Thank you for purchasing a NISSAN automobile. This user's manual is for the navigation system only.

Please read this manual carefully to ensure safe operation of the navigation system.

- Please read your vehicle's owner's manual first.
- Do not remove this manual from the vehicle when selling this vehicle. The next user of this navigation system may need the manual.
- Because of possible specification changes, parts of this manual may not apply to your vehicle.
- All information, specifications and illustrations in this manual are those in effect at the time of printing. NISSAN reserves the right to change specifications or design at any time without notice.

CONTENTS

INTRODUCTION	. 1-1
HOW DOES THE NISSAN NAVIGATION SYSTEM WORK?	. 2-1
WHAT FEATURES ARE AVAILABLE ON THE NISSAN NAVIGATION SYSTEM?	. 3-1
HOW DO I OPERATE THE NISSAN NAVIGATION SYSTEM?	. 4-1
HOW DO I PROGRAM A DESTINATION?	. 5-1
HOW DO I USE THE POINT OF INTEREST (POI) FEATURE?	. 6-1
HOW DO I USE THE ADDRESS BOOK FEATURE?	
HOW DO I USE THE AVOID AREA FEATURE?	. 8-1
HOW DO I USE THE AUTOMATIC REROUTING FEATURE?	. 9-1
HOW DO I USE THE VOICE GUIDANCE FEATURE?	10-1
HOW DO I ADJUST THE DISPLAY?	11-1
HOW DO I OPERATE THE AUTOMATIC TEMPERATURE CONTROLS?	12-1
HOW DO I OPERATE THE AUDIO SYSTEM?	13-1
INFORMATION ON MAP DATA DISCS	
TROUBLESHOOTING GUIDE	15-1
INDEX	16-1

1 INTRODUCTION

How to use this manual	1-2
For safe operation	1-2
Reference symbols	1-2
Safety note	

INTRODUCTION

HOW TO USE THIS MANUAL

This manual uses special words and icons, organized by function. Please refer to the following items and familiarize yourself with them.

The display and control panel are combined for Pathfinder model navigation system.

FOR SAFE OPERATION

A WARNING

This is used to indicate the presence of a hazard that could cause death or serious personal injury. To avoid or reduce the risk, the procedures must be followed precisely.

CAUTION

This is used to indicate the presence of a hazard that could cause minor or moderate personal injury or damage to your vehicle. To avoid or reduce the risk, the procedures must be followed carefully.

NOTE:

This indicates an item to help you understand the maximum performance of your vehicle. If ignored, it may lead to a breakdown or poor performance.

REFERENCE SYMBOLS

INFO:

This indicates information necessary for efficient use of your vehicle or accessories.

DEST button

This is a button on the control panel.

View key

This is a select key on the screen. By selecting this key you can proceed to the next function.

SAFETY NOTE

This system is primarily designed to help you reach your destination, and also performs other functions as outlined in this manual. However, you, the driver, must use the system safely and properly. Information concerning road conditions, traffic signs and the availability of services may not always be up-to-date. **The system is not a substitute for safe, proper, and legal driving.**

Before using the navigation system, please read the following safety information. Always use the system as outlined in this manual.

INTRODUCTION

A WARNING

- When the driver operates the navigation system or uses the joystick (screen function), first park the vehicle in a safe place and set the parking brake. Using the system while driving can distract the driver and may result in a serious accident. Destinations cannot be set while the vehicle is in motion.
- Do not rely on voice guidance alone. Always be sure that all driving maneuvers may be made legally and safely to avoid an accident.
- Do not disassemble or modify this system. If you do, it may result in accidents, fire, or electrical shock.

- Do not use this system if you notice any malfunction such as a frozen screen or lack of sound. Continued use of the system may result in accident, fire, or electrical shock.
- In case you notice any foreign object in the system hardware or spilled liquid, or notice smoke or a smell coming from it, stop using the system immediately and contact your nearest NISSAN dealer. Ignoring such conditions may lead to accidents, fire, or electrical shock.

NOTE:

Some states/provinces may have laws limiting the use of video screens while driving. Use this system only where legal.

What is a navigation system? 2	2-2
About the navigation system 2	2-2
What is GPS (Global Positioning	
System)? 2	2-2
Accuracy of positioning 2	2-2
Positioning adjustment 2	2-3
Receiving signals from GPS satellites 2	2-3
Display of GPS information 2	2-3
Detailed map coverage areas (MCA) for the	
navigation system 2	2-4

WHAT IS A NAVIGATION SYSTEM?

ABOUT THE NAVIGATION SYS-TEM

This navigation system combines the data obtained from the vehicle (by gyro sensor) and from GPS (Global Positioning System) satellites to calculate the current location of the vehicle. This position is then displayed on the screen, allowing route guidance to a destination.

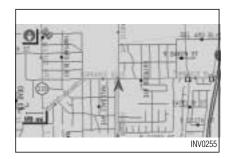
WHAT IS GPS (GLOBAL PO-SITIONING SYSTEM)?

GPS is a system developed and operated by the U.S. government, covering the entire globe. This navigation system receives three or more different radio signals from NAVSTAR (GPS satellites), orbiting the earth 13,049 miles (21,000 km) above ground. The data from different sets of signals will be trigonometrically calculated to obtain the position of the vehicle.

INFO:

The tracking center in the US, controls signals transmitted from GPS satellites. This control sometimes results in reduced accuracy or no signal received at all.

ACCURACY OF POSITIONING



The color of the GPS Indicator g_{ab} on the upper left corner of the screen indicates positioning as follows:

- Green: When positioning is possible and accurate
- Yellow: When positioning is possible but not accurate
- Gray: When positioning is not possible

INFO:

For approximately 3 or 4 minutes after system startup, the GPS indicator fremains gray, even if accurate positioning is possible.

POSITIONING ADJUSTMENT

When the system judges that the vehicle position information is not accurate based on vehicle speed and gyro sensor data calculations, the system will adjust the vehicle position information using GPS signals.

RECEIVING SIGNALS FROM GPS SATELLITES

Sometimes, satellite reception is weak. The following are places where signals tend to be weak:

• Inside tunnels and parking lots in buildings

- Areas with numerous tall buildings
- Under multi-layered highways
- In a dense forest

Vehicles in these areas may not receive GPS signals (Indicator color: gray).

INFO:

The antenna for GPS is located in the instrument panel inside the vehicle. **Do not place any object, especially mobile phones or transceivers, on the instrument panel**. Because the strength of the GPS signals is approximately one billionth of that of TV waves; phones and transceivers will decrease the strength or may totally disrupt the signals.

DISPLAY OF GPS INFORMA-TION

This system displays GPS information.

Please refer to "GPS information display" on page 11-12.

NOTE:

The navigation system does not take driving in carpool lanes into consideration for the guidance.

DETAILED MAP COVERAGE AREAS (MCA) FOR THE NAVIGATION SYSTEM

This system is primarily designed to help you reach your destination, and also performs other functions as outlined in this manual. However, you, the driver, must use the system safely and properly. Information concerning road conditions, traffic signs and the availability of services may not always be up-to-date. The system is not a substitute for safe, proper, and legal driving.

Map data includes major metropolitan areas in the United States.

Map data consists of map CD-ROM MCA1 to MCA9. For information about map CD-ROMs, contact a NISSAN dealer.

Map data includes 2 types of areas: "Detailed coverage areas" providing all detailed road data and other areas showing main roads only.

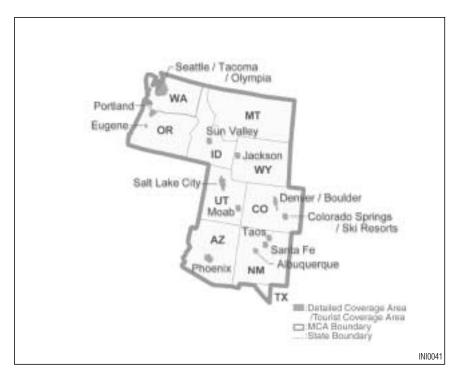
The route calculation may not be made on the border of the map coverage area and the other areas.

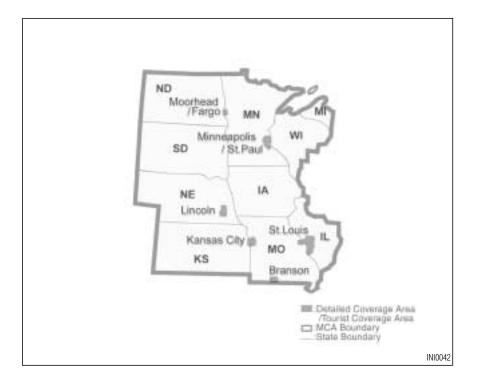
When driving from one map coverage area (MCA) into another: No map information is displayed on the screen when the vehicle is driven past the mapping border into the new area. Only the vehicle position icon is displayed on the screen. The screen will become gray indicating that you are outside the MCA covered by the mapping CD. Replace the current map CD with the new map CD that contains the information for the new area in which you are driving. Map information will then be displayed on the screen for the new area.

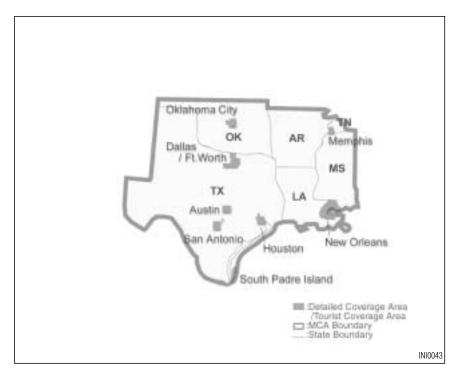
NOTE:

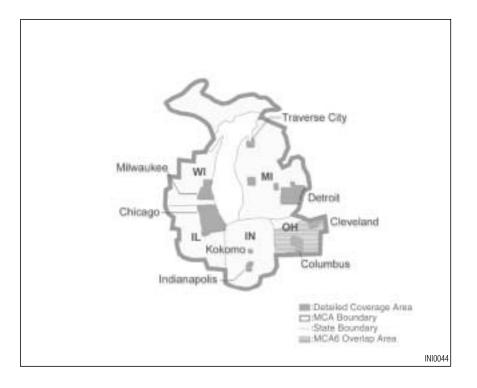
Waypoints and destinations cannot be set for positions outside of a map coverage area. Once the new Map CD is installed, you will need to reprogram the waypoints and final destination.

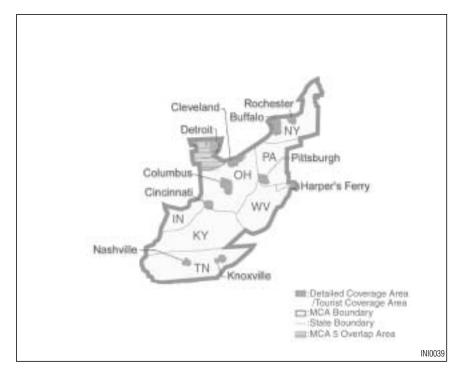










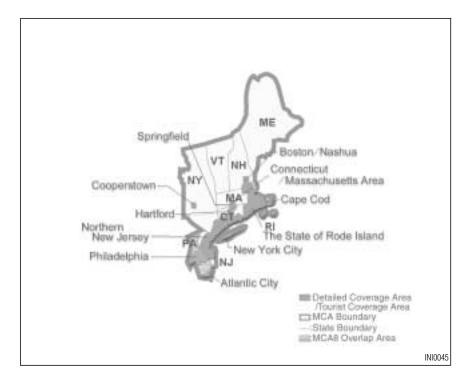


Map Coverage Area (MCA) 6

INFO:

Map data also contains part of the information about the vicinity of Detroit.

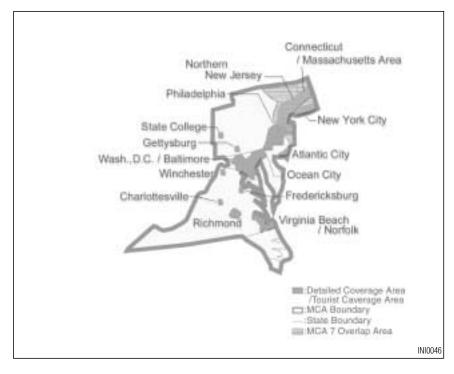
2-10



Map Coverage Area (MCA) 7

INFO:

Map data also contains part of the information about the vicinity of Philadelphia.



Map Coverage Area (MCA) 8

INFO:

Map data also contains part of the information about the vicinity of New York City.



Route guidance 3-	-2
Point of interest (POI) directory 3-	-2
Address book 3	-2
Avoid area 3-	-2
Automatic re-route 3-	-3
Detour 3-	
Birdview [™] 3-	-3
Voice guidance 3-	-3

ROUTE GUIDANCE

The main feature of the Nissan Navigation System is Visual and Audio Route Guidance. Utilizing a network of GPS (Global Positioning System) satellites, the Nissan Navigation System tracks your location on the map and directs you where you want to go.

Once you program a destination, The Nissan Navigation System will determine a route from your current location to your destination. The moving map display and turn-by-turn voice commands helps the driver determine upcoming turns.

This feature can be especially helpful in finding unfamiliar locations or businesses. The system may be unable to set a destination and/or calculate distance when a destination is outside a detailed map coverage area. Additionally, audio route guidance may not be available if the destination is outside a detailed map coverage area. For more information on how to program a destination, please refer to section 5.

POINT OF INTEREST (POI) DIRECTORY

The Nissan Navigation System offers an extensive Point of Interest directory for your convenience. This directory includes a wide variety of destinations ranging from gas stations, ATMs, and restaurants to casinos, ski resorts, shopping centers and businesses. By accessing the Point of Interest directory, you can search for addresses and phone numbers for a destination, and with a press of a button, the Nissan Navigation System will calculate a route to the destination.

The Point of Interest directory offers many uses. For example, the directory can be sorted by the various types of restaurants near your current location. If you need an ATM or gas station, the Nissan Navigation System can point you to the closest one or the closest one of your favorite brand. For more information on how to use the Point of Interest directory, please refer to section 6.

ADDRESS BOOK

Using the Address Book feature, you will have the ability to store up to 50 locations into a personal directory. This is especially useful for frequently visited locations, such as your clients, relatives, or friends. The Address Book feature will provide you with easy access to these frequently visited locations when setting them as your destination.

For more information on how to use your address book, please refer to section 7.

AVOID AREA

By using the Avoid Area feature, you can identify areas or freeways that you would like the Nissan Navigation System to avoid when plotting routes. For example, if you know of a freeway or area that is always congested with traffic, you can program the Nissan Navigation

System to plot routes that go around that particular freeway or area.

For more information on the Avoid Area feature, please refer to section 8.

AUTOMATIC RE-ROUTE

If you miss a turn while using the Route Guidance feature, the Nissan Navigation System will automatically re-calculate a new route to your destination.

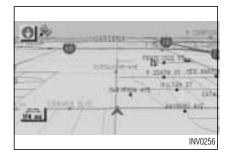
For more information on the Automatic Re-Route feature, please refer to section 9.

DETOUR

If you hear about a traffic accident on the radio that is 4 miles (6 km) ahead of you and traffic is backing up fast, you can use the Detour function to calculate an alternative route that will help you avoid the gridlock caused by the traffic accident. The Nissan Navigation System has the ability to find an alternative route using secondary roads that will return you to primary roads after a specified number of miles.

For more information on the Detour feature, please refer to section 9.

BIRDVIEWTM



The Nissan Navigation System gives you a choice of two map viewing styles, a normal 2-dimensional PLANVIEW map and the 3-dimensional BIRDVIEWTM map. The 3-D BIRDVIEWTM map depicts a geographic area as seen from an elevated perspective, so you will get a better feel for the route ahead.

For more information on the BIRDVIEWTM feature, please refer to section 11.

VOICE GUIDANCE



Route guidance is executed using voice and screen instruction. When the vehicle approaches an intersection where you need to turn, the voice guidance tells you the direction to take.

The system also has the following useful features:

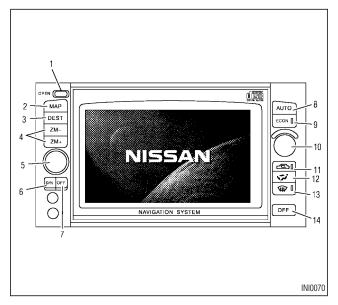
• Enlarged display of intersections.

• Automatic re-routing when a vehicle is off the course (when map is displayed).

For more information on the Voice Guidance feature, please refer to section 10.

Control panel button functions	4-2
Names of the components	4-2
How to use the joystick/touch screen	4-3
How to use the keys that appear on the	
display	4-3
How to change the disc 4	-10
Setting up the start-up screen 4	-12
Clearing the memory 4	-12
About route guidance 4	-13
Notes on route guidance 4	-14
About the display error 4	-15

CONTROL PANEL BUTTON FUNCTIONS



NAMES OF THE COMPONENTS

1. **OPEN** button

Allows access to the mapping software CD-ROM drive.

Push the OPEN button, and then press to remove the CD-ROM.

2. MAP button; refer to page 4-3.

Toggles between the intersection and the map during route guidance. Returns the setting screen to the map screen.

3. **DEST** button; refer to page 4-7.

Sets a destination using various methods.

4. ZM- / ZM+ button; refer to page 11-5.

Alters the scale of the map display.

5. JOYSTICK; refer to page 4-3.

Alters the displayed part of the map.

6. D/N button (Day/Night)

Changes display brightness.

7. OFF button

Turns off the display.

8. AUTO button; refer to page 12-3.

Displays automatic temperature control.

9. ECON button; refer to page 12-4.

The air conditioner does not activate. When you need to heat only, use the ECON button.

10. Temperature set knob; refer to page 12-3.

Changes the temperature setup.

11. to button; refer to page 12-4.

Recirculates air within vehicle.

12. to button; refer to page 12-5. Controls air flow.

13. two button; refer to page 12-5. Activates the defroster.

14. OFF button

Cancels the display relative to air conditioner or turns the automatic temperature control off.

HOW TO USE THE JOYSTICK/TOUCH SCREEN

The system's basic operation is to select (touch) the keys displayed on the screen.

The joystick is used to make selections.

Touch the key on the screen with your finger.

NOTE:

To select the key displayed on the screen, touch it lightly.

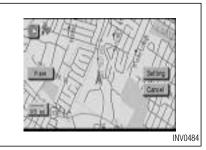
Touching the screen with hard objects such as your finger nails or a pen will damage or adversely affect the system.

Please refer to "How to handle the display" on page 11-20.

HOW TO USE THE KEYS THAT APPEAR ON THE DISPLAY

When the buttons on the control panel are pressed, the display shows keys which are used for various settings. The keys that appear on the display when each button is pressed are explained in this section, while the detailed operations of keys are explained in each section.

Keys that appear when the MAP button is pressed



After route calculation, the following keys will appear when the MAP button is pressed in the enlarged map screen to change to the map screen.

🕭 key:

This will let you choose the orientation of the map display. One is set with North up, and the other with the current travel direction up.

INFO:

You do not have a choice when the BirdviewTM display is selected.

Please refer to "Changing the display direction" on page 11-6.

View key:

This will let you choose between Birdview[™] display and Planview display.

Please refer to "Switching between BirdviewTM and planview displays" on page 11-3.

Voice key:

Provides updated voice command at the current location.

Please refer to "Requesting current voice information" on page 10-4.



Setting key:

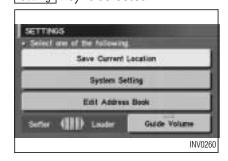
Performs various adjustments and settings to help you use the navigation system more effectively.

Cancel key:

Cancels the route guidance.

Please refer to "Turning off route guide temporarily" on page 9-5.

Keys that appear when the Setting *key is selected*



This will activate various navigational functions.

A WARNING

For safety, some of the functions on the menu will be disabled while the vehicle is moving. To use the temporarily disabled functions, park the vehicle in a safe place and shift to P or N, and set the parking brake.

To use the navigation system more effectively, various adjustments and settings can be performed.

• Select the SETTING key.

Save Current Location key:

Stores the current vehicle location in the address book.

Please refer to "Storing current vehicle position" on page 7-3.

System Setting key:

Changes various settings of the navigation system.

Edit Address Book key:

Changes the names and positions of the registered locations.

Please refer to "Setting up and editing the address book" on page 7-2.

Guide Volume key:

Adjusts or turns off volume of the voice guidance.

Please refer to "Adjusting the voice guidance" on page 10-2.

SETTINGS Select one of the following.			
Seve Carrent Location System Setting Edit Address Bask			
		Setter (11) Leader	Guide Volume

• Select the System Setting key on the [SETTINGS] screen.

	TEM SETTINGS lect one of the following	
合	Display Setting	
	Heading	
	Nearby Display Icon	
	Adjust Carrent Location	
-	Avoid Area Setting	
		INV0480

Display Setting key:

Changes the display color of the screen.

Please refer to "Changing the display color" on page 11-16.

Adjusts the screen brightness.

Please refer to "Adjusting the display brightness" on page 11-18.

Heading key:

You can set the map either to show the vehicle's current forward direction up, or to show North up.

Please refer to "Changing the display direction" on page 11-6.

Nearby Display Icons key:

Displays five types of points of interest around the current location.

Please refer to "Setting the nearby display icons" on page 6-9.

Adjust Current Location key:

Corrects the location and direction of the vehicle icon.

Please refer to "Updating the current vehicle location and the direction" on page 11-13.

Avoid Area Setting key:

Defines areas to avoid when calculating a route.

Please refer to "Avoid area" on page 8-2.

Beep on/off key:

Turns $\ensuremath{\mathsf{ON/OFF}}$ beep sound which occurs automatically.

Please refer to "Setting automatic beep sound" on page 11-19.

Clear Memory key:

Clears all the stored memory (Address Book, Avoid Area, Previous Dest.).

Please refer to "Clearing the memory" on page 4-12.

GPS Information key:

GPS information will be displayed.

Please refer to "GPS information display" on page 11-12.

Quick Stop Customer Settings key:

Sets the user-defined [Quick Stop] POI (Point Of Interest).

Please refer to "Quick stop" on page 5-26.

Route Priorities key:

Sets the conditions for route search.

Please refer to "Making the system guide the route with detailed options" on page 5-17.

Tracking key:

You can choose whether to display the path from the start to the current position.

Please refer to "Displaying the track" on page 11-11.

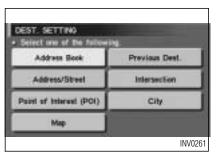
Map & A/C key:

Displays both the map and the air conditioner information at the same time (two-screen display).

Please refer to "Changing the display mode" on page 11-15.

Keys that appear when the DEST *button is pressed*

Sets destinations (final destination and waypoints) to search for a route.



This will activate various navigational functions.

WARNING

For safety, some of the functions on the menu will be disabled while the vehicle is moving. To use the temporarily disabled functions, park the vehicle in a safe place and shift to P or N, and set the parking brake.

• Address Book key:

Use this category item if you want to go to places stored in the address book.

Please refer to "Setting with Address Book key" on page 5-3.

• Previous Dest. key:

You can choose destinations from the last 10 destinations set.

For details, please refer to "Setting with Previous Dest. key" on page 5-4.

• Address/Street key:

Use this category item if you know the city name, street name and house number of the destination (waypoints).

Please refer to "Setting with Address/Street key" on page 5-6.

Intersection key:

Sets a destination using the intersection of 2 streets.

Please refer to "Setting with Intersection key" on page 5-8.

• Point of Interest (POI) key:

Use this category item if you want to go to restaurant, hotel, gas station or other facilities.

Please refer to "Setting with Points of Interest (POI) key" on page 5-11.

• City key:

Sets the destination (waypoint) on the map screen of the area around the input city.

Please refer to "Setting with City key" on page 5-11.

• Map key:

Use this category item if you want to choose the place directly on the map display.

Please refer to "Setting with Map key" on page 5-13.

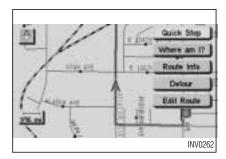
Touch keys that appear when the screen is touched

Sets the function which is convenient for the route guidance to the destination.

When the screen it touched with the map indicating the current location displayed, the following keys will appear on the screen.

INFO:

When no operations are executed after a few seconds, the keys will disappear automatically.



Quick Stop key:

Selects the destination (waypoint) from a list of 5 commonly used POI (Points of Interest).

Please refer to "Quick stop" on page 5-26.

Where am I key:

Displays the street where the vehicle is currently located, the previous intersection, and the upcoming intersection.

Please refer to "Where am I" on page 5-29.

Route Info key:

Displays the route to the destination. There are three types of display methods.

Complete Route key:

Displays all the routes from the current location to the destination.

Please refer to "Displaying the complete route to the destination" on page 11-8.

Turn List key:

Displays a list of the guidance points in all the routes to the destination on a simple map.

Please refer to "Displaying turn list" on page 11-9.

Route Simulation key:

Performs a simulation drive on the map screen by moving a vehicle icon on all the routes from the current location to the destination. Please refer to "Requesting the simulation drive to the destination" on page 11-10.

Detour key:

When the route is congested with traffic, a detour can be calculated using various distances.

Please refer to "Detouring from the route temporarily" on page 9-4.

Edit Route key:

Resets the set destination (waypoint).

Please refer to "Making the system guide the route with detailed options" on page 5-17.

Keys that appear when the map is scrolled with the joystick

You can scroll the map display and get information about the area near your vehicle and the destination using the joystick.

INFO:

• This function can be used when the original

map disc is inserted.

- You can operate this with the map display on.
- This function cannot be used when the system is calculating the route or drawing the screen.

Store Place key:

You can store the location with the cross pointer.

Please refer to "Storing current vehicle position" on page 7-3.

Destination key:

You can store the position to the destination, using the cross pointer. The maximum number of destinations is six, and the last one stored will be the final destination. (# will appear on the map to denote the selected locations from 1 to 6.) Please refer to "Making the system guide the route with detailed options" on page 5-15.

Previous key:

This has two functions.

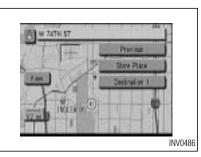
• Go back to the previous display (cancel).

If you touch this key during setup, the setup will be canceled and the display will return to the previous screen.

• Finish setup.

If you touch this key after the setup is completed, the setup will be renewed as directed, and the display will return to the map.

Decision on destination:



If you touch the map screen after moving the joystick, + will be displayed at the point you touch. It is possible to set that point as the destination (waypoint) by touching the Destination key.

HOW TO CHANGE THE DISC

INFO:

The ignition key must be in the ON or ACC position to insert or remove CDs.

This device is provided with the map CD-ROM.

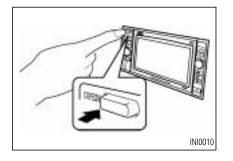
NOTE:

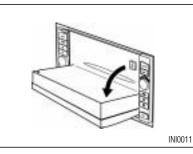
The ignition key must be in the ON or ACC position to insert or remove CDs.

How to eject/insert the disc

1. Press the **OPEN** button.

The display will tilt forward.



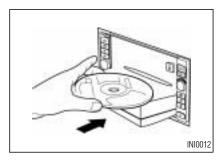


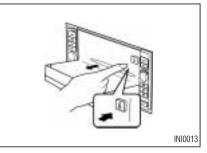
- 2. Open the display to the fully locked position.
- 3. To insert a disc:

It will be drawn in automatically. You do not have to push it in all the way.

To eject the disc:







4. Close the display.

A CAUTION

- Close the display while driving to prevent injury in an accident or sudden stop.
- Do not put any object on the open display screen.
- Do not allow the system to get wet. Excessive moisture such as spilled liquids may cause the system to malfunction.

SETTING UP THE START-UP SCREEN



When you turn the ignition key to ACC, the following warning is displayed on the screen: Read the warning and select the ENTER key. INFO:

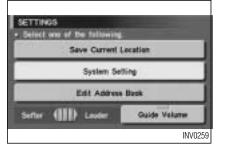
- If you do not touch the ENTER key, this system will not proceed to the next step display.
- If you do not use the navigation system, press the OFF button for the display.

• When the engine is turned off during route calculation and then turned on, the [CON-FIRMATION OF DEST./WAYPOINT] screen will be displayed after the [SYSTEM START-UP] screen. When continuing the previous route guidance, select the OK key. To edit or delete, select the Change key.

CLEARING THE MEMORY

All the stored data (Address Book, Avoid Area, Previous Dest) can be cleared.

- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.



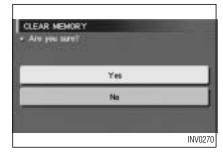
3. Select the System Setting key on the [SETTINGS] screen.

iect one of the following	
Avoid Area Setting	
Beep on/off	
Clear Memory	
Display Auto Open	
OPS Information	

4. Select the Clear Memory key.

CLEAR MEMORY • Select "Yes" is delete all the stared Address Beet Avend Area" and To Ded.	places in Tervious
Yes	
. Ne .	J
	INV0269

5. Select the Yes key.



6. When the Yes key is selected, the stored data will be cleared, and the [SYSTEM SET-TINGS] screen will appear.

ABOUT ROUTE GUIDANCE NOTE:

The navigation system does not take driving in "CAR POOL LANES" into consideration for the guidance.

NOTES ON ROUTE GUIDANCE

- The route selected by the system may not be the shortest, nor are other circumstances such as traffic jams considered.
- Because of the inevitable difference in road conditions and circumstances between the time you use this system and the time the information was produced from the CD, there may be discrepancies in roads and regulations. In such cases, follow the actual information available.
- During route calculation, the map will not scroll, however the vehicle icon will move with the actual vehicle's movement.
- During route calculation, buttons such as <u>MAP</u>, <u>DEST</u>, <u>ZM-</u> and <u>ZM+</u> and the joystick will be disabled.
- In some cases, after the calculation is complete, it may take some time to get the calculated route on the display.

- Waypoints that have been passed will not be covered by the re-routing calculation.
- If you scroll the map while the suggested route is being drawn, it may take more time to finish drawing.
- If waypoints are set, the system is calculating multiple routes between waypoints simultaneously, and the following may result.
- If one section (or more) of the routes between the waypoints is not found, none of the route will be displayed.
- The route may not connect completely at some waypoints.
- The route may require a U-turn close to some waypoints.
- Route calculation may not be completed in the following cases.
- If there is no main road within 3.1 miles (5 km) from the vehicle, a message saying so will appear on the screen. Try requesting

route calculation when the vehicle is closer to the main road.

- If there is no main road within 3.1 miles (5 km) from the destination or waypoint, a message saying so will appear on the screen. Try setting the location closer to the main road.
- If the vehicle is too close to the destination or if there are no branches of the roads to the destination. A message saying so will appear on the screen.
- If it is deemed impossible to reach the destination or waypoints because of traffic regulations, etc.
- If there is only an extremely complicated route to reach the destination or waypoints.
- If the destination, current vehicle position or waypoint is within the *avoid area*.
- If the setting of *avoid areas* covers the routes to the destination, route calculation

4-14

may not be possible.

- The following may occur when the route is being displayed.
- Even if you are requesting calculation from the main road, the origin of the route may not exactly match the current vehicle position.
- Even if you are requesting calculation to the destination on the main road, the end of the route may not exactly match the destination.
- Even if you are requesting calculation from the main road, the system may show a route from another main road. This may be because the icon to show the current vehicle position (vehicle icon) is not set accurately. In that case, park the car in a safe place and reset the vehicle icon, or continue driving to see if the vehicle icon appears on the main road before requesting route calculation again.
- There are cases in which the system shows

a detoured route to reach the destination or waypoints, if you set them from memory or facility information. In order to correct this, you will have to be careful about the traffic direction, especially when the lanes with different travel directions are shown separately. Such places are interchanges and service areas.

- This system makes no distinction between limited traffic control and total control (blockage). It may show a detoured route even if the road is usable.
- Even if the freeway preference is set to OFF, the route may be set on them. To avoid this, set a waypoint on another road type and request calculation.
- Even if the preference is set as OFF for a ferry line, the route may be set on it. To avoid this, set a waypoint on a road and request calculation.
- Ferry lines, except those which accept only

pedestrians, bicycles and motorcycles, are stored in this system. When using them, take into consideration the travel time required and operational condition to decide whether to use them or not.

ABOUT THE DISPLAY ERROR

The following cases may affect the display accuracy of the vehicle's position or travel direction. The accuracy will return to normal if the driving conditions return to normal.

- When there is a similar road nearby.

- When the vehicle is traveling on a long stretch of straight road or series of curves with a large radius.
- When the vehicle is traveling in an area with a checkerboard road system.
- --- When the vehicle is making consecutive S curves.
- --- When the vehicle is at a large Y-shaped junction.

- When the vehicle is on a loop bridge.
- When the vehicle is on a snow-covered or unpaved road.
- When the vehicle has made several consecutive turns or traveled zigzag.
- When the vehicle is rotated on a parking lot turntable while the ignition switch is OFF.
- Immediately after the vehicle is driven out of a parking garage or underground parking lot.
- When the vehicle has different sizes of tires or tire chains.
- When the vehicle is moved immediately after the engine is started.

Various ways to set the destination (or

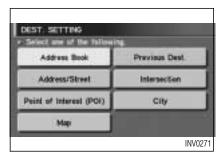
waypoint)	5-2
Seven catego	ories 5-2
	Address Book key 5-3
•	Previous Dest. key 5-4
Setting with	Address/Street key 5-6
Setting with	Intersection key 5-8
Setting with	Point of Interest (POI)
key	
Setting with	City key 5-11
Setting with	Map key 5-13

Having the system guide you to the
destinations 5-15
Making the system guide the route with
easy operation 5-15
Making the system guide the route with
detailed options 5-17
Adjusting and deleting the pre-set destination
(waypoints) 5-23
Quick stop 5-26
Where am I? 5-29

VARIOUS WAYS TO SET THE DESTINATION (OR WAYPOINT)

A WARNING

To operate the navigation system or to use the screen functions, first park the vehicle in a safe place and set the parking brake. Using the system while driving can distract the driver and may result in a serious accident.



SEVEN CATEGORIES

To set the destinations and waypoints, you can choose from the seven categories described below. Use these options to choose the best way to find the route to the destinations and waypoints.

- Address Book
- Previous Dest.
- Address/Street
- Intersection

- Point of Interest (POI)
- City

• Map

INF0:

- If you set destinations or waypoints, they will be displayed with icons.
- If you want to go to places close to the stored locations or facilities, use categories such as facility, nearby facility or memory for easier setting.
- When using either the Point of Interest (POI) or nearby Points of Interest categories, the names called up can be set as the destination if you do not scroll the screen. If you want to choose a different place on the screen from the one called up, you will have to scroll the screen.

SETTING WITH Address Book KEY

The Address Book will allow you to store locations in the memory. This is especially useful for locations that you visit frequently.

Please refer to "Setting up and editing the address book" on page 7-2.

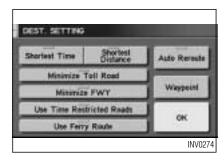
DEST. SETTING Select one of the followin	4
Address Book	Previous Dest.
Address/Street	Intersection
Paint of Interest (POI)	City
Map	

- 1. Press the DEST button.
- 2. Select the Address Book key on the [DEST. SETTING] screen.

The [DEST. SETTING (Address book)] screen will be displayed.



3. Select the item key of your destination (waypoint) on the [DEST. SETTING (Address Book)] screen to display the [DEST. SETTING] screen.



 To set the destination (waypoint), select route priorities and select OK. Refer to "Making the system guide the route with detailed options" on page 5-17.

INFO:

Use the joystick or the $rac{1}{2}$ or $rac{1}{2}$ key to scroll the display.



NOTE:

Select the Map key to display the map screen of the area around the specified destination (waypoint).

101-000	LLA AVE	_	1	- DEPOLA AS
mines Auge of	17	-	-	
11	_	<u></u>	10	EDELA ME
[s]	8		12	1003.015
13.	1		t)	
	12			-

 If necessary, operate the joystick to adjust the location of the destination (waypoint). Touch the Set key and touch the Destination key to confirm. The [DEST. SETTING] screen will be displayed. To set the destination (waypoint), refer to "Making the system guide the route with detailed options" on page 5-17.

SETTING WITH Previous Dest. KEY

This system memorizes the last 10 destinations previously chosen.

To set new destinations or waypoints from the previous destinations.

DEST. SETTING Select one of the following	4
Address Book	Previous Dest.
Address/Street	Intersection
Point of Interest (POI)	Cily
Map	

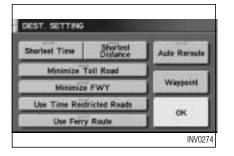
1. Press the	DEST	button.
--------------	------	---------

2. Select the <u>Previous Dest.</u> key on the [DEST. SETTING] screen.

A total of 10 destinations and locations previously set will be displayed.

	a nation	
1	N AVIATION BLVD	Map
2	W SLAUSON AVE	Map
3	W SLAUSON AVE	Map
4	W IMPERIAL HWY	Map
5	UNIONOWN STREET NAME	Map

3. Select the item key of your destination (waypoint) on the [DEST. SETTING (Previous Dest.)] screen to display the [DEST. SETTING] screen.

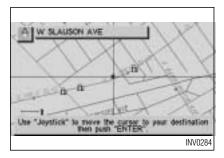


 To set the destination (waypoint), select route priorities and select OK. Refer to "Making the system guide the route with detailed options" on page 5-17.

haan	e a nartier	
- 1	N AVIATION BLVD	Mag
2	W SLAUSON AVE	Mag
3	W SLAUSON AVE	Map
4	W INPERIAL HWY	Map
5	UNKNOWN STREET NAME	May

NOTE:

To slightly after the destination, select the Map key to display the map screen of the area around the specified destination (waypoint).

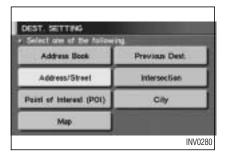


5. If necessary, operate the joystick to adjust the location of the destination (waypoint). Touch the Setting key and touch the Destination key to confirm. The [DEST. SETTING] screen will be displayed. To set the destination (waypoint), refer to "Making the system guide the route with detailed options" on page 5-17.

SETTING WITH Address/Street KEY

Sets the destination (waypoint) from the street names and addresses that you enter.

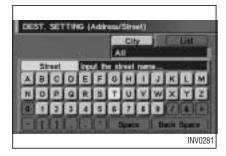
There are two search methods; direct search by the street names, and search by the street names after a city is defined.



- 1. Press the DEST button.
- 2. Select the Address/Street key.

NOTE:

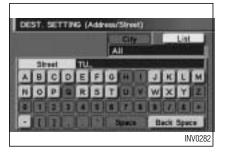
The location displayed using the house number is the vicinity of the locations corresponding to the house numbers stored in the data. It may differ from the actual location.



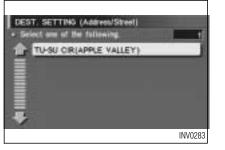
 A keyboard will be displayed on the [DEST. SETTING (Address/Street)] screen. Enter the street name you want to set.

INFO:

It is not possible to enter names if they are not stored in the CD-ROM.



- 4. Enter the street name of your destination. For example, enter T, then U.
- 5. Enter U, then select the List key. The list screen of street names which have TU at the top will appear.



- If less than 5 suggested streets remain, they will be displayed automatically.
- The city names and street names will be displayed.
- Use the joystick or the ON-SCREEN The or
 key to scroll the display.
- Select the <u>Previous</u> key on the screen to display the input screen for street names.
- 6. Select one street of your destination.

 light the 	Trouble man		54100-141
TU-SU CIR	APPLE V	ALLEY)	14100
1	2	3	Back Space
4	5	6	
7		9	Enter
	a		Map

7. Enter the house number.

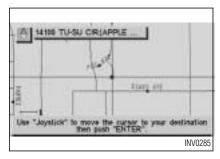
Select the Enter key to display the [DEST. SETTING] screen.

 To set destination, select route priorities and select OK . Refer to "Making the system guide the route with detailed options" on page 5-17.

NOTE:

To slightly after the destination, select the Map key to display the map of the area around the house number.

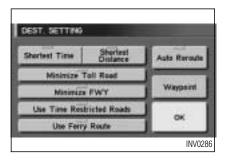
- An approximate location corresponding to the entered house number is displayed. If necessary, correct the location using the joystick.
- The location displayed by the calculation using the house number may differ from the actual location. In that case, correct the location using the joystick.



- Press the PUSH ENTER switch.
- Select the Dest. key.

INFO:

For streets with no house numbers stored in the data, the map of a typical location will be displayed.



The [DEST. SETTING] screen will appear.

Please refer to "Making the system guide the route with detailed options" on page 5-17. INFO:

When the city name is known, the street name can be defined quickly using the City key.

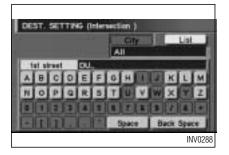
SETTING WITH Intersection KEY

This will allow you to set an intersection as a destination (waypoints).

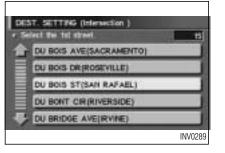
EST. SETTING Select one of the followin	4
Address Book	Previous Dest.
Address/Street	Intersection
Point of Interest (POI)	City
Map	

- 1. Press the DEST button.
- 2. Select the Intersection key.

A keyboard will be displayed.



3. Enter the first street name where the destination (waypoint) is located using the keyboard, then select the List key.



4. Select the first street name using the same procedures.

INFO:

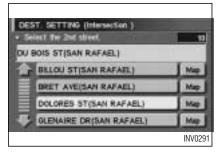
- For a road where lanes with different traffic directions are shown separately, the list shows first street name, second street name, ...
- When entering a street name, enter a minor street name as the first street and the calculation will be easier and quicker.



5. Enter the 2nd (intersecting) street name, then select the List key.

INFO:

If there are less than 5 streets which intersect the first street, they will be displayed automatically.

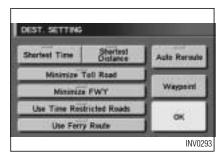


- DOLORES STISAN RAFAEL Use "Joystics" to some the spore to year declination Then push "EVIEW" INV0292
- Touch the Setting key.

INFO:

If necessary, adjust the position using the joy-stick.

• Select the Destination key.



The [DEST. SETTING] screen will appear.

To set the destination, refer to "Making the system guide the route with detailed options" on page 5-17.

INFO:

When the city name is known, the street (intersection) name can be defined quickly using the City key.

NOTE:

When the corresponding data does not

6. Select the name of the second street.

The [DEST. SETTING] screen will appear.

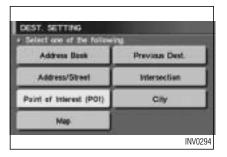
 To set the destination, select route priorities then select OK. Refer to "Making the system guide the route with detailed options" on page 5-17.

INFO:

To adjust the location of the destination, select the Map key to display the map on which the intersection is indicated.

exist under the following conditions, the street name list may not be displayed:

- A street name is being input after the City key has been selected.
- List is being displayed by selection of the List key.



SETTING WITH

Point of Interest (POI) KEY

The Nissan Navigation System includes a database of Point of Interest (POI) locations such as restaurants, hotels, and gas station. (ref. page 6-9.)

By using this feature, you can set a Point of Interest location as a destination. For details on how to use the POI feature, please refer to section 6.

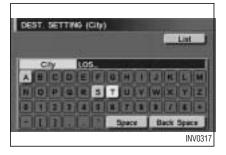
SETTING WITH City KEY

Sets the destination (waypoint) on the map screen of the area in and around the input city.

1. Press the DEST button.

Select are of the following	4
Address Book	Previous Dest.
Address/Street	Intersection
Point of Interest (POI)	City
Map	

2. Select the City key on the [DEST. SET-TING] screen.



3. Enter the characters of the city name which you wish to set as destinations (waypoints) using the keyboard on the [DEST. SETTING (city)] screen, then select the List key.

INFO:

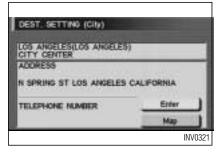
- When the List key is selected, the data of the currently-listed cities will be displayed.
- If less than 5 suggested cities remain, they will be displayed automatically.



4. Select the city name of your destination (waypoint) on the [DEST. SETTING (city)] screen will appear the [DEST. SETTING] screen.

Shortest Distance	Auto Rereste
Minimize Tall Road Minimize FWY	
Route	OK
	FWY ricled Reads

 To set the destination (waypoint), select route priorities and select OK. Refer to "Making the system guide the route with detailed options" on page 5-17.



LOS ANGELESILOS ANGEL TO MISSIES Use "Joyetick" to move the curve to your destination then path "ENTER"

INFO:

If you select the Info key in step 4, the address and telephone number of the facility will be displayed. If you select the Enter key, the [DEST. SETTING] screen will be displayed.

6. To set the destination (waypoint), refer to "Making the system guide the route with detailed options" on page 5-17.

NOTE:

If you select the Map key in step 6, the map screen of the area around the specified destination (waypoint) will be displayed.

If necessary, operate the joystick to adjust the location of the destination (waypoint). Touch the Setting key and touch the Destination key to confirm.

The [DEST. SETTING] screen will be displayed.

To set the destination (waypoint), refer to

"Making the system guide the route with detailed options" on page 5-17.

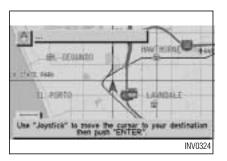
SETTING WITH Map KEY

This will enable you to zoom into the map for detail and set the desired location. This works best when you know the location geographically, or want to check the geographical surroundings on the map before setting the destinations.

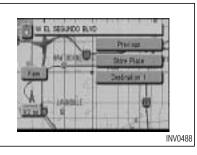
DEST. SETTING	1
Address Book	Previous Dest.
Address/Street	Intersection
Point of Interest (POI)	City
Map	
	INV032

- 1. Press the DEST button.
- 2. Select the Map key.

The map of the entire area will be displayed.



3. Operate the joystick to choose the destination (waypoint).



- 4. Adjust the location using the joystick, and touch the Setting key.
- 5. Select the Destination key. The [DEST. SETTING] screen will appear.

	and the second s	1.0	
Shortest Time	Shortest Distance	Auto Rerou	
Minimize T	ell Road	10000000	
Minimize FWY	Waypaire		
Use Time Rest	ricled Roads	J ~	
	ricled Roads	Waypoint	

6. Please refer to "Making the system guide the route with detailed options" on page 5-17.

INFO:

When the OK key is selected in the [DEST. SETTING] screen, route calculation starts. If you want to add destinations, select the Waypoint key.

HAVING THE SYSTEM GUIDE YOU TO THE DESTI-NATIONS

A WARNING

To operate the navigation system or to use the screen functions, first park the vehicle in a safe place and set the parking brake. Using the system while driving can distract the driver and may result in a serious accident.

The following two methods of system setting are available for route guidance from the current location to the destination.

- For simple route guidance, destinations can be selected directly from the map.
- Details can be selected from the menu.

MAKING THE SYSTEM GUIDE THE ROUTE WITH EASY OP-ERATION

Direct destination setting on the map makes it possible to find routes to destinations easily.

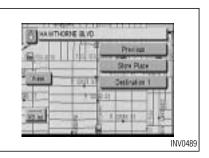
This section explains the method for setting route guidance to a destination by one waypoint setting.

1. Scroll the map using the joystick to select the destination.

Align the waypoint to the cross point on the screen, and touch the Setting key.

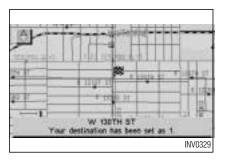
INFO:

The destination (waypoint) settings with the joystick cannot be performed in BirdviewTM display.

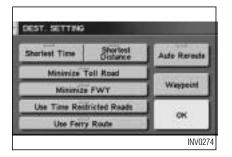


2. Select the Destination key.

The street name of the destination will be displayed and will be set as destination 1. The goal mark will be displayed on the map.



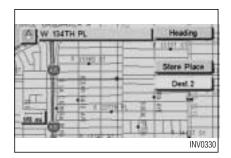
The [DEST. SETTING] screen will appear.



INFO:

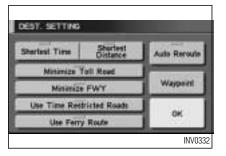
- When the OK key is selected, the system will start route calculation.
- When the Previous key is pressed or the Waypoint key is selected, the [EDIT ROUTE] screen will appear.
- 3. Press the MAP button.
- 4. Scroll the map using the joystick to select the destination.

Align the destination to the cross point on the screen, and touch the Setting key.



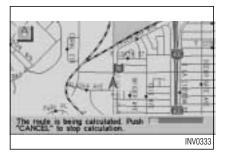
5. Select the Destination key.

The street name of the destination will be displayed, and will be set as destination 2. The goal mark of destination 1 will change to the waypoint mark, and the goal mark will be displayed at destination 2.



6. Select the OK key.

The [Route Calculation] screen will appear.



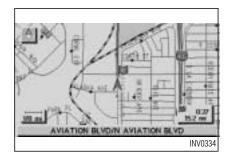
INFO:

To cancel the route calculation on the screen, select the Stop key.

The map screen will re-appear.

• The suggested route is indicated with a thick blue line.

When the vehicle travels on the route, the navigation system will start voice guidance.



 When the vehicle arrives in the neighborhood of the destination, the route guidance will end automatically with voice guidance.

MAKING THE SYSTEM GUIDE THE ROUTE WITH DETAILED OPTIONS

By choosing the destination from the menu, you can choose detailed options such as waypoints and calculation conditions and have the system guide you from the current position to the destination.

Setting the destination

First, you will have to set the destination. For now, choose a location from the map display. INFO:

There are other methods to set the destination. Please refer to "Seven categories" on page 5-2.

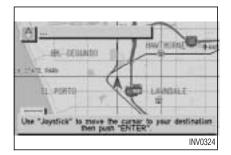
1. Press the DEST button.

The [DEST. SETTING] screen will be displayed.

Select one of the followin	u .
Address Book	Previous Dest.
Address/Street	Intersection
Point of Interest (POI)	City
Man	

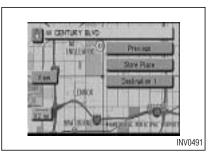


The map centering the current vehicle position will be displayed.



3. Choose the destination by scrolling the map with the joystick.

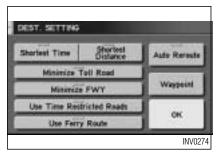
Use the cross pointer to set the destination.



- 4. After setting the destination, press the PUSH ENTER switch to display the Destination key on the screen.
- 5. Select the Destination key.

The destination will be set.

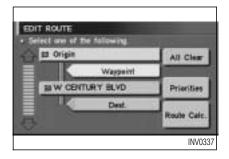
6. Set the route priorities and select the OK key to calculate the route.



INFO:

- If you select the OK key at this point, route calculation will start without any waypoints.
- Select the <u>Previous</u> key to display the [EDIT ROUTE] screen.

Setting the waypoints



After you set a destination, you can set waypoints. For now, choose a location from the map display.

INFO:

- It is possible to display the [EDIT ROUTE] screen by touch the screen and by selecting the Edit Route key.
- The maximum number of destinations and waypoints that can be set is six (6).

Please refer to "Seven categories" on page 5-2.

1. Select the <u>Waypoint</u> key or <u>Dest.</u> key on the [EDIT ROUTE] screen.

Select one of the followin	V
Address Book	Previous Dest.
Address/Street	Intersection
Paint of Interest (POI)	City
Man	

The [DEST SETTING] screen will be displayed.

 Select a waypoint destination using one of the destination selection procedures outlined earlier in the chapter.

DEST. SETTING		
Shortest Time	Shortest Distance	Auto Reroute
Minimize T	Minimize Tell Road	Para Carlos
Minimize FWY	Waypoint	
Use Time Restricted Reads		
Use Ferry	Route	
		INV027

Select the conditions with high priorities.

Select the key on the screen to turn the indicator light ON or OFF.

INF0:

- When you select the OK key at this point, route calculation will start without any additional waypoints.
- Select the <u>Previous</u> key to display the [EDIT ROUTE] screen.

Setting the priorities for route calculation

After the setting of destinations and waypoints is completed, set the calculation conditions such as route type with high priorities.

IT ROUTE electores of the following	
13 Origin	All Cisa
Waypeint	Common State
1 SEPULVEDA BLVD	Priorities
Waypeint	al Contractor
IN W CENTURY BLVD	Route Cal

1. Select the Priorities key.

The screen for setting calculation conditions will appear. The conditions with the indicator light ON will have high priority.

INFO:

It is possible to display the [EDIT ROUTE] screen by touching the screen in the map screen and by selecting the [Edit Route] key.

DEST. SETTING		_
Shortest Time	Shortes! Distance	Auto Reroute
Minimize T	all Road	1
Mininiae	FWY	l.
Use Time Real	ricled Roads	1 2442
Use Ferry	Route	
		INV03

 Select the conditions with high priorities. Select the key on the screen to turn the indicator light ON or OFF.

Shortest Time key:

The route to the destination is calculated so that you can reach the destination in the shortest time. In some cases, a freeway or toll road

with detours may be recommended.

NOTE:

It may not be the shortest time in all cases.

Shortest Distance key:

The route to the destination is calculated so that it is the shortest distance.

NOTE:

It may not be the shortest distance in all cases.

Minimize Toll Road key:

The route to the destination is calculated with minimum use of toll roads.

Minimize FWY key:

The route to the destination is calculated with minimum use of freeways.

Use Time-Restricted Roads key:

The route using time restricted roads is calculated.

INF0:

The system considers time restricted roads as whole-day restricted. When the key is set to OFF, time restricted roads will not be included in route calculation.

WARNING

When the route is calculated with this key ON, be sure to obey traffic regulations.

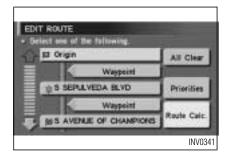
Use Ferry Route key:

Select this key if you prefer routes with ferry lines.

Auto Reroute key:

Select this key beforehand to set the auto reroute function. The route to return to the suggested route is automatically calculated again from the location when the vehicle is off the suggested route during route guidance.

Route calculation and guidance

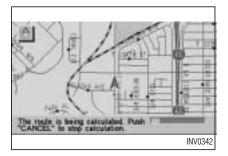


After setting all the items required, you may proceed to route calculation for guidance. After the route calculation is completed, the guidance will start automatically.

INFO:

It is possible to display the [EDIT ROUTE] screen by touching the map screen and by selecting the Edit Route key.

Select the Route calc. key.

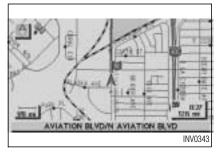


Route calculation screen will be displayed.

The suggested route will be displayed with a thick blue line. If you enter this route, the voice guide will start.

INFO:

- If you want to cancel the route calculation, select the Stop key.
- If you set a place which is not suitable as a destination, the suggested route will not be displayed. In such a case, the OK key will be displayed on the screen. Select the OK key and press the MAP button. Reset a correct destination.



• In case the route calculation is not possible with all the set preferences, the system may

look up a route that does not exactly correspond to the preferences.

• To cancel the setting of destinations or waypoints, touch the screen, then select the Edit Route key.

Enlarged intersection display

When the vehicle approaches a guide point such as an intersection, the enlarged map of the point will be displayed.



INFO:

- When no operation is executed with the enlarged map displayed, the map stays displayed.
- If route numbers are included in the map data, route numbers will be displayed on the left side of the screen.
- If street names are displayed in two lines, route numbers will not be displayed.

NOTE:

- When the guide point is close to the guidance start point, the enlarged map may not be displayed.
- The guide point name may not be displayed.

- The position of the vehicle icon (red circle) on the enlarged map may differ from the position on the current display.
- 1. Press the MAP button.

The map screen will appear.



INFO:

To display the enlarged map, press the MAP button.

2. When the vehicle arrives at the neighborhood of the destination, the route guidance will end automatically with voice guidance.

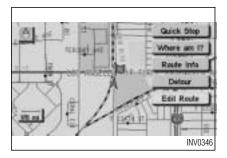
INFO:

To alternate between the map and the enlarged screen, press the MAP button or touch the screen.

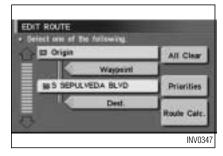
ADJUSTING AND DELETING THE PRE-SET DESTINATION (WAYPOINTS)

Using the joystick, you can adjust the destination (waypoints).

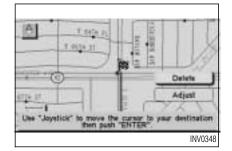
1. Touch the screen.



2. Select the Edit Route key.



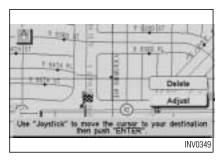
3. Choose the destination (waypoints) you want to adjust on the [EDIT ROUTE] screen.



 The map screen will be displayed for adjusting. Use the joystick to adjust the location.

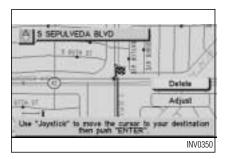
INFO:

When you move the joystick, the Adjust key will be displayed.

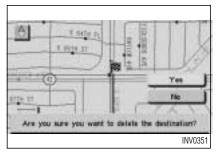


5. Select the Adjust key.

The new destination (waypoints) will be set.

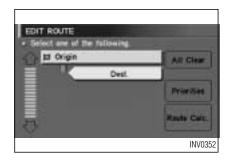


6. To delete the destination (waypoint), choose the destination (waypoint) in step 3 and select the Delete key.



7. Select the Yes key.

The pre-set destination (waypoints) will be deleted.

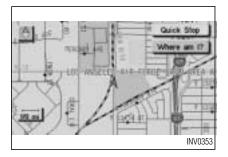


8. Press the Map button to return to the map screen.

INFO:

- To set a new destination (waypoints), refer to "Seven categories" on page 5-2.
- If you reset the new destination (waypoints), the older destination (waypoints) will be deleted. If you have requested a route calculation, the previous suggested route will be deleted from memory.

• To delete all the suggested routes, select the All Clear key.



QUICK STOP

The system will display pre-defined POI's (Points of Interest) in the current vicinity of the vehicle and the distances to them. These POI's can be gas stations, hotels, restaurants, ATM's or customer-programmed facilities. This function will operate while the vehicle is moving. 1. Touch the screen.

The display shows several keys on the right of the screen.

Select the Quick Stop key.

QUICK STOP	
Griect and of the following. ATM (CASH)	1
GAS STATION	٦
RESTAURANT	٦
HOSPITAL	
AMUSEMENT PARK(USER DEFINED)	
INV	0354

2. The display shows the [QUICK STOP] screen.

Select the category of your choice.

INFO:

Five categories are displayed on the screen. The lowest one can be customized. When you set facility you frequently visit as a destination (waypoint), it is convenient to use the quick stop function. Please refer to "Quick stop customer setting" on page 5-27.

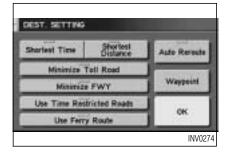
GUICK STOP School one of the following culone types	
All	
Fast Food	1
	INV0483

3. The cuisine selection screen is displayed only when the RESTAURANT key is selected. Select the All key or Fast Food key.

153	iect one of the following.			
	DENNY'S(EL SEGUNDO)	*	0.2 mi	1
	CHAPPES RESTAURANT & B	-	0.4 mi	1
	HECTOR'S MEXICAN FOOD(L	*	0.6 mi	J
	THAI DISHES RESTAURANT(*	0.5.mi	J
	HAPPY GARDENLOS ANGEL	4	0.6 mi	1

4. The display shows the direction and distance from the current vehicle position to the selected facility.

Select the facility name you want to set as a destination (waypoint).

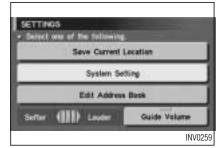


5. The display shows the [ROUTE PRIORI-TIES] screen.

Set route priorities, then press the OK key. The route calculation to the destination will be started.

INFO:

If quick stop is set after the destination was set, the system starts the route calculation to the location as the waypoint. Five waypoints can be registered at the same time.



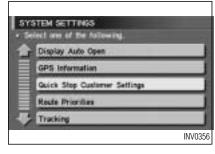
Quick Stop Customer Setting

1. For example, set "RESTAURANT".

Change to the current vehicle location screen.

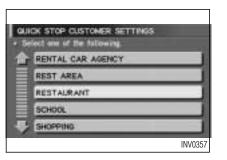
Select the Setting key.

2. Select the System Setting key on the [SETTINGS] screen.



3. Select the

Quick Stop Customer Settings key on the [SYSTEM SETTINGS] screen.

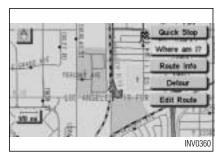


4. Select a facility you frequently visit. For example, select the <u>RESTAURANT</u> key. When it is set, the screen returns to the previous screen.

Press the MAP button to return to the map.

QUICK STOP	
· Select one of the following.	
ATM (CASH)	
GAS STATION	
RESTAURANT	-
HOSPITAL	
RESTAURANT/USER DEFINED)	
	INV035

5. When the map is displayed, touch the screen. Then, select the Quick Stop key, and press the PUSH ENTER switch. The display shows the selected facility in the last low.

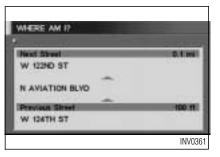


WHERE AM I?

This key is used to find the name of the street on which the vehicle is currently located.

1. Touch the screen.

Several keys appear on the right of the screen. Select the Where am I? key.



2. The display shows the [WHERE AM I?] screen which includes the next, current, and previous streets. Each one shows the streets which the vehicle is approaching, currently running on, and those past. Press the MAP or PREVIOUS button to return to the map.

6 HOW DO I USE THE POINT OF INTEREST (POI) FEATURE?

	of Interest (POI) key 6-2
Setting with the	List key 6-2
Setting with the	Category key 6-4
	City key 6-6
Setting with the	Nearby key 6-7
POI categories	

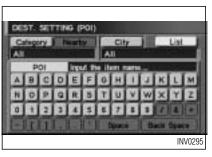
SETTING WITH

Point of Interest (POI) KEY

The keys in Point of Interest (POI) are List, Category, Nearby, and City, explained below.

Select one of the followin	U.
Address Book	Previous Dest.
Address/Street	Intersection
Paint of Interest (POI)	City
Man	

- 1. First press the DEST button.
- 2. Select the Point of Interest (POI) key on the [DEST. SETTING (POI)] screen.



SETTING WITH THE List KEY

The List key is used when you know the names of the destinations and waypoints.

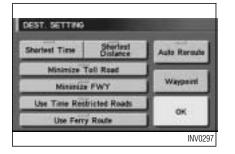
1. Input the facility name for your destination.

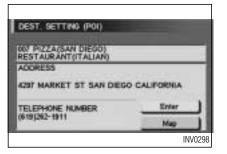
INFO:

When names of facilities or cities are input, if the system detects that the number of corresponding facilities or cities is five or less, the display shows the list screen automatically.

DES	iT. SETTING (PCI) lect are of the following	2560
4297	MARKET ST SAN DIEGO CALIFORI	AlA
53	002 SERVICE(SAN LEANDRO)	linta
	007 PIZZA(SAN DIEGO)	into
	1 \$ OUTLET (BELLFLOWER)	liste
-	1 CHINESE FOOD (INGLEWOOD)	into
		INV0296

2. The display shows the screen to select a facility or Info. key.

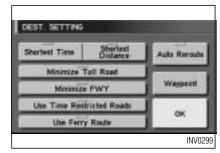




3. When a facility name is selected, the display shows the [DEST. SETTING] screen to set the destination.

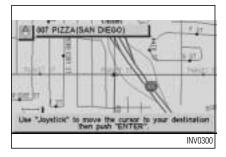
Set priorities, select the OK key. Then, the route calculation will be started. When you alter the destination or set waypoints, select the Waypoint key. Please refer to "Making the system guide the route with detailed options" on page 5-17. INFO:

When the <u>Info.</u> key next to the facility name of your choice is selected in step 2, the display shows the detailed [Address] and [Phone number] of the selected facility, and the <u>Enter</u> and <u>Map</u> key.

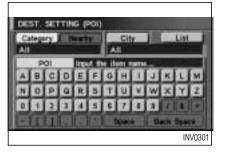


• When setting the facility as the destination, select the Enter key. The display shows the [DEST. SETTING] screen to set the destination.

Set priorities and select the OK key. Then, the route calculation will be started. When you alter the destination or set waypoints, select the Waypoint key. Please refer to "Making the system guide the route with detailed options" on page 5-17.



• When the <u>Map</u> key is selected in step 4, the display shows the map. When the PUSH ENTER switch is pressed, the display shows the <u>Dest.</u> key.



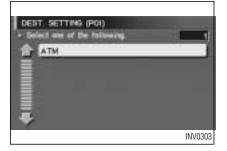
SETTING WITH THE Category KEY

The <u>Category</u> key is used when you select a facility category to set the destination.

1. Select the Point of Interest (POI) key on the [DEST. SETTING (POI)] screen. Select the Category key.



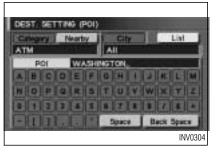
 The display shows the screen to select categories. Input a category name.



3. The display shows the category list. Select a category name.

INFO:

When a <u>RESTAURANT</u> key is selected, the screen to input the cuisine type will be displayed.



4. The screen returns to the [DEST. SETTING (POI)] screen.

When the category is set, the display shows the selected category under the Category key.

Input the facility name.

INFO:

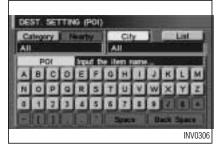
• If you do not know the facility name you want to go to, select the List key so that the facility names in the category will be listed in alphabetical order.

 It may take some time to show the list, depending on categories.

DES	IT. SETTING (POI)	
	fect are at the following.	335
103 50N	S CLOVERDALE BLVD CLOVERDALE	
合	WASHINGTON MUTUAL BANKICL	linta
	WASHINGTON MUTUAL BANKISA	Into
	WASHINGTON MUTUAL BANK(SC	late
-	WASHINGTON MUTUAL BANKICU	Into
		INV0305

 When a facility name is input, the system retrieves the facility name according to the selected category and the input letters. Then, the display shows the screen to select a facility and <u>Info.</u> key.

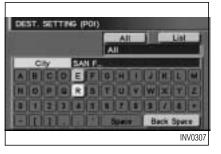
Please refer to "Setting with the List key" on the previous section.



SETTING WITH THE City KEY

The City key is used to retrieve a facility from the specified city to set the destination.

- 1. Select the Point of Interest (POI) key on the [DEST. SETTING (POI)] screen. Select the City key.
- The display shows the screen to retrieve cities.



2. Input a city name.

DES • 54	T. SETTING (POI) lect are of the following cilies. SAN FRANCISCO (COUNTY)	1
	SAN FRANCISCO	
*		INV0308

3. The display shows the city list.

Select a city of your choice.



 The screen returns to the [DEST. SETTING (POI)] screen.

When the city is set, the display shows the selected city under the City key. Input the facility name of your choice.

INFO:

 If you do not know the facility name, select the <u>Category</u> key to retrieve a facility. When the facility is set from the <u>Category</u> key, the display shows the selected facility

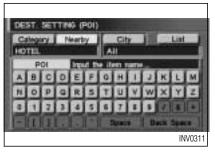
under the Category key.

 It may take some time to show the list, depending on categories.



5. When the facility name is input, the system retrieves the facility name according to the selected city and the input letters. Then, the display shows the screen to select a facility and <u>Info.</u> key.

Please refer to "Setting with the List key" in the previous section.



SETTING WITH THE Nearby KEY

The Nearby key is used to retrieve a facility within 25 miles (40 km) from the current vehicle location.

- 1. Select the Point of Interest (POI) key on the [DEST. SETTING (POI)] screen.
- 2. Set category according to page 6-4.
- 3. Select the Nearby key.

INFO:

• Facilities of selected category will be listed

in order by nearest distance.

• The Nearby key is available only when a category is set. Set a category first.

DEST	T. SETTING (POI)	
• Sel	ect one of the following.	50
合	LA PLAZA INTERNATI 🎓 0.3 mi	Into
	TWIN TOWERS MOTE 🎓 8.4 mi	linto
	RAMADA PLAZA HOT 🛬 8.5 mi	into
	RENAISSANCE HOTEL 🦛 9.7 mi	linte
-	DOUBLETREE CLUB H 🦛 0.8 mi	Into
		INV0312

• When there are any nearby facilities based on the selected category, the display shows the list of facility names, directions and distance from the current vehicle location, and Info keys.

Please refer to "Setting with the List key" in the previous section.

POI CATEGORIES

AIRPORT AMUSEMENT PARK ATM AUTO SERVICE & MAINTENANCE AUTOMOBILE CLUB BANK BORDER CROSSING BOWLING CENTER BUS STATION BUSINESS FACILITY CASINO CITY CENTER CITY HALL COLLEGE AND UNIVERSITY COMMUNITY CENTER COMMUTER RAIL STATION CONVENTION/EXHIBITION CENTER COURT HOUSE

FERRY TERMINAL GAS STATION GOLF COURSE GROCERY STORE HISTORICAL MONUMENT HOSPITAL HOTEL ICE SKATING RINK INFINITI DEALER LIBRARY MARINA MOVIE THEATER MUNICIPAL AIRPORT MUSEUM NIGHTI IFF NISSAN DEALER PARK & RIDE

PARK/RECREATION AREA PARKING GARAGE PARKING LOT PERFORMING ARTS POLICE STATION RENTAL CAR AGENCY REST AREA RESTAURANT SCHOOL SHOPPING SKI RESORT SPORTS CENTER SPORTS COMPLEX TOURIST ATTRACTION TOURIST INFORMATION TRAIN STATION WINFRY

Setting the nearby display icons

Five types of facilities can be displayed on the map using respective icons, including:

- ATMs
- Gas stations
- Hotels
- Restaurants
- Rest areas
- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.

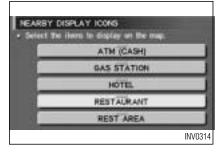
SETTINGS Select one of the following	
Save Current I	Location
System Se	ting
Edit Address	Besk
Setter ()) Louder	Guide Volume

3. Select the System Setting key on the [SETTINGS] screen.

	ITEM SETTINGS	
合	Display Setting	
	Heading	
	Nearby Display Icons	_
	Adjust Current Location	1
-7	Avoid Area Setting	
		INV0313

4. Select the Nearby Display Icons key on the [SYSTEM SETTINGS] screen.

The [NEARBY DISPLAY ICONS] screen will be displayed.



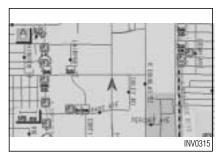
5. Select the facility you wish to display, and press the PUSH ENTER switch.

INFO:

Every time the PUSH ENTER switch is pressed, the indicator lights of the items are turned ON and OFF alternately.

ON: To display nearby icons.

OFF: To stop displaying nearby icons.



• The icons of the selected facilities will be displayed.

INFO:

When the MAP button is pressed, the current location will be displayed.

When the **PREVIOUS** button is pressed, the previous screen will re-appear.

6-10

Setting up and editing the address book 7-2
Setting up the address book 7-2
Confirming the stored locations
Editing the address book 7-5
Adjusting the stored address book
entries
Deleting stored locations 7-11

SETTING UP AND EDITING THE ADDRESS BOOK

You can store locations in the address book for quicker access, or name the location and set a special icon on the map.

SETTING UP THE ADDRESS BOOK

You can store your favorite places or the places you frequently visit. By storing them, you can call them quickly on the display, enabling easier setting of these destinations.

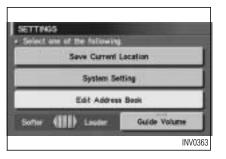
Using various categories to store locations

You can choose various categories in the menu to store the locations. The categories are: Address/Street, Points of Interest (POI), Map, Intersection, City and Previous dest.

1. Change to the current vehicle map.

Select the Setting key on the screen.

7-2



2. Select the Edit Address Book key.

EDIT	ADDRESS BOOK	
• Che	ne a natitet.	10 10
合	7 D UNKNOWN STREET NAME	Map
	E 😳 1-105 EAST "CENTURY FWY	Map
	D Q N AVIATION BLVD	Мар
	19 🖵 E MAPLE AVE	Map
-	tt None	Map
		INV0364

The [EDIT ADDRESS BOOK] screen will be displayed.

3. Choose the storing number from the unused number list.

EDIT ADDRESS BOOK • Select one of the following Previous Dest. Address/Street Paint of Interest (POI) Map INV0365

4. Store location.

Set a location to be stored in the same way as when setting destinations (waypoints).

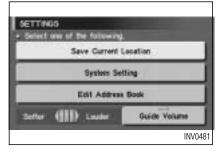
Please refer to "Seven categories" on page 5-2. INFO:

- Press the MAP button to go back to get the current vehicle display.
- The maximum number of the stored locations is 50, including your home and office.
- If you want to store places close to

POI, it is quicker to use the Points of Interest (POI) key.

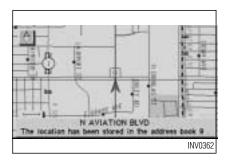
Storing current vehicle position

- 1. Change to the current vehicle map.
- 2. Select the Setting key.



3. Select the Save Current Location key.

The storing number will be displayed at the vehicle icon on the screen, and the current location of the vehicle will be stored.



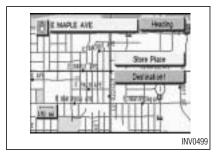
INFO:

HOW DO I USE THE ADDRESS BOOK FEATURE?

- If the number of the stored locations exceeds 50, a message will appear "Memory is full. Delete old one to store new one".
- If you store more than one location at the same place, the location with the largest stored number will be displayed.
- If you store the location by the location store function, the stored name may differ, depending on the scale used in the display.
- The smallest and unused number will be

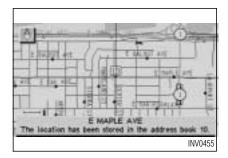
assigned to the newly set location.

Storing locations of your choice



You can use the joystick to store desired locations.

- 1. Scroll the map to the desired location with the joystick, then press the PUSH ENTER switch. The display shows several keys on the right of the screen.
- 2. Select the Store Place key.



The registered number will be displayed at that location on the map.

INFO:

Press the MAP button or select the Previous key to go back to get the current vehicle display.

CONFIRMING THE STORED LOCATIONS

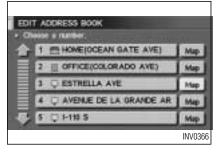
To confirm that the locations have been stored:

1. Change to the current vehicle map.

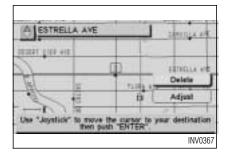
Select the Setting key on the screen.

SETTINGS • Select are at the following			
Seve Current Location			
System Set	System Setting		
Edit Address Book			
Surter ()) Louder Guide Volume			
	INV0363		

2. Select the Edit Address Book key.



3. Choose the Map key next to the location that you want to confirm.

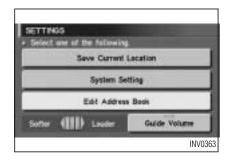


The stored location will be displayed on the map.

INFO:

- If you want to confirm several stored locations, select the Previous key.
- To go back to the map display, press the MAP button.

EDITING THE ADDRESS BOOK



You can alter the names or the icons of the stored locations.

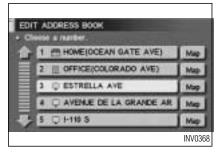
Changing stored names

1. You can alter the names of the stored locations.

Change to the current vehicle location screen.

Select the Setting key on the screen.

2. Select the Edit Address Book key.

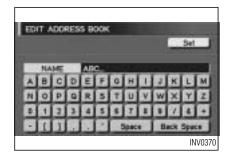


3. Choose the stored location you want to change the name of.

	XORESS BOOK	
3 Q E	STRELLA AVE	1
	Renante	
	Landmark Icon	
	Delete	- 22
		INV0369

4. Select the Rename key.

The change name screen will be displayed.



5. Select the Set key after entering the new name.

INFO:

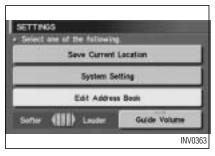
To go back to the map display, press the MAP button.

Changing the icons

1. You can display the icon at a stored location.

Change to the current vehicle location screen.

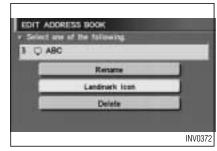
- 2. Select the Setting key.
- The [SETTINGS] screen will be displayed.



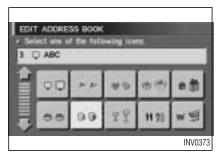
3. Select the Edit Address Book key.



4. Choose a stored location where you want to set the icon.



5. Select the Landmark Icon key.



6. Choose an icon.

The left one on the key is a planview icon and the right one on the key is a BirdviewTM icon.

The icon of the stored location will be set.

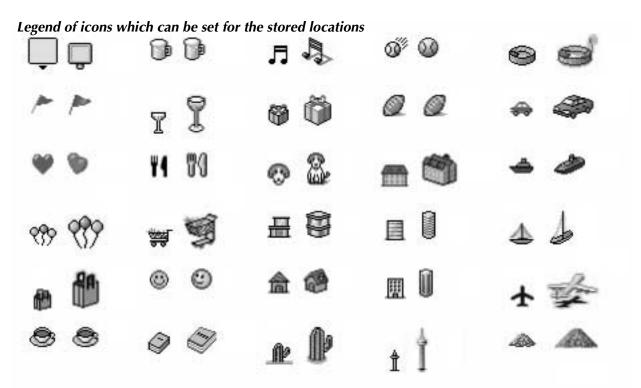
_	T ADDRESS BOOK lect one of the following,	
3) ABC	
	Rename	
	Landmark Icon	
	Delete	
		INV0374

INFO:

- To go back to the screen displaying the current vehicle position, press the MAP button.
- If you select the <u>Previous</u> key, the screen will go back to the one in procedure 5.
- If you alter the icon of the stored location,

7-8

the icon on the map will also change.



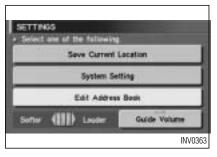
INV0251

ADJUSTING THE STORED AD-DRESS BOOK ENTRIES

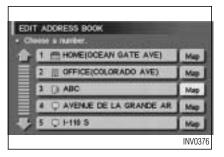
You can easily adjust the point of the stored location by the joystick.

- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.

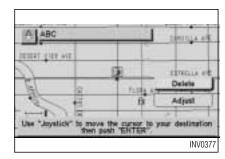
The [SETTINGS] screen will be displayed.



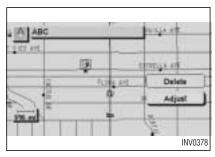
3. Select the Edit Address Book key.



4. Choose the Map key next to the stored location you want to adjust.



5. Use the joystick to set the new location.



6. Select the Adjust key.

7-10

The location is updated, and the screen goes back to the one in step 5 after the update message is shown.

INFO:

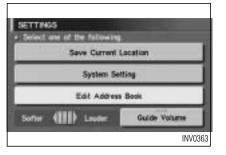
To go back to the screen displaying the current vehicle position, press the MAP button.

DELETING STORED LOCA-TIONS

You can delete from memory the stored locations you no longer need.

- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.

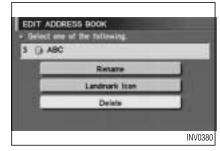
The [SETTINGS] screen will be displayed.



3. Select the Edit Address Book key.

Choose a nartier,	
1 m HOMEIOCEAN GATE AVE)	Map
2 III OFFICE(COLORADO AVE)	Мир
3 (j) ABC	Map
4 🗘 AVENJE DE LA GRANDE AR	Map
5 0 1-110 5	Map

4. Select the location you want to delete.



5. Select the Delete key.

EDIT ADDRESS BOOK	
ABC	
Yes	
No	
IN	V0381

6. The system will ask for a confirmation. If

correct, touch the Yes key. The location will be deleted, and the screen goes back to the one in step 4 after the deletion message is shown.

INFO:

To go back to the screen displaying the current vehicle position, press the MAP button.

Avoid area	8-2
Setting avoid areas	8-2
Altering and deleting the avoid areas	

AVOID AREA

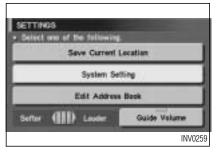
SETTING AVOID AREAS

Setting avoid areas will give you a route around certain areas.

INFO:

If the vehicle icon is in the avoid area, route calculation cannot be completed.

- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.



3. Select the System Setting key.

	STEM SETTINGS lect one of the following	
合	Nearby Display Icons	
	Adjust Current Location	
	Avaid Area Selling	
	Beep on/att	
-	Clear Meriory	
		INV0382

4. The display shows the [SYSTEM SET-TINGS] screen.

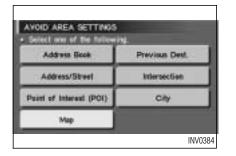
Select the Avoid Area Setting key.

27696	e a number.	
	TUMIN RD	Map
	ALTA ST	Map
1	S AVENUE 21	Map
E	LONG BEACH AVE	Map
1 1	None	E Ma

5. The display shows the [AVOID AREA SET-TING] screen.

Select a key which is not set as an avoid area. INFO:

It is possible to set up to 10 areas.



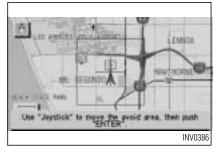
6. The display shows categories which can be used to set an avoid area.

For example, use the <u>Map</u> key to set an avoid area.

Select the Map key.

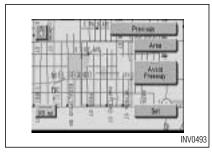
INFO:

For setting with other categories, please refer to "Seven categories" on page 5-2.



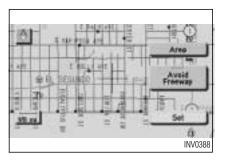
7. The display shows the map which centers the area to be set as an avoid area.

Use the ZM+ or ZM- button to adjust the map reduction scale.



8. Use the joystick to adjust the location. INFO:

Area size: Max. 5 x 5 miles (8 x 8 km)

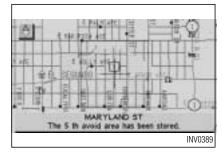


9. The display shows the keys on the right of the screen.

Select the Set key.

INFO:

- If you want to avoid the freeway in that area, select the Avoid Freeway key to turn on the green indicator on the key. (Indicator ON: avoid, OFF: do not avoid)
- When altering the size of the avoid area, touch the <u>Area</u> key. The area size is altered by three scales.



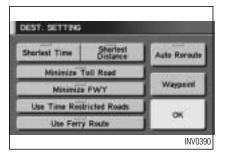
• The avoid area is set, and the grid will be displayed on the screen.

INFO:

The grid color will be displayed in green or blue.

(Avoid Freeway ON: green, OFF: blue)

If the route guidance is set, the display shows the [DEST. SETTING] screen.



• Please refer to "Making the system guide the route with detailed options" on page 5-17.

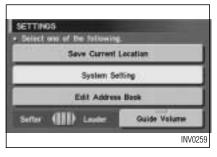
If the route guidance is not set, the display shows the current vehicle location.

ALTERING AND DELETING THE AVOID AREAS

Setting with the selected location key

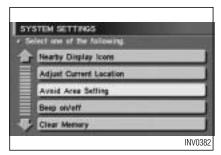
When the stored avoid area is selected, the avoid area can be renamed or deleted.

- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.



Renaming the avoid areas

3. Select the System Setting key.



4. The display shows the [SYSTEM SET-TINGS] screen.

Select the Avoid Area Setting key.

ouse a number.	
1 TUMIN RD	Maj
2 ALTA ST	Mag
3 S AVENUE 21	Mag
4 MORGAN AVE	Map
5 MARYLAND ST	Mag

5. The display shows the [AVOID AREA SET-TING] screen.

Select a key which is set as an avoid area.

AVOID AREA SETTINGS • Detect are of the following 2.4 ALA 51 Include FreewayON	
Retarte	
Delete	Ĩ
	INV0394

6. Select the Rename key.

ÂŴ	0ID	AR	EA.	SET	TIN	65					-	
											Set	
	NA	ME		AB	CD.							
*	в	C	D	E	F	0	н	1	1	к	L	м
Ň	0	p	0	R	5	Ŧ	U	٧	W	x	Y	z
	1	2	3	4	5	5	7	1		1	4	+
-	1	1					law		-	-	Spe	
	-	-		and the second se		-					IN	V039

7. The display shows the keyboard.

Enter the area name using the keyboard.

When the Set key is selected, the avoid area is renamed, and the screen returns to the previous screen.

INFO:

When the Back Space key is selected, the cursor moves back to the previous letter. When the Space key is selected, the cursor proceeds to make one space.

AVOID AREA SETTINGS • Select one of the following, 2 (ASCO) Include FreewayON	
Rename	
Delete	
	INV0396

Deleting the avoid areas

1. Select the Delete key on the screen in step 6 under "Renaming the avoid areas".

AVOID AREA SETTINGS	
Do you want to delete the avoid arout ABCD	a
Include FreewayOfi	_
	_
he	
	INV0397

2. Select the Yes key.

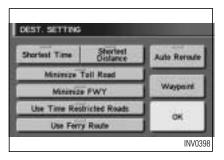
The avoid area is deleted.

If the route guidance is set, the display shows the [DEST. SETTING] screen.

INFO:

When the No key is selected, the avoid area

will not be deleted, and the screen returns to the previous screen.



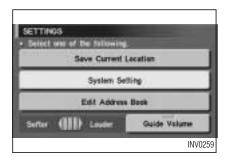
3. Please refer to "Making the system guide the route with detailed options" on page 5-17.

If the route guidance is not set, the display shows the current vehicle location.

Setting with Map key

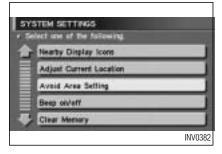
When the stored avoid area is selected, the avoid area can be adjusted or deleted.

- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.



Adjusting the stored avoid areas

3. Select the System Setting key.



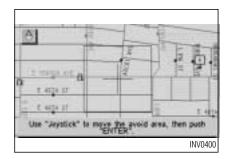
4. The display shows the [SYSTEM SET-TINGS] screen.

Select the Avoid Area Setting key.

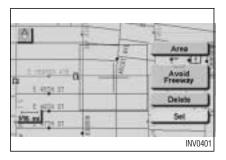
100	e a rander-	
1	LUCERNE AVE	Map
2	W ANAJEM ST	Mag
3	S AVENUE 21	Map
4	MORGAN AVE	Mag
5	None	E Mar

5. The display shows the [AVOID AREA SET-TING] screen.

Select the Map key of stored avoid areas.



6. Use the joystick to adjust the location.



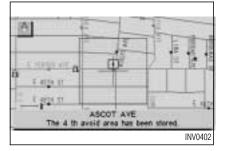
7. The display shows the keys on the right of the screen.

Select the Set key.

INF0:

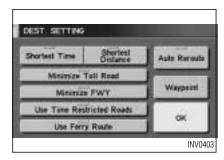
- If you want to avoid the freeway in that area, select the reeway key to turn on the green indicator on the key. (Indicator ON: avoid, OFF: do not avoid)
- When altering the size of avoid area, select the Area key, then touch the

Area key. The area size is altered by three scales.



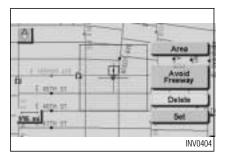
8. The avoid area is set, and the grid is displayed on the screen.

If the route guidance is set, the display shows the [DEST. SETTING] screen.



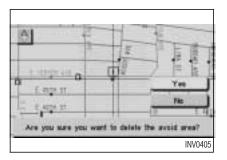
 Please refer to "Making the system guide the route with detailed options" on page 5-17.

If the route guidance is not set, the display shows the current vehicle location.



Deleting the stored avoid areas

1. Select the Delete key on the screen in step 7 under "Adjusting the stored avoid areas".



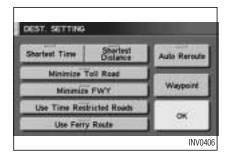
2. Select the Yes key.

The avoid area is deleted.

If the route guidance is set, the display shows the [DEST. SETTING] screen.

INFO:

When the No key is selected, the avoid area will not be deleted, and the screen returns to the previous one.



 Please refer to "Making the system guide the route with detailed options" on page 5-17.

If the route guidance is not set, the display shows the current vehicle location.

Rerouting when the vehicle is off the	
suggested route	9-2
Automatic rerouting	9-2
Manual rerouting	9-3
Detouring from the route temporarily 9	9-4
Turning off route guidance temporarily 9	9-5

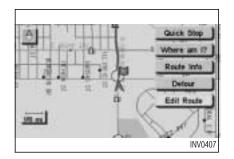
RE-ROUTING WHEN THE VEHICLE IS OFF THE SUG-GESTED ROUTE

When you have strayed from the suggested route during the route guide, you can request a re-route from the current location. You can request either automatic or manual re-routing.

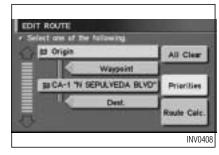
AUTOMATIC REROUTING

This setting will re-route automatically if the driver turns off the suggested road. The auto re-route will bring the vehicle to the destination. You will have to set the system for automatic re-routing.

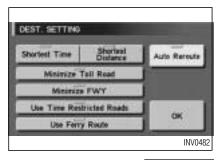
1. Touch the screen.



2. Select the Edit Route key. The [EDIT ROUTE] screen will appear.



3. Select the Priorities key.



When the indicator light in the Auto Reroute

is not OFF, touch the Auto Reroute key. The indicator light will be ON.

4. Press the MAP button.

The map screen will re-appear, and the system will start route calculation automatically.

INFO:

- When optional routes are not found, the original route will be displayed.
- When the vehicle runs off the suggested route with the automatic re-routing function set off (the indicator lights in the items are OFF), touch the map screen to display the Reroute key.

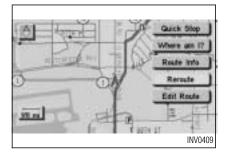
When the <u>Reroute</u> key is selected, the system will start route calculation from the current location.

 When the vehicle runs off the suggested route with the automatic re-routing function activated, route calculation will be attempted so that the vehicle goes back to the original route. However, if the vehicle stays off the route, the system will calculate a new route.

MANUAL RE-ROUTING

When the automatic re-routing function is canceled, the route calculation can be started by manual operation.

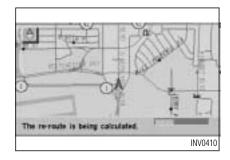
This function is very effective when you turn off the suggested route intentionally, and have the system calculate a new route.

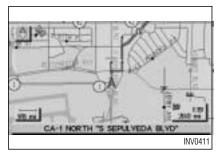


1. Touch the map screen.

Then select the Reroute key.

The system calculates the route from the current vehicle location to the destination.





INFO:

- The Reroute key is alternated with the Detour key only when the automatic reroute function is turned off, and the vehicle is off the suggested route during the route guidance. The Detour key is ordinarily displayed on the screen.
- When the destination (waypoint) is altered, a new route should be calculated first. Otherwise, the re-routing function will not be available.

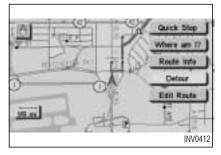
DETOURING FROM THE ROUTE TEMPORARILY

If you encounter a traffic jam, you can ask the system to calculate a detour with the pre-set distance.

NOTE:

The detour feature is only available when a destination has been set.

1. Touch the screen to display the Detour key.



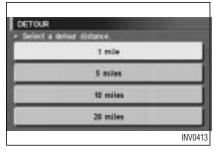
2. Select the Detour key.

The [DETOUR] screen will be displayed.

INFO:

The Detour key is displayed only when going on the suggested road. The Detour key is replaced by the Reroute key only when the auto re-routing is set off, and when the vehicle is off the suggested route.

The route info, detour, edit route, and route calc keys are not displayed when the destination is not set, route guidance is turned off, or the vehicle reaches the destination.



TURNING OFF ROUTE GUIDANCE TEMPORARILY

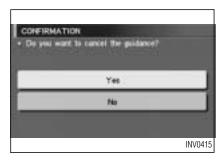
You can turn off the route guide temporarily when you do not need it.

1. Change to the current vehicle location screen.

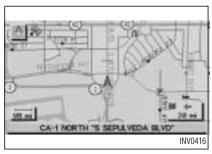
Keys will be displayed on the screen.

2. Select the Cancel key.

The [CONFIRMATION] screen will be displayed.



3. Select the Yes key.



3. Set distance for detour calculation.

The system will look for a detour according to the distance set from the current location.

INFO:

- If an alternative route cannot be found, the previous route before calculation will be displayed.
- If the vehicle is traveling at high speed, the suggested detour may start from the point the vehicle has already passed.

HOW DO I USE THE AUTOMATIC REROUTING FEATURE?

The map screen will appear, and the suggested route will disappear.

INFO:

- Even when the route guidance is cancelled, the routes which have been found are stored.
- To restart route guidance, touch the Voice key.

About voice guidance 10-2
Basics of voice guidance 10-2
Adjusting the guide volume 10-2
Directions given and the distance to the
road points 10-3
Notification of an intersection on an
ordinary road 10-3
Notification of consecutive intersections on
an ordinary road 10-3
Notification of an entrance to a
freeway 10-3
Notification of a freeway junction 10-3
Notification of an exit from a
freeway 10-3
Requesting current voice information 10-4
Notes on the voice guidance 10-4

ABOUT VOICE GUIDANCE

WARNING

To operate the navigation system or to use the screen functions, first park the vehicle in a safe place and set the parking brake. Using the system while driving can distract the driver and may result in a serious accident.

BASICS OF VOICE GUIDANCE

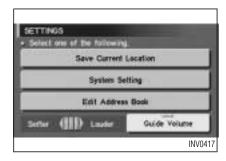
The Voice Guidance will verbally tell you which direction to turn when the vehicle approaches the intersection in which you have to make a turn to reach the destination.

NOTE:

The navigation system does not take driving on "CAR POOL LANES" into consideration for the guidance.

- There may be some cases in which the voice guidance and the actual road conditions do not correspond. This may occur because of discrepancies between the actual road and the information on the CD or due to the vehicle's speed.
- In case the content of the voice guidance does not match the actual road conditions, follow the information obtained from traffic signs or notices on the road.

ADJUSTING THE GUIDE VOL-UME



- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.
- 3. When turning on/off the Voice Guidance, touch the Guide Volume key. When the Guide Volume key is illuminated by the green indicator, it is activated. When turning up/down the voice guidance, touch the Louder or Softer key. The voice will

become louder/softer.

DIRECTIONS GIVEN AND THE DISTANCE TO THE ROAD POINTS

Depending on the road types, the direction will differ.

INFO:

Depending on the vehicle speed, the distance may vary.

NOTIFICATION OF AN INTER-SECTION ON AN ORDINARY ROAD

"In a half mile, right turn."

"In a quarter mile, right turn."

"Right turn ahead."

NOTIFICATION OF CONSECU-TIVE INTERSECTIONS ON AN ORDINARY ROAD

"In a half mile, right turn."

"In a quarter mile, right turn, then right turn."

"Right turn, then right turn."

NOTIFICATION OF AN EN-TRANCE TO A FREEWAY

"In about one mile, freeway entrance on your right (left) onto (road number and direction)."

"Freeway entrance on your right onto (road number and direction)."

NOTIFICATION OF A FREEWAY JUNCTION

"In about two miles, keep to the right onto (road number and direction)."

"In about one mile, keep to the right onto (road number and direction), then keep to the right onto (road number and direction)."

"Keep to the right onto (road number and direction), then keep to the right onto (road number and direction)."

"Keep to the right onto (road number and direction)."

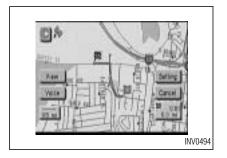
NOTIFICATION OF AN EXIT FROM A FREEWAY

"In about two miles, exit on your right."

"In about one mile, exit on your right, then turn right."

"Exit on your right, then turn right."

REQUESTING CURRENT VOICE INFORMATION



This is available during route guidance, from the time after the route calculation is completed until the vehicle arrives at the destination.

1. Touch the Voice key.

The current condition will be announced. INFO:

• If you touch the Voice key when you are off the suggested route and when the au-

tomatic re-route function is off, the voice will announce: "Proceed to the highlighted route."

 If you touch the Voice key when you are going in the wrong direction, the voice will announce: "Please make a legal U-turn if possible."

NOTES ON THE VOICE GUIDANCE

- The voice guidance in this system should be regarded as a supplementary function. When driving your vehicle, check the route on the map display and follow the actual road and all traffic regulations.
- The voice guidance is activated only for junctions with certain conditions. In some cases you may need to turn, even if there is no voice guidance
- The content of the voice guidance may vary, depending on the direction of the turn and

the type of junction with other roads.

- The route guidance will be activated at various times depending on the situation.
- When the vehicle is off the suggested route, route guidance is not available. The system will not inform you of this; please refer to the map display and request rerouting.
- At freeway junctions, the road numbers and directions may not accurately correspond with the voice guidance.
- At freeway exits, the street names may not accurately correspond with the voice guidance.
- The displayed street names may sometimes differ from the actual names or "UNKNOWN STREET NAME" may be displayed.

Please refer to "Automatic rerouting" on page 9-2.

• When the green indicator on the Guide Volume key is not illuminated, the

voice guidance is not available.

- The voice guidance will start when the vehicle enters the suggested route. Before entering the route, refer to the map display for the direction.
- When the vehicle approaches a waypoint, the voice will say, "You have arrived at waypoint 1 (2, 3, 4,...)." The guidance will switch to the next route section. While the voice guidance is not available, please refer to the map display for the direction.
- When the vehicle approaches a destination, the voice will say, "You have arrived at your destination. Ending route guidance." For the remainder of the way, please find your direction on the map display.
- In some cases, the voice guidance ends before arrival at the destination. In such cases, drive the vehicle by referring to the destination icon displayed on the map screen.
- When the system can judge which side the

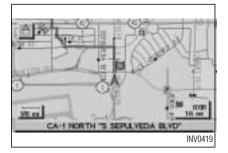
destination (waypoint) is located on, the voice guidance will say "on the right" after guidance of arrival.

• Voice guidance may not operate as specified or may not operate at all due to the angle of roads at intersection entrances and exits.

	Screen information — Planview display	11-2
	Screen information — Birdview [™]	
(display	
	Switching between Birdview [™] and Pla	n-
	view displays	11-3
	Zooming in and out of the map	11-5
	Changing the display direction (in Planvie	W
(display)	11-6
	Scrolling the map	
	Displaying the complete route to the	
	destination	11-8
	Displaying turn list	11-9
	Requesting the simulation drive to the	
	destination	11-10
	Displaying the track	11-11
	GPS information display	11-12
	Updating the current vehicle location a	ind
	the direction	11-13
	Changing the display mode	
	Changing the display color	

Adjusting the display brightness	
Setting automatic beep sound	
How to handle the display	11-20
Characteristics of liquid crystal	
display	11-20
Maintenance of the display	11-21

SCREEN INFORMATION — PLANVIEW DISPLAY



Direction key:

This indicates and sets the direction of the map on the display.

Please refer to "Changing the display direction" on page 11-6.

1/8mi Map scale:

This display indicates the scale on the current map.

🛦 Vehicle icon:

This icon indicates your vehicle and the direction of travel.

🏂 GPS indicator:

This will tell you the strength of the GPS signal received.

Please refer to "Accuracy of positioning" on page 2-2.

0:07 1.6mi

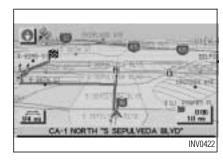
This will indicate the approximate distance of route and traveling time to the destination. This indicator will appear when you set the destination with the route guidance ON.



When the route guidance is OFF or when route

calculation is not started after you set the destination, it will show the direction and approximate straight distance to the destination.

SCREEN INFORMATION — BIRDVIEWTM DISPLAY



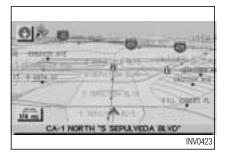
Map scale:

This display indicates the scale on the current map.

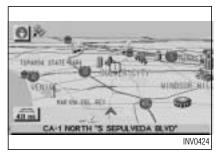
By using the ZM- ZM+ buttons, you can change the scale of the map.

		wiew uispiuy
Height of view	Distance between grids	Depth of distance
512,000 feet	160 miles	approx. 2,240 miles
128,000 feet	40 miles	approx. 560 miles
64,000 feet	20 miles	approx. 280 miles
32,000 feet	10 miles	approx. 140 miles
16,000 feet	4.0 miles	approx. 70 miles
8,000 feet	2.0 miles	approx. 35 miles
4,000 feet	1.0 mile	approx. 17-1/2 miles
2,000 feet	1/2 mile	approx. 8-3/4 miles
1,000 feet	1/4 mile	approx. 4-3/8 miles

Height and distance on Birdview[™] display



<Example> Height of view: 1,000 feet

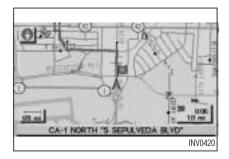


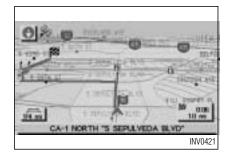
<Example> Height of view: 16,000 feet

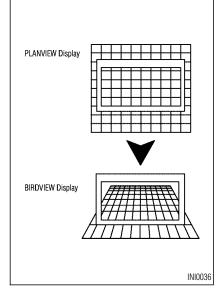
HOW DO I ADJUST THE DISPLAY?

SWITCHING BETWEEN BIRD-VIEWTM and PLANVIEW DIS-PLAYS

Birdview[™] screen displays the view from above, looking down toward the direction the vehicle is traveling. This combines the detailed display close to the vehicle and the long distance view in one screen.







Every time the View key pressed, the displays will alternate between the BirdviewTM and the Planview.

INFO:

Some locations or buildings may be labeled differently in Planview display and Birdview[®] display.

About Birdview[™] display

The destination (waypoint) cannot be set in BirdviewTM display.

Set them in Planview display.

- It always appears with the current forward direction up.
- When the system is re-drawing the display in Birdview[™] display, the distance the vehicle travels becomes longer, and/or the degree the vehicle turns becomes larger than in the Planview display in order to complete re-drawing.
- The names of the roads and locations may differ, depending on where the name appear on the screen.

 In order to avoid complication of the map, all road names are not always shown on the screen. When the display re-draws the map, a road name which is shown on the previous screen may not appear on the new screen.

ZOOMING IN AND OUT OF THE MAP

Use the ZM- / ZM+ button to change the scale of the display and height view.

Nine map scales are available from the most detailed (1 : 10,000) to the widest (1 : 20.48 million).

Each time the ZM+ button is pressed, the map scale will change one level to display a more detailed map.

Each time the ZM- button is pressed, the map scale will change one level to display a map that shows a wider area.

The chosen map scale will be displayed on the left side of the screen.

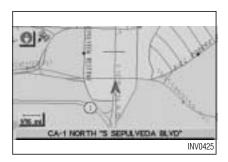
INFO:

By pressing the button repeatedly, you can skip the levels to reach the map of desired scale.

Scale level on the Planview display

Map scale	Actual distance
1 : 20.48 million	160 miles
1 : 5.12 million	40 miles
1 : 1.28 million	10 miles
1:320,000	2.5 miles
1 : 160,000	1 mile
1:80,000	1/2 mile
1:40,000	1/4 mile
1:20,000	1/8 mile
1 : 10,000	1/16 mile

Scales on the BirdviewTM is listed on page 11-3.



<Example> Most detailed level (1: 10,000)

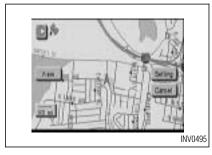


<Example> The widest level (1: 20.48 million)

CHANGING THE DISPLAY DIRECTION (IN PLANVIEW DISPLAY)

How to use the keys on the screen

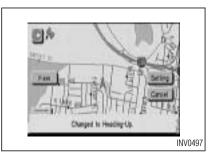
Press the MAP button on the map screen to display the key.



Select the Heading key (key) to alternate the map displays between the North up and the current forward direction up. <Display with North up>

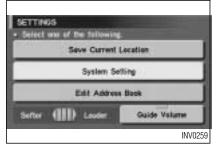


<Display with the forward direction up>



In case of Setting key

1. Change to the current vehicle location screen.

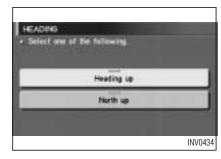


3. Select the System Setting key on the [SETTINGS] screen.

	NTEM SETTINGS lect and of the following	
1	Tracking	
	Display Setting	
	Heading	
	Nearby Display Icons	
-7	Adjust Current Location	
		INV0433

4. Select the Heading key on the [SYSTEM SETTINGS] screen.

The [HEADING] screen will be displayed.



5. Select the Heading Up key or the North Up key.

The map is displayed as follows:

Heading Up : The map shows the current forward direction up.

North Up : The map shows North up.

INFO:

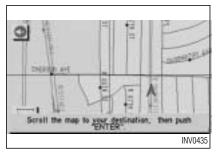
- When the key is selected, the green indicator light will light up.
- When the Map button is pressed after the

display setting, the [CURRENT LOCATION] screen will appear.

When the <u>Previous</u> key is selected, the previous screen will reappear.

SCROLLING THE MAP

You can manually scroll the map to check the places of your choice.



1. Operating the joystick.

The map scrolls to the same direction as the joystick.

INFO:

While the vehicle is traveling, a single operation will move a fixed amount of the screen.

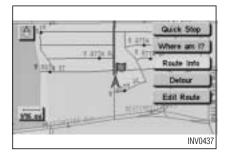
2. Press the MAP button to go back and show the current vehicle position.

INFO:

You can also select the Previous key to go back.



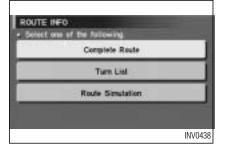
DISPLAYING THE COM-PLETE ROUTE TO THE DES-TINATION



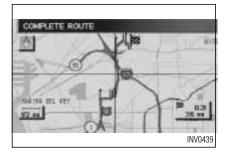
You can request to display the complete suggested route to the destination.

1. Touch the screen.

Keys will be displayed on the screen.

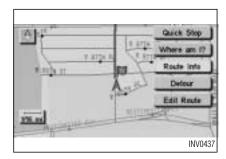


- 2. Select the Route Info key.
- 3. Select the Complete Route key.



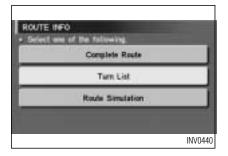
The complete suggested route to the destination will be displayed.

DISPLAYING TURN LIST

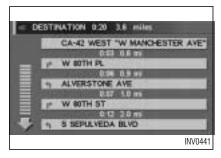


You can display the list of guide points to the destination during route calculation.

1. Touch the screen.



2. Select the Route Info key.



3. Select the Turn List key.

A list of destinations, waypoints and guide points will be displayed. Guidance will be made at each guide point about which direction to turn.

The distance between the guide points and the required time will also be displayed.

It may take time to prepare the turn list. In such cases, the <u>Turn List</u> key will be highlighted and you can not select it until calculation is completed.

INFO:

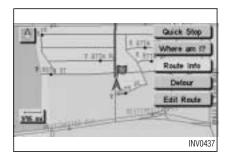
- In the turn list, turning points more than 60 miles (100 km) away from the current vehicle location will not be displayed.
- When calculated routes include a freeway, information about freeway entrances and exits will also be displayed.

REQUESTING THE SIMULA-TION DRIVE TO THE DESTI-NATION

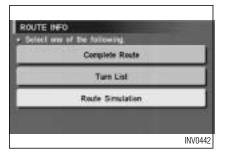
You can simulate driving the entire suggested route to the destination on the screen.

1. Touch the screen.

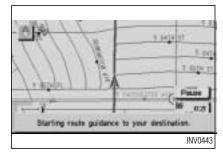
Keys will be displayed on the screen.



^{2.} Select the Route Info key.



3. Select the Route Simulation key.



The screen will display a simulated drive with

voice guidance on the suggested route to the destination.

4. Press the MAP button to go back to the map display.

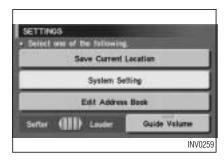
INFO:

If you select the Pause key, simulation is interrupted. If you select the key again, the simulation will restart.

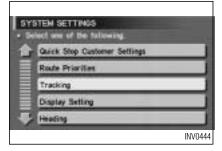
DISPLAYING THE TRACK

You can have the system track the road you have taken, and display it with indication mark (\bigcirc) .

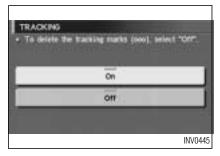
- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.



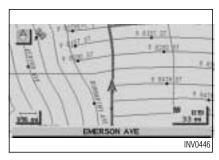
3. Select the System Setting key on the [SETTINGS] screen.



4. Select the Tracking key.



5. Select the On key.



6. Press the MAP button.

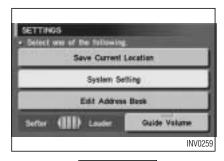
The location of the vehicle will be displayed. INFO:

- You can select the <u>On</u> key to display the indicator (O), and the <u>Off</u> key to get rid of it.
- The locus indicator (O) may be spaced differently, according to the scale of the map.
- If you re-set the current vehicle location, the indicator (○) will be cleared.

GPS INFORMATION DIS-PLAY

The following GPS information will be displayed on the screen: latitude, longitude, altitude, signal reception, and satellite locations.

- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.

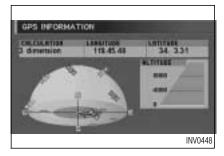


3. Select the System Setting key on the [SETTINGS] screen.

	STEM SETTINGS fect are of the following.	
合	Clear Momery	
	Display Auto Open	
	GPS Information	-
	Quick Step Customer Settings	
-	Route Priorities	
		INV044

4. Select the GPS Information key.

GPS information will be displayed.



INFO:

- The satellite with a strong enough signal will be indicated in green.
- The display will read, [3-dimensional positioning], [2-dimensional positioning], or [positioning impossible], depending on the signal strength. (Altitude will not be displayed in 2-dimensional positioning.)
- When the MAP button is pressed, the [CURRENT LOCATION] screen will appear. When the Previous key is touched, the

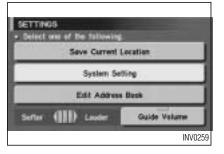
HOW DO I ADJUST THE DISPLAY?

[SYSTEM SETTING] screen will appear.

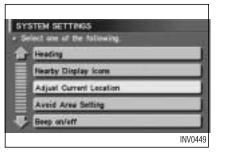
UPDATING THE CURRENT VE-HICLE LOCATION AND THE DIRECTION

If the vehicle icon does not indicate the correct location or the direction does not match the actual road, you can adjust them on the map screen.

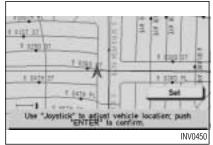
- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.



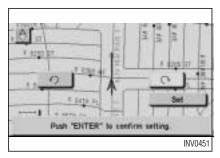
3. Select the System Setting key on the [SETTINGS] screen.



4. Select the Adjust Current Location key on the [SYSTEM SETTINGS] screen.



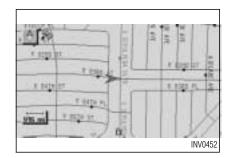
 Align the correct location to the cross point on the map using the joystick, and select the Set key. The current location will be corrected, and the direction adjustment screen will appear.



6. Adjust the direction using the) and key.

The arrow on the display shows the direction of the vehicle icon.

7. Select the Set key.



INFO:

- It is not possible to update the vehicle location when the vehicle is moving.
- Depending on the driving conditions, the vehicle icon may not exactly correspond to the actual location of the vehicle. To verify position, refer to map books or check actual landmarks.
- If you notice that the system is displaying a different road from the one the vehicle is actually traveling, and the vehicle icon does

HOW DO I ADJUST THE DISPLAY?

not go back to the right road after traveling approximately 6-1/4 miles (10 km), update the vehicle location.

CHANGING THE DISPLAY MODE

You can split the screen into two sections to display the map and A/C setting at the same time.

- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.

SETTINGS • Detect and of the following	
Save Current I	location
System Se	Sing
Edit Address	Besk
Setter (11) Louder	Guide Volume
	INV0259

3. Select the System Setting key on the [SETTINGS] screen.

TEM SETTINGS ect are of the following.	Previo
Clear Menary	
GPS Information	
Map & A/C	_
Guick Step Cutterier Settings	
Route Priorities	

4. Select the Map & A/C key.

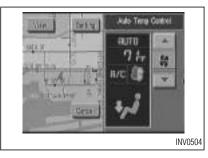
Map & A/C - Select are of the following:	Previous
Map 5 A/C	
140	
	INV0464

5. Select the On key.

6. After setting, press the MAP button.

The right section displays the air conditioner control screen and the left section displays the map.

When the enlarged view is displayed, the air conditioner control screen will not be displayed.



CHANGING THE DISPLAY COLOR

You can change the display color.

- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.

The display shows the [SETTINGS] screen.

SETTINOS	
· Select one of the following	
Save Current I	ocation
System Set	ting
Edit Address	Book
Setter ()) Lauder	Guide Volume
	INV0259

3. Select the System Setting key.

The display shows the [SYSTEM SETTINGS] screen.

STEM SETTIN		
Route Priorit	ies	
Tracking		
Display Setti	ng	
Heading		
Nearby Displ	ay icons	_

4. Select the Display Setting key.

The display shows the [DISPLAY SETTING] screen.

5. Select the Background key.

When pressed, the display color is changed.

1 2222 42		1		
e gate st	7.4342	1		
	1,000.0	1-1	Bao	ground

6. Touch the Previous key.

The [SYSTEM SETTINGS] will be displayed.

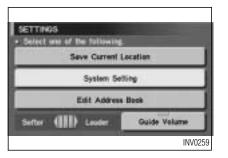
The D/N button is used to change the display color the same way as the Background key.

ADJUSTING THE DISPLAY BRIGHTNESS

You can choose the best brightness for the display.

INFO:

- You can have two different brightness settings for the display. One setting for when the headlights are on and the other setting when headlights are off.
- When the headlights are turned on, the original factory (brightness) display setting will adjust to the brightness suitable for night (dim screen).
- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.



3. Select the System Setting key.

The display shows the [SYSTEM SETTINGS] screen.

_	STEM SETTINGS	
	lect one of the following	-
H	Route Priorities	
	Tracking	_
	Display Setting	
	Heading	
-	Nearby Display Icons	
		INV0456

4. Select the Display Setting key.

The display shows the [DISPLAY SETTING] screen.



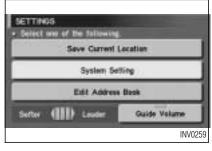
- 5. Touch the Darker/Brighter key to adjust the contrast.
- 6. Touch the Previous key.

The screen returns to the [SYSTEM SETTINGS] screen.

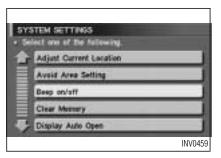
SETTING AUTOMATIC BEEP SOUND

You can set the automatic beep sound. (Activated during automatic rerouting, etc.)

- 1. Change to the current vehicle location screen.
- 2. Select the Setting key.

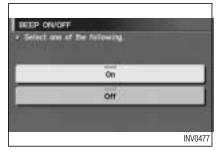


3. Select the System Setting key on the [SETTINGS] screen.



4. Select the Beep on/off key.

The display shows the [BEEP ON/OFF] screen.



5. When turning on/off the beep sound, select the On or Off key.

The selected key (On or Off) will turn to green.

INFO:

Press the MAP button to show the map of the current vehicle location.

HOW TO HANDLE THE DIS-PLAY

The display uses liquid crystal and should be handled with care.

WARNING

Never disassemble the display. It has some areas with extreme high voltage. Touching it may result in serious personal injury.

CAUTION

Never put excessive pressure on the touch panel. The screen may become uneven and damage the liquid crystal display.

CHARACTERISTICS OF LIQUID CRYSTAL DISPLAY

- If the temperature inside the vehicle is especially low, the display will stay relatively dim or tend to be slow in the movement of the images. These conditions are normal; when the temperature rises, the display will function normally.
- You may notice darker or brighter dots in the display; this is inherent in monitor displays and is not malfunction.
- You may also notice a remnant of the previous display image on the screen. This afterimage is inherent in displays and is not abnormal.

INFO:

The screen may be distorted by strong magnetic fields.

MAINTENANCE OF THE DIS-PLAY

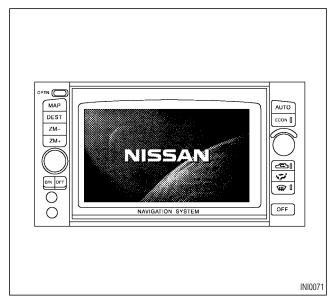
CAUTION

- To clean the display, never use a rough cloth, alcohol, benzine, thinner, any kind of solvent, or paper towel with chemical cleaning agent. They will scratch or deteriorate the panel.
- Do not splash any liquid such as water or car fragrance on the display. Contact with liquid will cause the system to malfunction.

If you need to clean the display screen, use a dry soft cloth. If additional cleaning is necessary, use a small amount of neutral detergent with a soft cloth. Never soak the exterior with water or detergent.

Control panel	12-2
How to use the AU	TO button 12-3
Using the ECON	button 12-4
How to use the 🗹	S button 12-4
How to use the 🟹	<i>s</i> button 12-5
How to use the 🙀	> button 12-5
	F button 12-5
Setting back to automa	tic control 12-6

CONTROL PANEL



This manual only covers the switch functions. Please also refer to the vehicle's owner's manual for instructions on "Heater and air conditioner" in the "Heater, air conditioner and audio systems" section.

Start the engine and operate the controls to activate the air conditioner.

A WARNING

- The air conditioner cooling function operates only when the engine is running.
- Do not leave children, disabled adults, or pets alone in your vehicle. On hot, sunny days, temperatures in a closed vehicle could quickly become high enough to cause severe or possibly fatal injuries to people or animals.

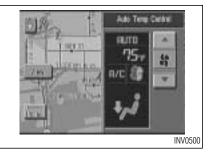
- Do not use the recirculation mode for long periods as it may cause the interior air to become stale and the windows to fog up.
- Positioning of the heater and air conditioner controls should not be done while driving in order that full attention may be given to the driving operation.

HOW TO USE THE AUTO BUT-TON

This mode may be normally used all year round as the system automatically works to keep a constant temperature. Air flow distribution and fan speed are also controlled automatically.

1. Press the AUTO button.

The automatic temperature control mode will be displayed on the right.



- 2. Turn the temperature set knob to set the desired temperature.
- Adjust the temperature set knob to about 75°F (24°C) for normal operation.
- The temperature of the passenger compartment will be maintained automatically. Air flow distribution and fan speed are also controlled automatically.

INFO:

• Turn the knob to the right to raise the temperature.

- Turn the knob to the left to lower the temperature.
- 3. To stop the air conditioning, press the OFF button.

CAUTION

- If the engine is not running, air conditioning and dehumidification will not be activated.
- When the key is in the ACC position but the engine is not running, air is available by pressing the AUTO button, but the cooling function will not operate.

NOTE:

 When the ambient temperature is close to 32°F (0°C), the cooler and dehumidification functions are not available.

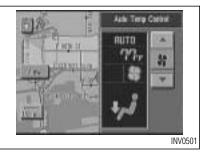
- When the temperature of the engine is low, immediately after starting the engine, the amount of air to the foot area will be limited.
- When the outside temperature is low, the air from the front defroster will be increased, depending on how cold it is outside.
- When you operate the air conditioner while the map display is used, the control mode of the air conditioner will be displayed in the map display and will turn off after approximately 5 seconds.
- You can have the system continuously display the air conditioner control panel.

USING THE ECON BUTTON

The air conditioner does not activate. When you need to heat only, use the **ECON** button.

- 1. Press the <u>AUTO</u> button to use the dehumidification function.
- 2. Press the **ECON** button to switch off the dehumidification function.

The A/C indicator will disappear.



- 3. Turn the temperature set knob to set the desired temperature.
- The temperature of the passenger compartment will be maintained automatically. Air flow distribution and fan speed are also controlled automatically.

• Do not set the temperature lower than the outside air temperature. Otherwise the system may not work properly.

INFO:

- Turn the knob to the right to raise the temperature.
- Turn the knob to the left to lower the temperature.

HOW TO USE THE C BUT-TON

This button switches between drawing air from the outside and recirculating the air inside the vehicle.

INFO:

- Indicator light ON: inside air recirculation
- Indicator light OFF: draws air from the outside

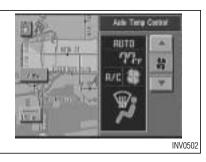
HOW TO USE THE **BUT**-TON

Pushing the value button selects the desired air flow.

- Air flows from center and side ventilators.
- Air flows from center and side ventilators and foot outlets.
- Air flows mainly from foot outlets.
- Air flow from defroster and foot outlets.

HOW TO USE THE 🙀 BUT-TON

This button will turn off the inside air recirculation and remove the collected moisture on the windshield.



1. Press the 🙀 button.

The button will be illuminated, and $\fbox{}$ will be displayed on the Auto Temp. control display. The air conditioner will automatically be turned on when outside temperatures are above 35°F (2°C) to defog the windshield, and the air recirculation mode will automatically be turned off.

Outside air is drawn into the passenger compartment to improve the defogging performance.

- 2. Turn the temperature set knob to set the desired temperature.
- To quickly remove ice or fog from the outside of the windows, touch the key and set to the maximum fan speed position
- As soon as possible after the windshield is clean, push the <u>AUTO</u> button to return to the auto mode.
- 3. To stop this function, press the two button once again, or press the OFF button.

HOW TO USE THE OFF BUT-TON

This will stop the air conditioner and switch on/off the air conditioner control panel.

MATIC CONTROL

SETTING BACK TO AUTO-

tomatic air conditioning from manual.

Press the AUTO button to set back to the au-

FAN SPEED CONTROL



You can set the desired fan speed.

Touch	the	key	to	increase	the	fan	
speed.							

Touch the \checkmark key to decrease the fan speed.

INFO:

If you adjust the air outlet and fan speed, the air conditioner will switch to MANUAL control mode.

13 HOW DO I OPERATE THE AUDIO SYSTEM?

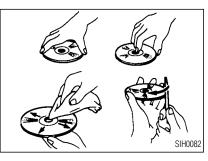
CD care and cleaning	13-2
Control panel	13-3
Listening to the music CD	13-3
Operating the audio system	13-3

HOW DO I OPERATE THE AUDIO SYSTEM?



The CD player should not be adjusted while driving so full attention may be given to vehicle operation.

CD CARE AND CLEANING



- Handle a CD by its edges. Never touch the surface of the disc. Do not bend the disc.
- Always place the discs in the storage case when they are not being used.
- To clean a disc, wipe the surface from the center to the outer edge using a clean, soft cloth. Do not wipe the disc using a circular motion.

Do not use a conventional record cleaner or alcohol intended for industrial use.

- A new disc may be rough on its inner and outer edges. Remove the rough edges using the side of a pen or pencil as illustrated.
- Do not put on any sticker or write anything on either surface of the CD-ROM.

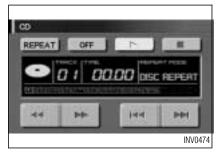
HOW DO I OPERATE THE AUDIO SYSTEM?

CONTROL PANEL

When a music CD is inserted into the system, the operation screen will appear automatically.

INF0:

While a music CD is playing, the navigation system cannot be used.



- 1. REPEAT key; refer to page 13-4.
- 2. OFF key; refer to page 13-4.
- 3. key (play); refer to page 13-3.

- 4. key (stop); refer to page 13-3.
- 5. **Example 1** key (rewind/fast forward); refer to page 13-4.
- 6. **Heat** key (skips tracks rewind/ fast forward); refer to page 13-4.

LISTENING TO THE MUSIC CD

- 1. Press the OPEN _____ button. The display will tilt forward.
- 2. Press the <u>button on the main unit to</u> eject the inserted map CD-ROM.

INFO:

If the ejected CD-ROM is left as it is, it will be retracted automatically for protection.

3. Insert a music CD to the insertion slot. When the music CD is inserted to a certain extent, it will be retracted automatically. The operation screen will appear, then the system will start playback.

NOTE:

- An 8 cm music CD (single) can be also used without an adapter. Do not use an adapter because it may cause failure.
- Store the ejected map CD-ROM in a case.

INFO:

Sound volume, quality, and balance can be adjusted in the audio section.

OPERATING THE AUDIO SYS-TEM

How to play/stop to the music CD

- To stop playback, select the key on the screen.
- To restart playback, select the key on the screen.
- To change the initial screen to the music

HOW DO I OPERATE THE AUDIO SYSTEM?

CD screen (when the ignition key is turned to the ON or ACC position), press the MAP button.

How to fast-forward/rewind songs

- To start fast-forward, select the **b** key on the screen.
- To start fast-rewind, select the key on the screen.
- When the key selection is released, the system will restart playback from the current position.

INFO:

- When the key is selected continuously, the speed will increase.
- During fast-forward and fast-rewind, the system produces a small sound.

How to repeat a song

Select the key to repeat a song to which you are listening.

How to skip songs

- Every time the **>>** key is selected on the screen, the system advances by one song, then starts playback.
- Every time the **I** key is selected on the screen, the system goes back by one song, then starts playback.
- The system skips songs for the number of the key selection count.

How to use the RANDOM function

Every time the <u>REPEAT</u> key is selected on the screen, the screen shifts in the order of DISC REPEAT, TRACK REPEAT and RANDOM.

DISC REPEAT: All songs are replayed in the order of the songs.

TRACK REPEAT: A song is replayed repeatedly.

RANDOM: Songs are replayed in random order automatically.

How to turn off the power supply

Select the OFF key on the screen.

INFO:

- When the MAP button is pressed, the system will restart playback.
- To restart the navigation, replace the inserted music CD with the map CD-ROM.

How to order map data CD-ROM	
updates	14-2
About the navigation map CD-ROM	
Abbreviations definition list	14-5

HOW TO ORDER MAP DATA CD-ROM UPDATES

To order map data CD-ROM updates, please contact the Nissan Navigation system Helpdesk at 1-800-NISSAN-1.

ABOUT THE NAVIGATION MAP CD-ROM

- This navigation map CD-ROM has been prepared by ZENRIN CO., LTD. under license from Navigation Technologies Corporation. ZENRIN CO., LTD. has added, processed and digitized data based on the digital road map data of Navigation Technologies Corporation. Due to the production timing of the map data, some new roads may not be included in this map data or some of the names or roads may be different from those at the time you use this CD-ROM.
- 2. Traffic control and regulation data used in this CD-ROM may be different from those

at the time you use this CD-ROM due to the data production timing. When driving your vehicle, follow the actual traffic control signs and notices on the roads.

3. Reproducing or copying this map software is strictly prohibited by law.

Produced and published by ZENRIN CO., LTD.

© 2000 ZENRIN CO., LTD.

© 2000 Navigation Technologies.

All rights reserved.

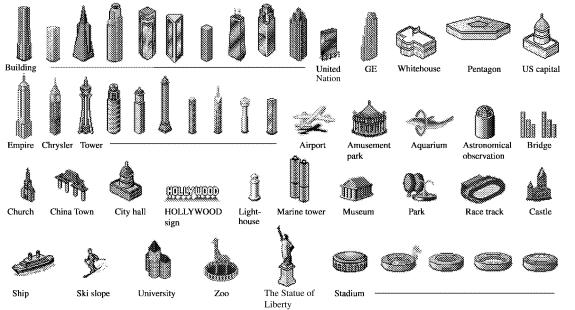
Legend of the icons used on the map



Legend of the 3-D icons

Note: Only some limited landmarks are displayed with 3-D icons on the BirdViewTM display. In some areas, no 3-D icons may be displayed depending on the location.

INV1183



14-4

ABBREVIATIONS DEFINI-TION LIST

Abbreviation	Meaning
ACCS	ACCESS
ACRS	ACRES
ALY	ALLEY
APPR	APPROACH
AVE	AVENUE
BCH	BEACH
BND	BEND
BLF	BLUFF
BLVD	BOULEVARD
BRG	BRIDGE
BRK	BROOK
BYP	BYPASS
BYWY	BYWAY
CYN	CANYON
CSWY	CAUSEWAY
CTR	CENTER
CHSE	CHASE
CIR	CIRCLE
CLFS	CLIFFS
CLB	CLUB
COR	CORNER
CT	COURT
CV	COVE

CRK	CREEK
CRES	CRESCENT
XING	CROSSING
CURV	CURVE
DL	DALE
DR	DRIVE
EST	ESTATES
EXP	EXPRESS
EXPY	EXPRESSWAY
EXT	EXTENSION
FRY	FERRY
FLD	FIELD
FLDS	FIELDS
FLTS	FLATS
FRD	FORD
FWY	FREEWAY
GDNS	GARDENS
GTWY	GATEWAY
GLN	GLEN
GRV	GROVE
HVN	HAVEN
HTS	HEIGHTS
HWY	HIGHWAY
HL	HILL

HILLS
HOLLOW
JUNCTION
KEY
KNOLL
KNOLLS
LANDING
LANE
LOCK
MANOR
MEADOWS
MILL
MOUNT
MONTAIN
OVERPASS
PARKWAY
PASSAGE
PINES
PLACE
PLAZA
POINT
PROMENADE
RANCH
RIDGE

Abbreviation	Meaning
RD	ROAD
SHRS	SHORES
SPGS	SPRINGS
SQ	SQUARE
ST	STREET
SUBD	SUBDIVISION
SMT	SUMMIT
TER	TERRACE
TRCE	TRACE
TRAK	TRACK
TRL	TRAIL
TUNL	TUNNEL
TPKE	TURNPIKE
VLY	VALLEY
VIA	VIADUCT
VW	VIEW
VLG	VILLAGE
VIS	VISTA

Customer assistance	15-2
Basic operations	15-3
Vehicle icon	15-4
Map CD-ROM	15-6
Destination, waypoints or menu conter	nts
cannot be chosen or set	15-6
Voice guidance	15-8
Route calculation	15-9

CUSTOMER ASSISTANCE

For assistance or inquiries about the Nissan Navigation System, please contact:

The Nissan Navigation Helpdesk at 1-800-NISSAN-1

BASIC OPERATIONS

Symptom	Possible cause	Remedy
No image comes on.	The brightness adjustment is at the lowest set- ting.	Adjust it brighter.
No map comes on the screen.	No map CD-ROM is inserted, or it is inserted upside down.	Insert the CD-ROM correctly.
	The map display mode is switched off.	Press the MAP button.
No voice guide is available. or The volume is not high enough.	The volume is not set correctly or turned off.	Adjust the volume correctly.
The screen is too dim. The movement is slow.	The temperature in the vehicle is low.	Wait for the temperature to rise.
There are darker or brighter dots in the display.	It is inherent to displays.	This is not abnormal.

• Stored location in the address book and other memory functions may be lost if the car's battery is disconnected or becomes discharged for a long time.

If this should occur, service the car's battery as necessary and re-enter the address book information.

VEHICLE ICON

Symptom	Possible cause	Remedy
The location names differ, between Planview and Birdview [™] .	This is because the displayed information is reduced so that the screen does not become too crowded. There is also a chance that names of the roads or locations will be repeat- edly displayed. The name appearing on the screen may be different because of the pro- cessing procedure.	It should not be regarded as abnormal.
The vehicle icon is not shown correctly.	The vehicle might have moved with the ignition off, for example on a ferry boat or car transporter.	Drive the vehicle with GPS on for some dis- tance.
The screen does not switch to night screen even after turning the headlights on.	The last setting is the daytime screen, when you turned on the lights the last time.	Turn the headlights on again, go to [DISPLAY SETTING] screen and set it to the night screen.
The map does not scroll even when the vehicle is traveling.	The display is not switched to the map screen.	Press the MAP button.
The vehicle icon does not show up.	The display is not switched to the map screen.	Press the MAP button.
GPS indicator on the screen remains gray.	GPS signals are not received because the ve- hicle is indoors or in the shade of buildings.	Move the vehicle to outdoors with a clear view of the sky.
	GPS signals are not received because some objects are placed on the instrumental panel.	Remove the objects from the instrumental panel.
	GPS satellites are in poor locations.	Please wait for the satellites to move to better locations.

VEHICLE ICON

Symptom	Possible cause	Remedy
The location of vehicle icon does not match the actual position.	Driving on slippery road surface	If the position marker does not move to the correct position even after the vehicle has
	Driving on slanted area	been driven approximately 6 miles (10 km), adjust the current location. If necessary, adjust the moving speed of the vehicle.
	Rough or violent driving	If the position marker does not move to the correct position even after the vehicle has been driven approximately 6 miles (10 km), adjust the current location.
	GPS indicator remains gray.	Please check the GPS indicator on the screen to see if it remains gray.
	Because the vehicle has tire chains on, or the system was transferred to a different vehicle, errors (gain or loss) result in calculating the speed from the speed pulse.	It will move by driving the vehicle for 30 min- utes (in case it is running at 18-3/4 miles/hour (30 km/h)). If you still notice errors, adjust mov- ing speed.
	The map data has an error or is incomplete (if the location error happens always in the same area).	Please wait for the update of the Map CD- ROM.

MAP CD-ROM

Symptom	Possible cause	Remedy
The message "Error" appears after operation.	Map CD-ROM is soiled or partially damaged.	Check the CD-ROM and wipe it clean with a soft cloth.
		In case you see any damage, replace the CD-ROM.

DESTINATION, WAYPOINTS OR MENU CONTENTS CANNOT BE CHOSEN OR SET

Symptom	Possible cause	Remedy
Turn list is not displayed.	Route search does not occur.	Set designation areas and perform route search.
	Car marker does not appear on recommended route.	Drive on the recommended route.
	Route guide is OFF.	Turn the route guide ON.
In rerouting, the waypoints are not included in the calculation.	The system has judged that the vehicle has already passed the point.	If you want to go to that point again, edit the route again.

DESTINATION, WAYPOINTS OR MENU CONTENTS CANNOT BE CHOSEN OR SET

Symptom	Possible cause	Remedy
Route information is not displayed.	Route calculation has not yet been requested.	Set the destination and request route calcula- tion.
	The vehicle icon is not on the suggested route.	Please drive the vehicle along the suggested route.
	Route guidance is off.	Turn the route guidance on.
Route is not calculated automatically.	The vehicle is not running on a route that can be calculated from.	Enter the route that can be calculated from. Alternatively, you can calculate the route manually. In this case, the entire route will be calculated again.
It is impossible to request a detour.	Your vehicle is not running on the suggested route.	Restart route calculation or join the suggested route.
The detour found is the same as the previous suggestion.	The system took many conditions into consid- eration, but the same result was obtained.	This is not abnormal.
It is impossible to set the waypoints.	The number of waypoints exceeds 5.	It is impossible to set more than 5 waypoints. Please divide them in groups to find them all.
Some items in the menu cannot be selected.	The vehicle is moving.	Park the vehicle in a safe place and select the marks relevant to the suggested route.

VOICE GUIDANCE

Symptom	Possible cause	Remedy
The voice guidance is not available.	Voice guidance is only available at certain in- tersections marked with . In some cases, the guidance is not available even when the ve- hicle should make a turn.	This is not abnormal.
	The vehicle is off the suggested route.	Go back to the suggested route or request route calculation again.
	Voice guidance is set OFF.	Turn the voice guidance ON.
	Route guidance is set OFF.	Turn the route guidance ON.
The guidance content does not correspond to the actual condition.	The content of the voice guidance may vary, depending on the types of junctions to make turns on.	Follow the actual rules and regulations.

ROUTE CALCULATION

Symptom	Possible cause	Remedy
Although the system is set with the moving di- rection as the preference, it does not find the route by matching the preference.	There is no route found in that direction.	This is not abnormal.
Route is not indicated.	There is no road that can be found by this system close to the destination.	Reset the destination close to the road dis- played with orange, or wider ones. Especially with roads which have separate lanes for op- posite directions, be careful in setting the desti- nation or waypoints on it, because results may differ depending on the lane you choose.
	The starting point to the destination is too close.	Set more distant destinations.
The route is not displayed continuously at waypoints, for example, that are not calculated route from the vehicle's current position.	Suggested routes may be displayed discontinu- ously near waypoints as route calculation is done at each waypoint.	This is not abnormal.
The suggested route the vehicle has traveled is erased.	Suggested routes are stored in memory by the blocks; if the vehicle travels past waypoint 1, the former data will be erased.	This is not abnormal.

ROUTE CALCULATION

Symptom	Possible cause	Remedy
A very detoured route is suggested.	If there are restrictions (such as one-way traf- fic) on roads close to the starting point or desti- nation, the system may suggest a detoured route.	Try slightly moving the starting point or destination.
The landmark description does not correspond to the actual one.	It may be caused by insufficient or incorrect data on the CD-ROM.	Exchange the Map CD-ROM. It will be up- dated.
The suggested route does not exactly connect to the starting point, waypoints, or destination.	There is no data for route calculation closer to these points.	Set these points on the main road displayed in thick orange. Please note that in some cases even main roads lack the data for route calcu- lation.

16 Index

A	
Address book (Editing)	-5
Address book (Setting) 7-	-2
Address/Street	-6
Audio system 13-	-1
Automatic temperature controls 12-	-2
Automatic beep sound 11-1	9
Automatic rerouting	-2
Avoid areas (Editing) 8-	-5
Avoid areas (Setting) 8-	-2

В	
Birdview [™] display	11-2
C	
Clear memory	4-12
Complete route	11-8
Control panel — music CD	13-3

D	
Destination (Adjusting)	5-23
Destination (Deleting)	5-23
Destination (Setting)	5-18
Detour	
Display mode	11-15
Display (Brightness)	11-18
Display (Color)	11-16
Display (Direction)	11-6
Display (Error)	4-15
Display (Maintenance)	11-21

E	
Enlarged intersection display	5-22
G	
GPS (Global Positioning System)	2-2
GPS information	11-12

Н
Heading 11-6
I
Icon (Changing)
Icon (Legend) 7-9, 14-4, 14-5
Information on screen (Planview/Birdview [™]) 11-2
Intersection 5-8
J
Joystick 4-3
L
Liquid crystal display (LCD) 11-20

М	
Manual re-routing	9-3
Map CD-ROM	14-2, 15-6
Map coverage areas	2-4

INDEX

Music CD	13-2
N	
Nearby display icons	6-10
Р	
Point of Interest (POI)	6-2
Preferences for route calculation	5-21
Previous Dest	5-4
Q	
Quick stop	5-26
Quick stop customer settings	5-28
R	
Reference symbols	1-2
Route calculation and guidance	5-22
Route guidance	4-14

S	
Safe operation 1	1-2
Safety note	1-2
Scrolling the map 11	I-8
Setup start-up screen 4-	-12
Simulation drive 11-	-10
Storing current vehicle location 7	7-2

Т	
Tracking	11-11
Troubleshooting	15-1
Turn list	11-9

U	

Updating the current vehicle location and the	
direction	11-13

	V	

Voice guidance 10-2

Voice guidance (Notes) 10-4

W	
Waypoint (Adjusting)	5-23
Waypoint (Deleting)	5-23
Waypoint (Setting)	5-19
Where am I?	5-29

Z	
Zoom in (IN)	11-5
Zoom out (OUT)	11-5

KEY

Address Book key	5-3
Adress/Street key	5-6
Adjust Current Location key	11-13
All Clear key	5-26
AMB key	12-6
Area key	8-4, 8-9
Auto Reroute key	5-22
Avoid Area Setting key	8-2
Avoid Freeway key	8-4, 8-9
Background key	11-16
Beep on/off key	11-19
Cancel key	
Category key	6-4
City key (DEST SETTING)	5-11
Clear Memory key	4-12

Complete route key	11-8
Contrast key	11-16
Destination key	5-18
Dest. key	5-19
Detour key	9-4
Edit Address Book key	7-4
Edit Route key	9-2
ENTER key	4-12
GPS information key	11-12
Guide Volume key	10-2
Heading Up key	11-6
Heading key	11-6
Intersection key	5-8
Landmark Icon key	7-7
Louder key	10-2
Map key	5-13, 5-18

Map & A/C key 11-15
Minimize FWY key 5-21
Minimize Toll Road key 5-21
Nearby Display Icons key 6-6
Nearby key 6-7
North Up key 11-6
OFF key 4-3, 13-4
Pause key 11-10
Point of Interest (POI) key 6-2
Previous key 5-18
Previous Dest. key 5-4
Priorities key 5-20
Quick Stop Customer Settings key 5-27
Quick Stop key 5-26
Rename key 7-5
[REPEAT] key 13-4

Reroute key 9-2
Route Calc. key 5-21
Route Info key 4-9
Route Simulation key 4-9, 11-10
Save Current Location key 7-3
Setting key 4-4
Shortest Distance key
Shortest Time key 5-20
Softer key 10-2
Store Place key 7-4
Tracking key 11-12
Turn List key 11-9
Use Ferry Route key 5-21
Use Time Restricted Roads key 5-21
View key 11-3
Voice key 10-4

Waypoint key	5-14
Waypoint key	5-19
Where am I? key	5-29
/ 🦳 key	11-15
key	13-3
■ key	13-3
▶► / ◄◀ key	13-4
►► / H key	13-4
BUTTON	
OPEN	4-2
OPEN	2, 13-3
OPEN 4-	2, 13-3 4-3
OPEN 4-	2, 13-3 4-3 4-7
OPEN 4 4	2, 13-3 4-3 4-7 11-5
OPEN 4 MAP DEST	2, 13-3 4-3 4-7 11-5 11-5

OFF (display) 4-3
AUTO 12-3
ECON 12-4
G 12-4
12-5
····· 12-5
OFF (A/C) 12-5
Joystick 4-3
Temperature control knob 4-3, 12-3

16-4