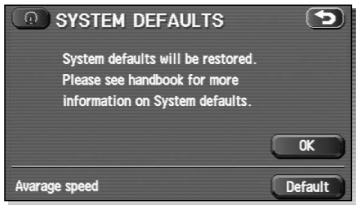
NOTE
When the clock is adjusted by the “Hour Adjust” button, the all of time-zone switch goes off.

Restore system defaults

Use this function if you want to change all of the system's current settings back to the default settings.

Press the MENU button or select Menu, then select Navigation Set Up (navigation setup), and then select Restore System Defaults (restore system default).

1



Select OK to return all current systems settings to default.
Select Default (default) to return average speed setting to default.

NOTE
If you select this function, all your settings will be deleted.

[Default List]

Item	Initial condition
Map display	
Search Area	US9 (EAST), US2 (WEST)
Display Guidance Language	US English, female
Map Orientation (1 and 2 screen)	North up
Map Display Mode	Single-screen display
Map Display Scale	Single-screen: 10,000 map (1/16 min) (100 m) Dual-screen: 40,000 map (1/4 min) (500 m)
Map Configuration	Arrow Mode
Q-POI Map Display	Off
Show POI Icon Display	Off
Right Screen Setting, POI	On
Passage Point Display/ Current Location, Map Screen (Time Requirement, Time, Direction / Distance)	Next passage point
Passage Point Display/ Full Route, Map Screen (Time Requirement, Time, Direction / Distance)	Destination
Notify Seasonal Restrict	On
Freeway Information	Off
Volume Control	
Volume Preset	4
Navigation Setup Menu	
Distance	Mile
Notify Traffic Restriction	On
Audio Mute	On
Keyboard Layout	ABC
Arrival Time	Required remaining time

Item	Initial condition
Color Scheme	1
Map Mode	Auto
Guidance Screen	On
Q-POI Selection	A : Gas station B : ATM C : Parks D : Grocery store E : All Restaurant F : Hotel
Language Selection	US English, female
Route Options	
Search Condition	Quick
Route Preferences	Allow Toll Road: Off Allow Ferry: Off Allow Major Roads: On Allow Time Restricted Road: Off

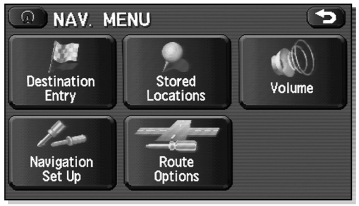
Stored Locations

You can store, edit, or delete any destinations, waypoints, and other marked points using the procedures described in this section.

1

Press the MENU button or select Menu.

2



Select Stored Locations (stored locations).

3



Select the desired item.

Memory Points (Memory Points):
Use this function to place markers on the map. (See Page 89.)

Avoid Area (Avoid Area):
Use this function to store into the system's memory any areas you want to avoid. (See Page 97.)

Dest. & Way Pt. (Destination and Waypoint):
Use this function to set the destination and waypoints. (See Pages 57 to 64.)

Home (Home):
You can store the location of your home in the system's memory by using this function. (See page 100.)



(Previous Destination):
Use this function to delete previously stored destinations and waypoints. (See page 102.)



(Preset Destinations):
You can program a maximum of five destinations to keys for easy retrieval later on. (See page 104.)



(Display memory point icons):
Selecting this key allows you to display icons for memory points.



(Calculate):
Selecting this key prompts the start of route calculation.

Each of the above six functions has some or all of the following four standard editing functions (see the table below):



(add): You can store a new location into memory.



(list): You can see a list of the stored locations.

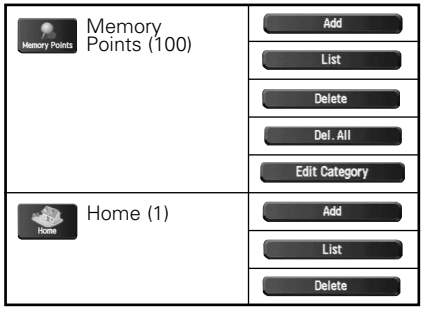


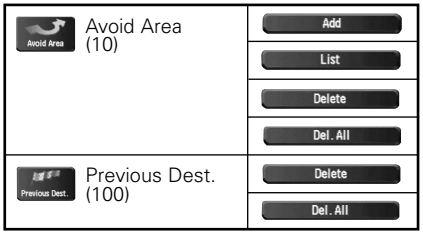
(delete): You can delete stored locations.

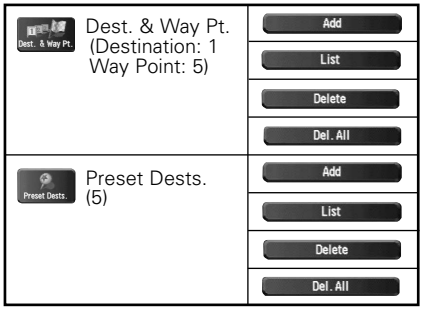


(delete all): You can delete all stored locations.

Editing keys displayed for each function are as follows:







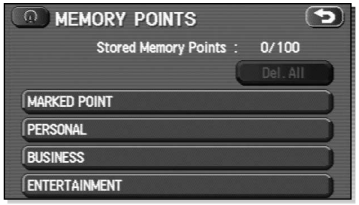
The numbers in parentheses following the function names indicate the maximum locations you can store in the memory.

Memory points

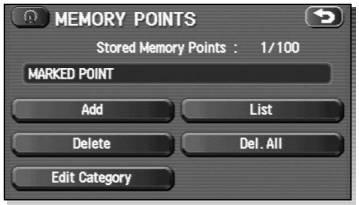
■ Storing new memory points

Memory points can be stored into any of the four categories of storage locations.

Press the MENU button or select Menu, then select Stored Locations (stored locations), and then select Memory Points (memory points).

1 

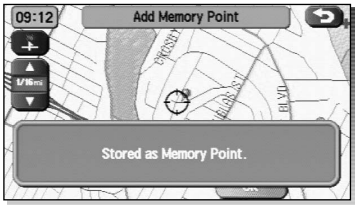
Select the storage location category for the memory point you wish to add.

2 

Select Add (add).

3





Set the memory point using the preferred method available on the displayed screen.

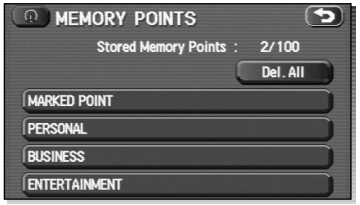
NOTE

Up to 100 memory points can be stored. Once that number has been reached, you must delete memory points that you no longer require (see Page 94) before you can store new memory points. The number of memory points you can store is indicated on the screen.

■ Reviewing and modifying memory points

Using this function, you can review the stored memory points in the form of a list on the screen and modify names, icons, telephone numbers, and other memory point data.

Press the MENU button or select Menu, then select Stored Locations (stored locations), and then select Memory Points (memory points).

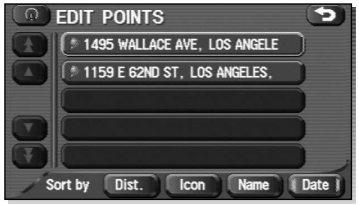
1 

Select the category of the memory point to be modified.

2 

Select List (list).

3

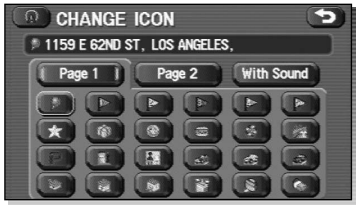


Select the memory point to be modified.

You can change the sequence in which memory points are listed by selecting Dist. (distance), Icon (icon), Name (name), or Date (date).

4



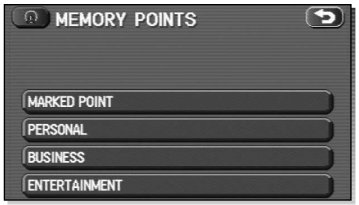


Select the category key corresponding to the memory point to be modified.

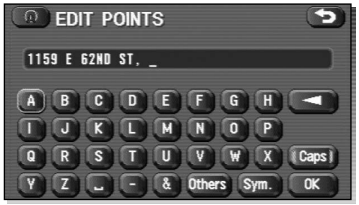
Icon **(icon):** Selecting this key allows you to choose a display icon. Page 1 and Page 2 of the CHANGE ICON screen contain standard icons, whereas the "With Sound" (with sound) page contains icons that are accompanied by response sounds. Select With Sound (with sound) to listen to these sounds.

NOTE

The "With direction" (/) keys in the "With Sound" page are used to activate response sounds only when you come near the memory point from the specified direction. Select or and set the direction using or .



Category (category): Use this key to change the storage category. After selecting this key, select the key of the new category.



Name (name): Select this key to change the name of a memory point. When the change has been completed, select OK (OK). Then select On (on) if the name is to be displayed on the map, or Off (off) if it is not to be displayed.

Position (position): Select this key to review the memory points and modify a memory point on the map screen. After checking or modifying it, select OK (OK).



Tel. (telephone): Select this key to modify a telephone number. When the modification has been completed, select OK (OK).

■ Deleting memory points

You can delete stored memory points by using this function.

Press the MENU button or select Menu, then select Stored Locations (stored locations), and then select Memory Points (memory points).

1 **Select the category of the memory point to be deleted.**

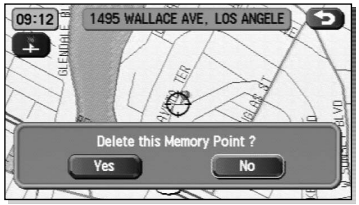
2 **Select Delete (delete).**

3



Select the memory point to be deleted.

4



Confirmation message will be displayed. Select Yes (yes).
Select No (no) to cancel the deletion.

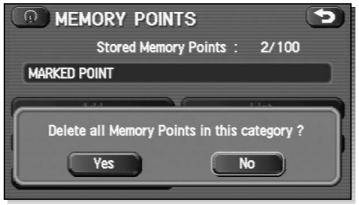
■ Deleting all memory points

Using this function, you can delete all memory points.

Press the MENU button or select Menu, then select Stored Locations (stored locations), and then select Memory Points (memory points).

1 **Select the category of the memory points to be deleted.**

2 **Select Del. All (delete all).**

3 

Confirmation message will be displayed. Select Yes (yes).
Select No (no) to cancel the deletion.

■ Modifying category names

Use this function if you want to change the category names - MARKED POINT (marked point), PERSONAL (personal), BUSINESS (business), and ENTERTAINMENT (entertainment) .

Press the MENU button or select Menu, then select Stored Locations (stored locations), and then select Memory Points (memory points).

1 **Select the category for which the name is to be changed.**

2 **Select Edit Category (edit category).**

3



Erase the letters of the category name using ◄, enter the new letters, and then select OK.

Avoid area

■ Storing avoid areas

If you use this function to store into the system's memory the areas you want to avoid, the system will avoid the areas when calculating routes.

Press the MENU button or select Menu, then select Stored Locations (stored locations), and then select Avoid Area (avoid area).

1



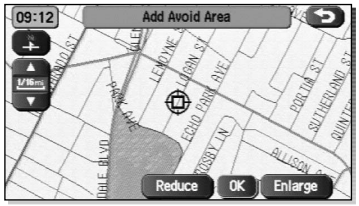
Select Add (add).

2

Set an avoid area using your preferred method.

A map including the specified avoid area will appear.
The method of setting avoid areas is identical to that of setting destinations.

3



Select Reduce (reduce) or Enlarge (enlarge).

Reduce **(reduce):** Reduces the size of the avoid area.
Enlarge **(enlarge):** Increases the size of the avoid area.

4

Select OK (OK).

NOTE

- Reduce the scale of the map to specify a larger area.
- Avoid areas can be set only when the scale of the map is 0.6 mile (1 km) or less.

■ Reviewing and modifying avoid areas

Using this function, you can review the stored avoid areas in the form of a list and modify them if necessary.

Press the MENU button or select Menu, then select Stored Locations (stored locations), and then select Avoid Area (avoid area).

1 **Select List (list).**

2 **Select the avoid area to be modified.**

3 

Select the key corresponding to the item to be modified.

For details regarding the function of each key, refer to "Reviewing and modifying memory points" on Page 91.

NOTE

The methods for deleting individual and all avoid areas are the same as those described on Page 94 and 95 for memory points.

Home

■ Storing home

Use this function to store your home location.

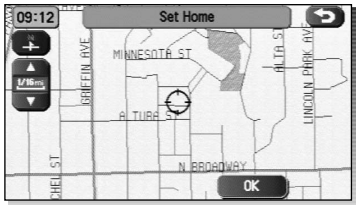
Press the MENU button or select Menu, then select Stored Locations (stored locations), and then select Home (home).

1



Select Add (add).

2



Move the crosshair ⌖ to the location of your home and then select OK (OK).

NOTE

To change your home location, select List (list) and then follow the home location storage procedure described above. Select Delete (delete) to delete the stored home location. Refer to “Deleting memory points” on Page 94 for further details on the home deletion methods.

Previous destination (deleting stored locations)

Use this function to delete previously set destinations.

Press the MENU button or select Menu, then select Stored Locations (stored locations), and then select Previous Dest. (previous destinations).

1



Select Delete (delete).

If Del. All (all delete) is selected, all previously set destinations will be deleted.

2



Select the destination to be deleted.

: Use this key to display up to five previous destinations.
: Use this key to display the previous destination.
: Use this key to display the next destination.
: Use this key to display up to five of the next destinations.
Name **(name):** Use this key to search through the list by name (alphabetical search).
Date **(date):** Use this key to search through the list by date.

3



Confirmation message will be displayed. Select Yes (yes).
Select No (no) to cancel the deletion.

Preset destinations

■ Storing preset destinations

Using this function, you can program up to five frequently used destinations to keys for single-action retrieval later on.

Press the MENU button or select Menu, then select Stored Locations (stored locations), and then select Preset Dests. (preset destinations).

1



Select Add (add).

2



Select the desired key from preset keys ❶ through ❺.

3 **Set the location of a preset destination using your preferred method.**
The method of setting preset destinations is identical to that of setting destinations.

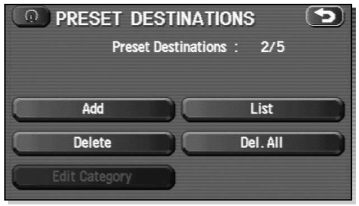
4 **Select OK (OK).**

■ Reviewing and modifying preset destinations

Using this function, you can review the preset destinations in the form of a list and modify them if necessary.

Press the MENU button or select Menu, then select Stored Locations (stored locations), and then select Preset Dests. (preset destinations).

1



Select List (list).

2



Select any one of keys ❶ through ❺ according to your modification requirements.

3



Select the editing keys appropriate to the item to be modified.

For details on the function of each key, refer to "Reviewing and modifying memory points" on Page 91.

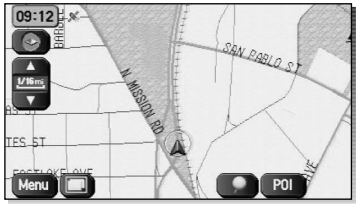
NOTE

The methods for deleting individual and all preset destinations are the same as those described on Page 94 and 95 for memory points.

Displaying POIs on a map

Using this function, you can display POIs on the current map screen.

1 **Touch the current map screen.**

2 

Select POI (points of interest).

3 

Select desired POIs (up to five) using the displayed category keys.

For selecting POIs of categories other than the six categories on the screen, select List Categories (list categories) and select any POIs from the newly displayed categories.

All Local POI's **(all local POIs):** Use this key to search for all local points of interest (see below).

Once you have made your selection of POIs, corresponding markers will appear on the current map screen.

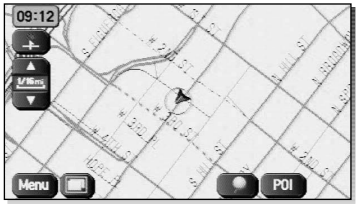
To delete the markers for these POIs, see Page 112.

NOTE

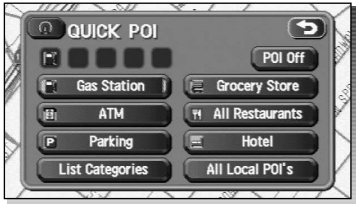
Displayed information about each POI facility might not include recent changes. It is recommended that you check the location or business days/hours before departure.

■ Local search

1 Touch the current map screen.

2 

Select POI (points of interest).

3 

Select All Local POI's (all local points of interest).

4



Select the POI you want to find from the list of categories.

: Use this key to display up to five previous POIs.
: Use this key to display the previous POI.
: Use this key to display the next POI.
: Use this key to display up to five of the next POIs.
Dist. : Use this key to search through the list by distance.
Icon : Use this key to search through the list by icon type.
Name : Use this key to search through the list by name (alphabetical search).

Once you have made your selection of POIs, corresponding markers will appear on the map.

Displaying POI data

You can display the information on a POI, such as the name, address and telephone number.

1 **Display the desired POI markers on the current map screen. (See Pages 74 and 108 for the procedure.)**

2



Select the POI marker for which you want information by moving the crosshair ⌖ over it.

The name of the POI will appear.

If no data is stored for the selected POI, no name is displayed.

3



Select Info. (information).

The information on the POI will be displayed.

: Use this key to store the POI location as a memory point.

Deleting POI markers

Use this function when you want to delete any POI markers on the map.

1 **Touch the current map screen.**

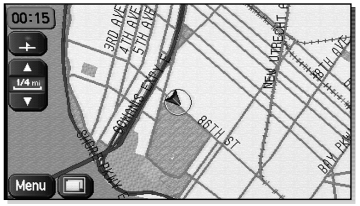
2 **Select POI (point of interest).**

3 

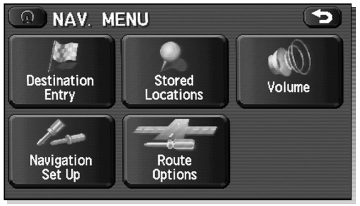
Select POI Off (point of interest off).
The marker for the POI will disappear from the map.

Editing Quick POI categories

Use this function when you want to edit the Quick POI categories on this unit.

1 

Select Menu (menu).

2 

Select (navigation set up).

3 

Select (quick POI selection).

4



Select the item that you want to edit.
(Following procedure show how to change the category from ATM to SUBARU dealership on Quick POI for example.)

5



Select Automotive **(automotive).**

6



Select SUBARU DEALERSHIP **(SUBARU dealership).**

7



SUBARU dealership bookmarked as SUBARU DEALER (SUBARU dealer) to Quick POI.

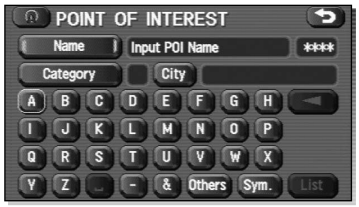
SUBARU dealership search

■ SUBARU dealership search from POI

First, choose either of the two procedures below to follow the "point of interest" method.

- Press the MENU button or select Menu, select Destination Entry (destination entry), and then select Point of Interest (point of interest).
- Press the DEST button and select Point of Interest (point of interest).

1



Press the Category (category).

2



Press the Automotive (automotive).

3

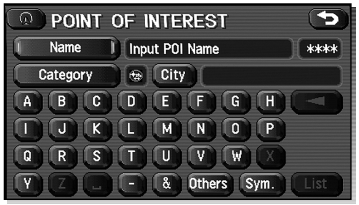


Select SUBARU DEALERSHIP (SUBARU dealership) from the list.

NOTE

- Displayed information about a specific facility might not include recent changes. It is recommended that you check the location or business days/hours of a desired point of interest before departure.

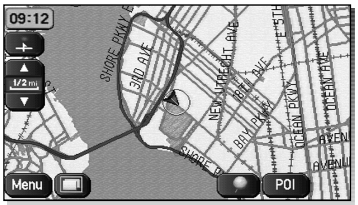
4



The system refine the destination search only for SUBARU dealership.

■ Displaying SUBARU dealership on map

1 Touch the current map screen.

2 

Select POI (points of interest).

3 

Select List Categories (list categories).

4 

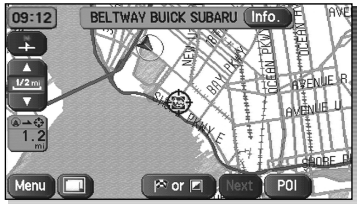
Select Automotive (automotive).

5



Select SUBARU DEALERSHIP (SUBARU dealership) and press Show (show).
The POI marker of SUBARU dealership will appear.

6



Select the SUBARU dealership marker by moving the cross hair ⌖ over it.

7

Select Info. (information).

8



The information of SUBARU dealership will be displayed.

■ Accuracy of vehicle position

Area in which GPS signals cannot be received

Because the radiowave signals from the GPS satellites travel primarily by line of sight, the navigation system might not be able to receive the signals in the areas described below.

(If the GPS mark does not appear on the map screen, it means that the GPS radiowave signals are not being properly received.)

(1) Inside a tunnel
(2) Inside a building
(3) Under a three-dimensional road system such as for high-speed roads
(4) On boulevards lined with trees
(5) Between buildings
(6) Under a cliff or in a cave

- If the GPS antenna or its surroundings are blocked by an obstacle (including cargo), it might not be possible for the system to receive the GPS radiowave signals.
- If multiple paths are created due to the reflection from buildings, a large measurement error could occur, causing the vehicle's mark to deviate from its actual position.

Deviation of the vehicle's position mark

The vehicle's position mark could deviate from its actual position when the vehicle is being driven under the conditions listed below or due to conditions of the GPS satellites.

If the vehicle travels on a road whose actual shape differs from that in the map data, the vehicle's mark could deviate from the actual position. The correct position will eventually appear on the screen through the correction function. If the screen does not show the correct position for an excessively long time, correct the current position or make an automatic correction.

(1) The vehicle's mark could appear on a parallel road.
(2) When the road splits into a narrow Y, the vehicle's mark could appear on the other fork of the Y.
(3) When the vehicle makes a right or left turn, the vehicle's mark could appear on one street ahead or behind.
(4) If the vehicle is transported by means other than the vehicle's own power, such as on a ferryboat, the vehicle's mark will remain in the position it was before the transport until the system can calculate the position through the GPS.
(5) When the vehicle is driven on a steep incline, the vehicle's mark could deviate from its actual position.
(6) If there are continuous gradual curves in the same direction, the vehicle's mark could deviate from its actual position.
(7) If the vehicle is driven in a zigzag pattern, such as through frequent lane changes, the vehicle's mark could deviate from its actual position.
(8) If the vehicle is placed on a turntable, such as in a parking area, and turned with the ignition OFF, the vehicle's mark could deviate from its actual orientation.

The vehicle's mark could also deviate even after the vehicle has exited the parking area.

(9) The vehicle's mark could deviate from its actual position if the vehicle is driven using tire chains or snow tires on a snow-covered road or on a mountainous road.

(10) The vehicle's mark could deviate from its actual position after the tires have been replaced.

■ How the vehicle position is detected

Detecting the vehicle's position through the GPS

GPS stands for "Global Positioning System", which is a system used for detecting an object's position through the use of satellites of the U.S. Department of Defense. Radiowave signals from three or more satellites are received by the navigation system, which utilizes the principle of triangulation to detect the position at which the radiowave signals are received.

When the navigation unit is receiving the GPS radiowave signals, a "GPS" mark will appear on the map screen.

Detecting the vehicle's position through self-contained navigation

Self-contained navigation is a system that detects the vehicle's position by calculating the vehicle's driven distance and turning angle though the use of various types of sensors that are mounted on the vehicle.

Through the use of self-contained navigation, the vehicle's position can be detected even in an area where the GPS radiowave signals cannot be received.

Making corrections to the detection of the vehicle's position through map matching

- In map matching, the position information resulting from the detection of the vehicle's position and the locus of the travel of the vehicle up to the present are constantly compared to the shape of the roads on the map in order to correct the vehicle's position mark to the most appropriate road.
- If the vehicle is driven on a road whose actual shape differs from its map data, the vehicle's position mark on the map could deviate from its actual position. Occasionally, the correction of the vehicle's position mark to the actual road on the map can be observed, particularly after the vehicle has turned at an intersection or has exited from a parking area.

■ Accuracy of the route guidance

The conditions listed below do not indicate a malfunction.

(1) The guidance might prompt the driver to drive straight even though the vehicle is being driven on a straight road.

(2) The directional guidance could display multiple place names.

(3) If the vehicle makes a turn at an intersection before the guided route, the wrong type of voice guidance could be outputted.

(4) The guidance might not be outputted while the vehicle is making a turn at an intersection.

(5) The system might not be able to search for the proper route.

(6) If there is no road to the destination or if there is only a narrow road, the route might be indicated up to an area that is short of the destination.

(7) The repeat search could take a long time while the vehicle is being driven at high speeds.

(8) While the system is searching again for the route, the route indication might not appear in time for the next right or left turn.

(9) The route might not change even if a search is made again.

(10) The system might guide the driver to make a U-turn.

(11) The system might guide the driver to a road that cannot actually be travelled (such as a road to which entry is prohibited).

(12) The system might not output guidance even if the vehicle is driven in reverse on the guided route.

(13) The system might not use a local ferryboat even if the ferry priority is selected.

(14) If the intersection that you're being guided to is near the end of the route search, the system might not be able to provide guidance.

(15) The route might not go on a toll road even if the toll-road priority is selected.

Similarly, a route that uses a toll road could appear on the screen even if the toll-road priority is not selected. (The driver may or may not be able to select "toll-road priority" if both toll and free roads are available.)

When a Problem Occurs

Confirm whether the problem is due to a minor operational error or a malfunction in the system by referring to the table below before you contact your SUBARU dealer for any repair service.

The map does not scroll even when the vehicle is moving.	
The screen shown might not be the current map screen.	See Page 13 of this manual for instructions on displaying the current map screen.
The vehicle marker does not appear.	
The screen shown might not be the current map screen.	See Page 13 of this manual for instructions on displaying the current map screen.
The GPS marker is not displayed.	
The GPS antenna or your vehicle might be in a position where GPS signals cannot be received.	Try moving the GPS antenna or your vehicle to a position where there are no obstacles around.
There is no voice guidance.	
• Route guidance might be suspended. • The guidance volume might be too low.	• See “Volume” on Page 12.

Small spots or bright flashes appear on the screen display.

This is probably due to the natural characteristics of the liquid crystal display (LCD).

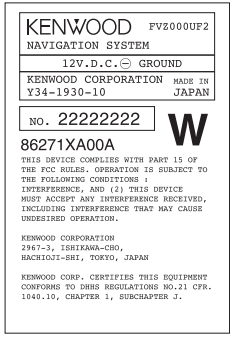
There is nothing wrong with the display and no need for concern.

The DVD-ROM disc cannot be ejected.

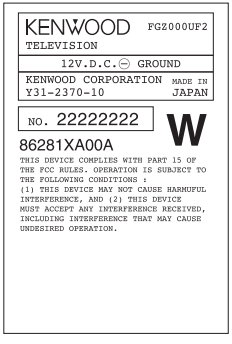
The disc might be incompatible or might have been inserted incorrectly.

⚠ CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.



Location : Bottom Unit



Location : Monitor top surface

FCC WARNING
This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

NOTE
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 may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. 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.

NOTE
This Class B digital apparatus complies with Canadian ICES-003.