Introduction

Thank you for your purchase of the Navigation System. Please read this manual carefully to ensure proper use. Keep this manual in your vehicle at all times.

The Navigation System is one of the most technologically advanced vehicle accessories ever developed. The system receives satellite signals from the Global Positioning System (GPS) operated by the U.S. Department of Defense. Using these signals and other vehicle sensors, the system indicates your present position and assists in locating a desired destination.

The navigation system is designed to select efficient routes from your present starting location to your destination. The system is also designed to direct you to a destination that is unfamiliar to you in an efficient manner. The system uses AISIN AW maps. The calculated routes may not be the shortest nor the least traffic congested. Your own personal local knowledge or “short cut” may at times be faster than the calculated routes.

The navigation system’s database includes about 75 Point of Interest categories to allow you to easily select destinations such as restaurants and banks. If a destination is not in the database, you can enter the street address or a major intersection close to it and the system will guide you there.

The system will provide both a visual map and audio instructions. The audio instructions will announce the distance remaining and the direction to turn in approaching an intersection. These voice instructions will help you keep your eyes on the road and are timed to provide enough time to allow you to maneuver, change lanes or slow down.

Please be aware that all current vehicle navigation systems have certain limitations that may affect their ability to perform properly. The accuracy of the vehicle's position depends on the satellite condition, road configuration, vehicle condition or other circumstances. For more information on the limitations of the system, refer to pages 180 through 181.

TOYOTA MOTOR CORPORATION

Important information about this manual

For safety reasons, this manual indicates items requiring particular attention with the following marks.

⚠ CAUTION

This is a warning against anything which may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

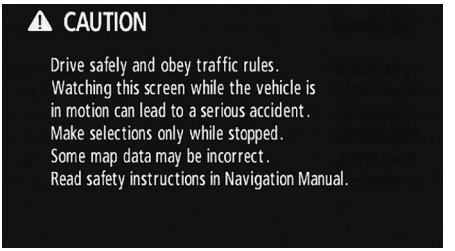
NOTICE

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

INFORMATION

This provides additional information.

Safety Instruction



To use this system in the safest possible manner, follow all the safety tips shown below.

This system is intended to assist in reaching the destination and, if used properly, can do so. The driver is solely responsible for the safe operation of your vehicle and the safety of your passengers.

Do not use any feature of this system to the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, learn how to use it and become thoroughly familiar with it. Read the entire Navigation System Owner's Manual to make sure you understand the system. Do not allow other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable touch–screen buttons are dimmed. Only when the vehicle is not moving, can the destination and route selection be done.

⚠ CAUTION

- **For safety, the driver should not operate the navigation system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.**
- **While driving, be sure to obey the traffic regulations and maintain awareness of the road conditions. If a traffic sign on the road has been changed, route guidance may provide wrong information such as the direction of a one way street.**
- **Do not touch the heat dissipating part of this navigation system with your hand. Burns may result from the heat of this part.**

NOTICE

- ***Do not disassemble or alter this navigation system. Accidents, fires or electrical shocks may result.***
- ***Do not use this navigation system if it is broken (the screen is not lit or no sound comes out). Accidents, fires or electrical shocks may result.***
- ***If foreign objects or water enters the navigation system, smoke comes out, or there is a strange odor, stop using it immediately, and contact your dealer. Accidents, fires, or electrical shocks may result if you continue to use it in these conditions.***

INFORMATION

- ***This is a precision device and is therefore affected by static electricity, electrical noise and vibrations which may result in the loss of user data entered after purchase. Please keep a separate note of the information stored on the unit.***
- ***Please be aware that the warranty does not cover the following cases.***
  1. ***Data stored by the user in the navigation system is altered/ lost as a result of malfunction, improper use, fault of the system, or as a result of adverse effects associated with electrical noise.***
  2. ***Data stored by the user in the navigation system is altered/ lost as a result of improper use of the system by you or a third party.***
  3. ***Data stored by the user in the navigation system is altered/ lost during malfunction or repair.***

: By installing or using this navigation system, you signify that you agree to the above terms.

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

The data in the system may occasionally be incomplete. Road conditions, including driving restrictions (no left turns, street closures, etc.) frequently change. Therefore, before following any instruction from the system, look to see whether the instruction can be done safely and legally.

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If unsure about the safety of an area, do not drive into it. **Under no circumstances is this system a substitute for the driver's personal judgement.**

Use this system only in locations where it is legal to do so. Some states/provinces may have laws prohibiting the use of video and navigation screens next to the driver.

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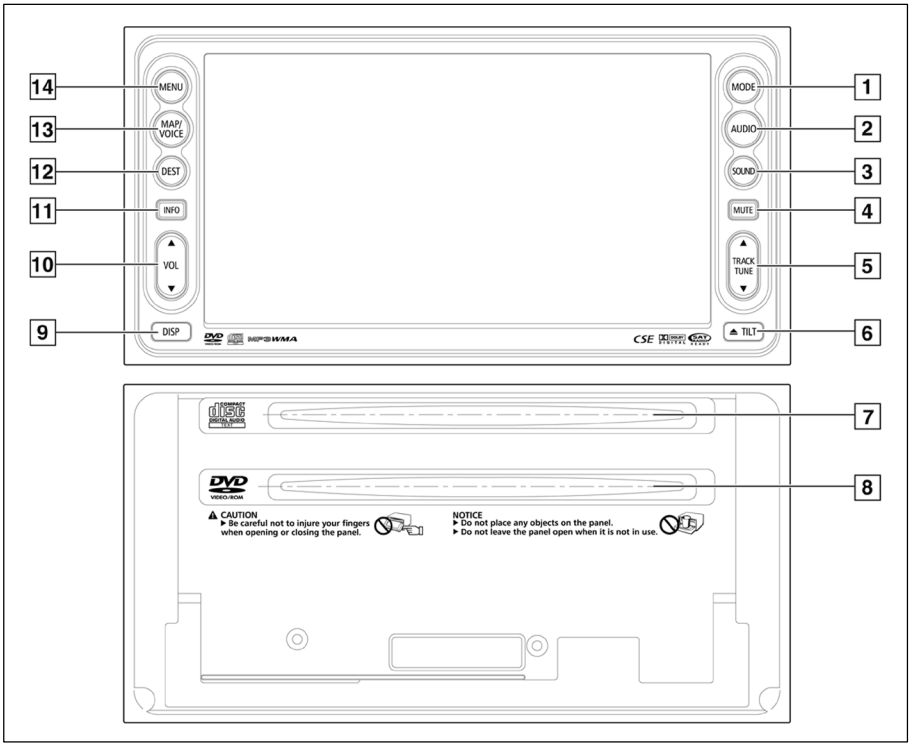
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SECTION ***I***

ABOUT THE AUDIO AND NAVIGATION SYSTEM

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- Adjusting the display angle 10

Overview of buttons



No.	Name	Function	Page
1	**"MODE" button**	Push this button to switch between the audio (radio, CD, MP3/WMA, AUX, iPod) and DVD modes, as well as to turn off the audio system.	124
2	**"AUDIO" button**	Push this button to display the audio operation screen.	124
3	**"SOUND" button**	Push this button to adjust and set the sound quality.	127
4	**"MUTE" button**	Push this button to mute the audio system.	127
5	**"TRACK/TUNE" button**	Push this button to select radio system, CD music tracks, iPod music file, and DVD chapters.	134, 137, 142, 144, 151, 164
6	**"⏏ TILT" button**	Push this button to open and close the display, adjust the angle of the display, and eject discs.	6, 9, 10

No.	Name	Function	Page
7	**CD disc slot**	Load audio CDs and MP3/WMA disc here.	6, 141, 143
8	**DVD disc slot**	Load map DVD−ROMs and DVD videos here.	6, 148
9	**“DISP” button**	Push this button to display the “Display” screen.	115
10	**“VOL” button**	Push this button to adjust the volume of the audio system.	126
11	**“INFO” button**	Push this button to display the “Information” screen.	108, 111, 116, 118
12	**“DEST” button**	Push this button to display the “Destination” screen.	31
13	**“MAP/VOICE” button**	Push this button to repeat a voice guidance, cancel one touch scroll, start guidance, and display the current position.	18, 19, 60
14	**“MENU” button**	Push this button to display the “MENU” screen.	78, 79, 80, 82, 95, 119

Initial screen

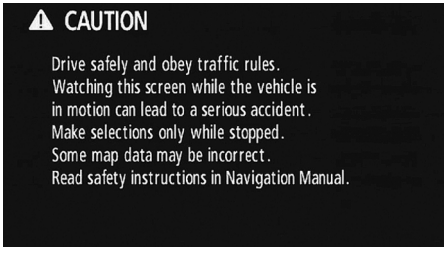


When the engine switch is in “ACC” or “IG–ON” mode, the initial screen will be displayed and the system will begin operating.

⚠ CAUTION

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

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



- **Maintenance information**

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

When the vehicle reaches a previously set driving distance or date specified for a scheduled maintenance check, the “Information” screen will be displayed when the navigation system is in operation.



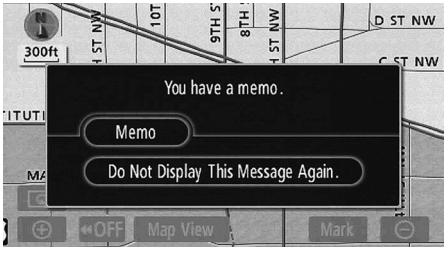
To disable this screen, touch “Do Not Display This Message Again.”. This screen goes off if the screen is not operated for several seconds.

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

To register “Maintenance information”, see “Maintenance information” on page 108.

- **Memo information**

This system notifies about a memo entry. At the specified date, the memo information will be displayed when the navigation system is in operation. The memo information screen will be displayed every time the system is turned on.



The memo of the current date can be viewed by touching "Memo". (See " — Editing a memo" on page 113.)

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

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

To register a memo information, see "Calendar with memo" on page 111.

Touch screen operation

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

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

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

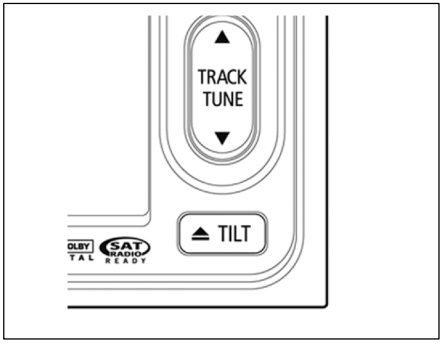
INFORMATION

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

Loading and ejecting the map disc (DVD−ROM), CDs and DVDs

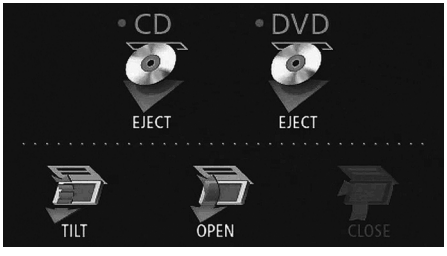
Load the map disc (DVD−ROM) when using the navigation system, an audio CD when listening to music, or a DVD when watching a DVD video, into the respective disc slot.

- **Disc loading method**



1. Push the "⏏ TILT" button.

The display can also be opened by pushing the **"⏏ TILT"** button for approximately 1 second until a beep sound is emitted.



2. Touch "OPEN".

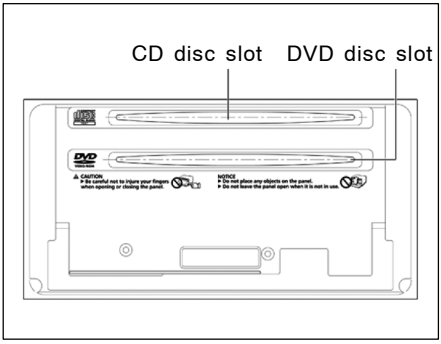
The display opens to reveal each disc slot.

⚠ CAUTION

- **Do not put your hands or fingers into the disc loading slot. Injuries may result.**
- **Do not put foreign objects into the disc loading slot. Fires or electrical shocks may result.**

NOTICE

- ***Do not place cups or cans etc. on the display when the display is open. This may result in damage to the display. Wipe the display immediately if juice etc. is spilled on it. The display may be damaged if left unwiped.***
- ***Close the display when not loading or ejecting discs in order to protect it from exposure to heat and dust.***



3. Load a disc into the appropriate disc slot.

Load the map disc (DVD−ROM), CDs, or DVDs with the label facing upwards. The yellow indicator for the loaded disc will illuminate.

The navigation screen will be displayed when the map disc (DVD−ROM) is loaded.

Audio CD, MP3, or WMA playback will commence when a CD is loaded.

DVD video playback will commence when a DVD is loaded.

NOTICE

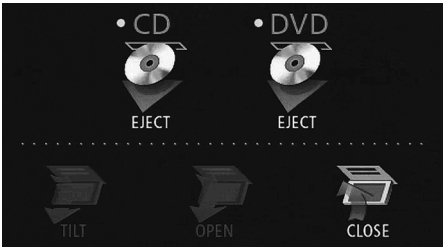
- ***The disc slot for both the map disc (DVD−ROM) and DVDs is the same and therefore this slot may be used for either type of disc.***
- ***Do not confuse the CD and DVD disc slots.***
- ***Do not touch "CLOSE" or push the "⏏ TILT" button while loading discs.***

INFORMATION

- ***About the map disc (DVD−ROM)***
  - ***Do not use discs other than the dedicated DVD navigation disc provided. (Please consult with your dealer for further details.)***
  - ***When handling the map disc, hold it with one finger in the hole and your thumb on the edge, with the label facing upwards.***
  - ***The System Loading screen will be displayed when the map disc is loaded for the first time. This screen will also be displayed when loading the map DVD−ROM after the battery power has been cut due to battery or fuse replacement. Under no circumstances should the ignition key be turned to the "ACC" position or the "OFF" position when the System Loading screen is displayed.***
  - ***When discs are used for a long time they will accumulate dust, so be sure to regularly wipe discs clean. Continuing to use uncleaned discs will cause damage to the DVD player.***
- ***About CDs***
  - ***It may not be possible to properly load, eject, or playback CDs for which a transparent or translucent material has been used for the recorded section of the disc. Therefore such discs should not be used.***
  - ***Copy−protected CDs do not comply with official CD standards, and therefore there may be times when playback is not possible.***
  - ***Music CDs, CD−R (CD−Recordable) and CD−RW (CD−ReWritable) discs can be used. For details, see page 174.***

- ***There may be times when it is not possible to playback CD–R or CD–RW discs due to disc characteristics, scratches or dirt on the discs, or degradation caused by leaving discs in the vehicle for lengthy periods of time. Furthermore, it is not possible to playback CD–R or CD–RW discs that have not been finalized.***
- ***Do not use an adapter when loading mini (3 in. [8 cm]) CDs. This may prevent the disc from being ejected.***
- ***When handling CDs, hold them with one finger in the hole and your thumb on the edge, with the label facing upwards.***

- ***About DVDs***
  - ***DVD video discs can be used. For details, see page 175.***
  - ***Only DVD–R and DVD–RW discs recorded in video mode may be used.***
  - ***It may not be possible to use certain functions depending on the DVD video disc.***
  - ***When handling DVD video discs, hold them with one finger in the hole and your thumb on the edge, with the label facing upwards.***

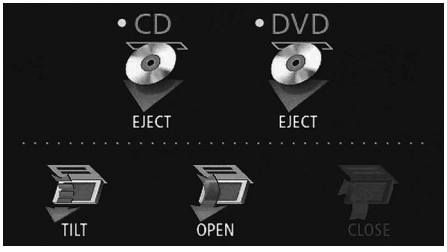


4. Ensure that each disc has been properly loaded before touching "CLOSE".

The display will close. The display can also be closed by pushing the "⏏ **TILT**" button for approximately 1 second until a beep sound is emitted.

- **Disc ejection method**

1. Push the "⏏ TILT" button.



2. Touch the disc to be ejected.

The disc will be ejected automatically.

3. Touch "CLOSE" after ejecting the disc.

An operation sound is emitted 5 times to notify the driver when the engine is turned off with the display still open. The display can be closed by pushing the "⏏ **TILT**" button for approximately 1 second.

⚠ CAUTION

Take care not to catch your hand in the display while it is moving. Otherwise, you could be injured.

NOTICE

- ***Do not close the display by hand, as this may result in damage to the display.***
- ***Do not place cups or cans etc. on the display when the display is open. This may result in damage to the display.***
- ***Wipe the display immediately if juice etc. is spilled. The display may be damaged if left unwiped.***
- ***When ejecting discs, do not close the display while a disc is protruding from the slot. This may result in scratches to the discs.***
- ***Close the display when not loading or ejecting discs in order to protect it from exposure to heat and dust.***

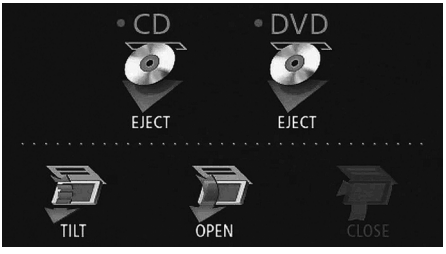
INFORMATION

A CD operation (read) sound is sometimes emitted when the display is closed after ejecting a CD but this sound will stop after several seconds. This does not indicate any damage to the system.

Adjusting the display angle

When visibility is affected by light from outside the vehicle, the screen can be adjusted to three different angles.

1. Push the "⏏ TILT" button.



2. Touch "TILT".

The display tilts one step (10°) upwards.

Each time **"TILT"** is touched, the display tilts upwards another step.

Touch **"TILT"** when the display has reached the third step (30°) to return it to its original position (0°).

⚠ CAUTION

Take care not to catch your hand in the display while it is moving. Otherwise, you could be injured.

NOTICE

Do not obstruct the display while it is moving. It could damage your navigation system.

INFORMATION

- ***The display can still be opened when tilted. When the display is closed it returns to its previous tilted position.***
- ***The display returns to its original position (0°) if the engine switch is turned off when the display is tilted. The display then returns to its previous tilted position when the engine switch is next turned to the "ACC" or the "IG–ON" position.***

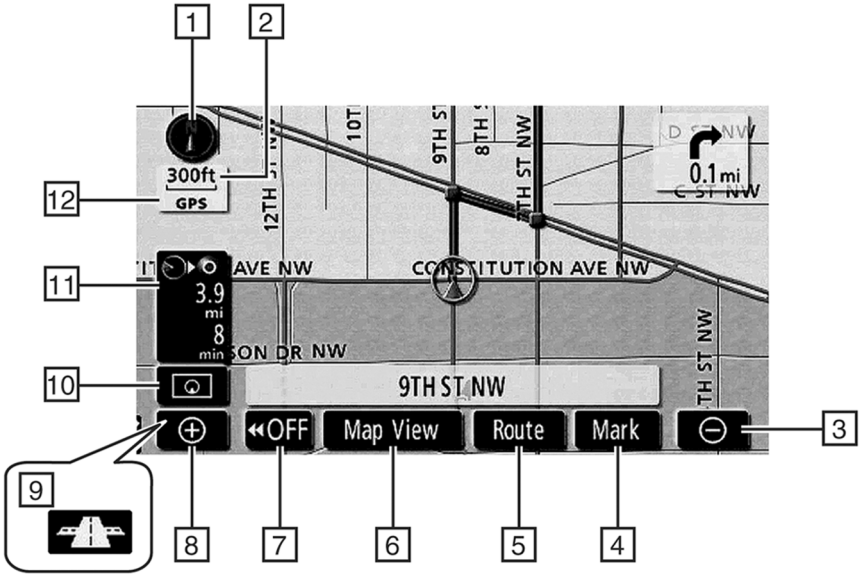
SECTION II

BASIC FUNCTIONS

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  - Map scale 25
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Overview of the guidance screen



No.	Name	Function	Page
1	**North–up or heading–up symbol**	This symbol indicates a map view with north–up or heading–up. Touching this symbol changes the map orientation.	27
2	**Scale indicator**	This figure indicates the map scale.	25
3	**Zoom out touch–screen button**	Touch this button to reduce the map scale.	25
4	**"Mark"**	Touch this button to register the current position or the cursor position as a memory point.	20
5	**"Route"**	Touch this button to change the route.	62, 64
6	**"Map View"**	Touch this button to browse information about guidance route, to set the Points of Interest to be displayed on the screen, or to record the route.	68, 71, 72, 73

No.	Name	Function	Page
7	**"◀◀OFF"**	Touch this button to obtain a broader view. Some of the buttons on the screen are not displayed. They are displayed again by touching **"ON▶▶"**.	99
8	**Zoom in touch–screen button**	Touch this button to magnify the map scale.	25
9	**Foot print map touch–screen button**	Touch this button to display the foot print map and the building information.	25
10	**Screen configuration touch–screen button**	Touch this button to change the screen mode.	22
11	**Distance and time to destination**	Displays the distance, the estimated travel time to the destination, and the estimated arrival time at the destination.	61
12	**"GPS" mark (Global Positioning System)**	Whenever the vehicle is receiving signals from the GPS, this mark is displayed.	180

Inputting letters and numbers/List screen operation

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

INFORMATION
Keyboard layout can be changed. (See page 97.)

- **To input letters**

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



Enter letters by touching the alphabet keys directly.

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

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



: To enter in lower case.

: To enter in upper case.

- **To input numbers and symbols**

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



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

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

1/2 : Touching this button displays other symbols.

2/2

- **To display the list**



To search for an address or a name, touch **"List"**. Matching items from the database are listed even if the entered address or name is incomplete.

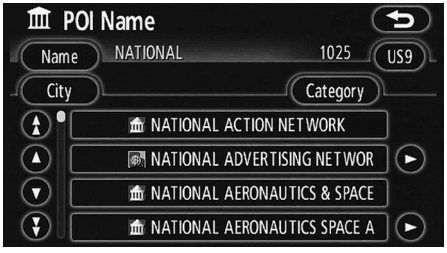
If the number of matches is four or less, the list is displayed without touching **"List"**.



INFORMATION
The number of matching items is shown to the right side of the screen. If the number of matching items is more than 9,999, the system displays "*" on the screen.***

- **List screen operation**

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



To shift to the next or previous page.

To scroll up or down one item at a time.

This expresses a displayed screen position.

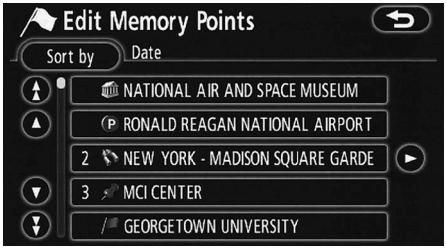
If appears to the right of the item name, the complete name is too long for the display. Touch to scroll to the end of the name.

Touch to scroll to the beginning of the name.

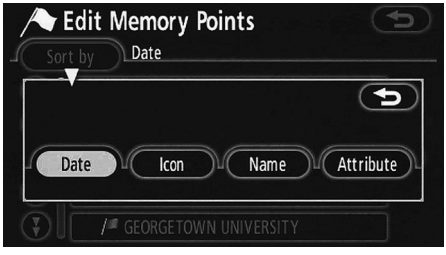
- **Sorting**

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

TYPE A



1. Touch “Sort by”.



2. Select the desired sorting criteria.

Sorting criteria are as follows:

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

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

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

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

“Name”: To sort in order by name.

“Attribute”: To sort in order by attribute.

TYPE B



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

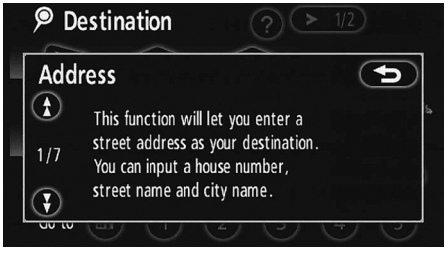
"Name Sort": To sort in alphabetical order by name.

Function help

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



Touch .



: To view the previous page.

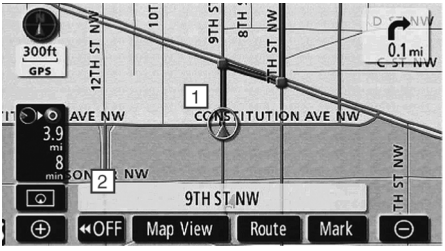
: To view the next page.

: To return to the previous screen.

Map screen operation — — Current position display

When starting the navigation system, the current position is displayed first.

This screen displays the current vehicle position and a map of the surrounding local area.



The current vehicle position mark (1) appears in the center or bottom center of the map screen.

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

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

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

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

INFORMATION

- ***After battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the system receives signals from the GPS, the correct current position is displayed.***
- ***To correct the current position manually, see page 104.***

INFORMATION

- ***RSS–Gen Rules***
  - ***Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.***
  - ***To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.***
  - ***L'utilisation de ce dispositif est autorisée seulement aux deux conditions suivantes : (1) il ne doit pas produire de brouillage, et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.***
  - ***Afin de réduire le risque d'interférence aux autres utilisateurs, il faut choisir le type d'antenne et son gain de façon à ce que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne soit pas supérieure au niveau requis pour l'obtention d'une communication satisfaisante.***

— Screen scroll operation (one–touch scroll)

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



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

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

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

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

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

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

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



Touch "Enter ⊙".

The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 50.)

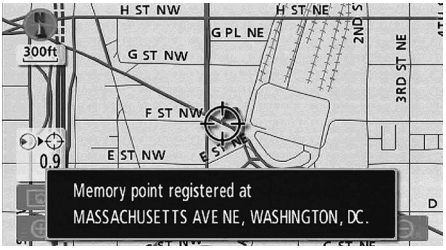
- **To register the cursor position as a memory point**

Memory point registration enables easy access to a specific point.



Touch "Mark".

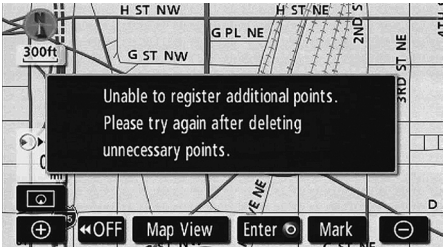
When you touch **"Mark"**, the following screen appears for a few seconds, and then the map screen returns.



The registered point is shown by on the map.

To change the icon or name, etc., see "— Editing memory points" on page 84.

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



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



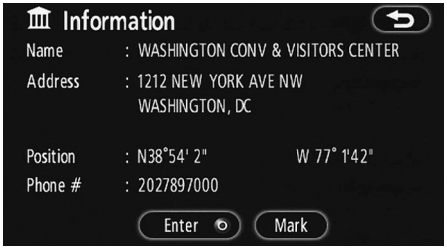
To display information about an icon, set the cursor on it.

POI INFORMATION

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



Touch "Info.".



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

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

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

"Add to ⊙": To add a destination.

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

To register this POI as a memory point, touch **"Mark"**. (See page 83.)

INFORMATION

The desired Point of Interest can be displayed on the map screen. (See " — Display POI icons" on page 68.)

MEMORY POINT INFORMATION

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



Touch "Info.".



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

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

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

"Add to ⊙": To add a destination.

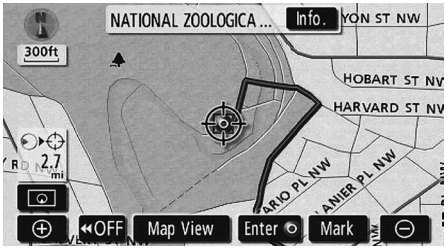
"Replace ⊙": To delete the existing destinations and set a new one.

To edit a memory point, touch **"Edit"**. (See " — Editing memory points" on page 84.)

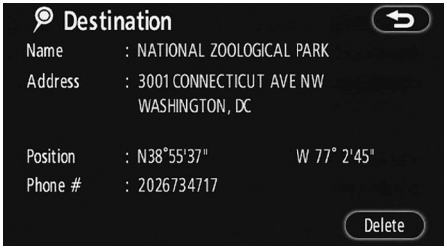
To delete a memory point, touch **"Delete"**.

DESTINATION INFORMATION

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



Touch "Info.".

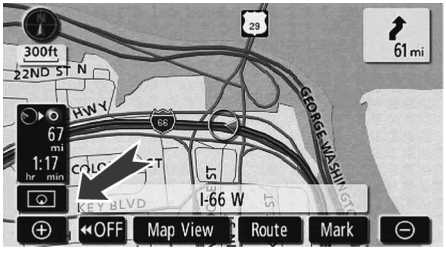


Information such as the name, address, and phone number are displayed.

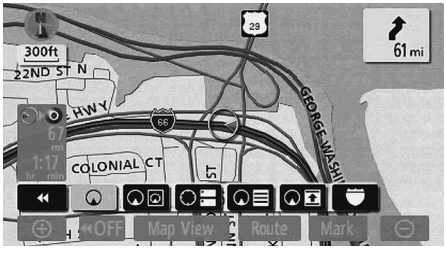
To delete a destination, touch **"Delete"**.

— Switching the screens

Any one of the screen configurations can be selected .



1. Touch this button to display the following screen.



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

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

: To display the single map screen. (See page 23.)

: To display the dual map screen. (See page 24.)

: To display the compass mode screen. (See page 24.)

: To display the turn list screen. (See page 58.)

: To display the arrow screen. (See page 58.)

: To display the freeway information screen. (See page 56.)

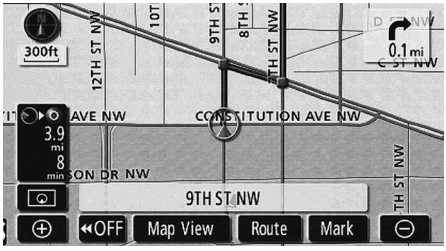
: To display the intersection guidance screen or the guidance screen on the freeway. (See page 57.)

- **Screen configurations**

SINGLE MAP

This is a regular map screen.

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

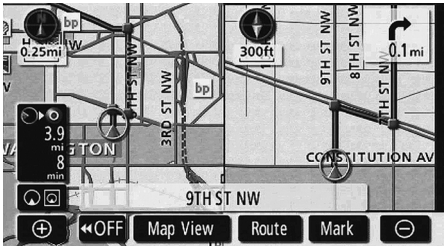


The screen shows the single map.

DUAL MAP

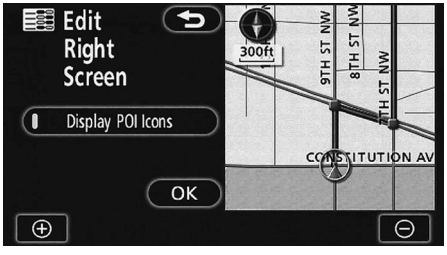
A map can be displayed split in two.

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



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

The right side map can be edited by touching any specific point on the right side map.



This screen can perform the following procedures:

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

Touch "OK" when you complete editing.

The screen returns to the dual map screen.

COMPASS MODE

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

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

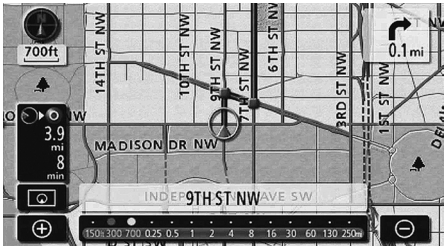


Information about the destination and current position, as well as a compass, is displayed on the screen.

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

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

— Map scale



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

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

The scale of the map display can be changed by touching the scale bar directly. It is not available while driving.

The map scale is displayed under the north–up symbol or heading–up symbol at the top left of the screen.

INFORMATION

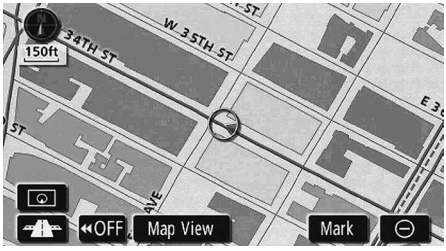
When the map scale is at the maximum range of 250 miles (400 km), ⊖ is dimmed. When the map scale is at the minimum range of 150 feet (50 m), ⊕ is dimmed. In areas where the foot print map is available the map scale changes from ⊕ to 🚗 when at the minimum range.

— Foot print map

For the area which is covered by the foot print map (Some areas in the following cities: Detroit, Chicago, N.Y., L.A.), you can switch to the foot print map on a scale of 75 feet (25 m).

- **To switch to the foot print map**

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



To display the foot print map, touch 🚗.

To delete the foot print map display, touch ⊖.

INFORMATION

- ***If the map or the current position is moved to the area which is not covered by the foot print map, the screen scale automatically changes to 150 feet (50 m).***
- ***On the foot print map, a one way street is displayed by ➡.***
- ***It is not possible to perform scrolling on the foot print map (one–touch scroll) while driving.***

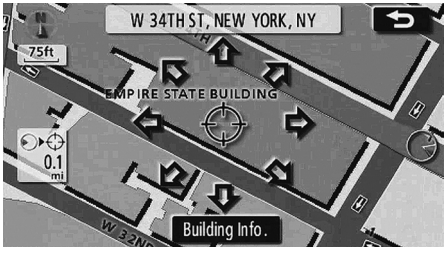
- **To display building information**

Information is available only for buildings for which information is recorded on the map disc.



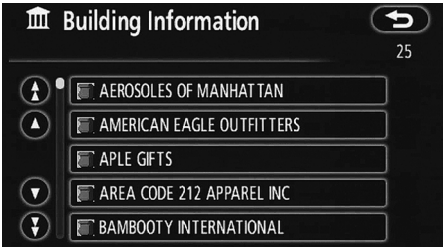
1. Touch “Info.” while the foot print map is displayed.

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



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

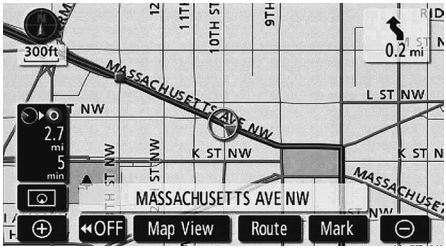
3. Touch “Building Info.”.



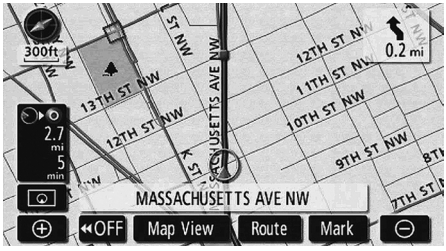
Details of POIs in some buildings may be displayed.

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

— Orientation of the map



▶ **North–up screen**



▶ **Heading–up screen**

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

North–up symbol

Regardless of the direction of vehicle travel, North is always up.

Heading–up symbol

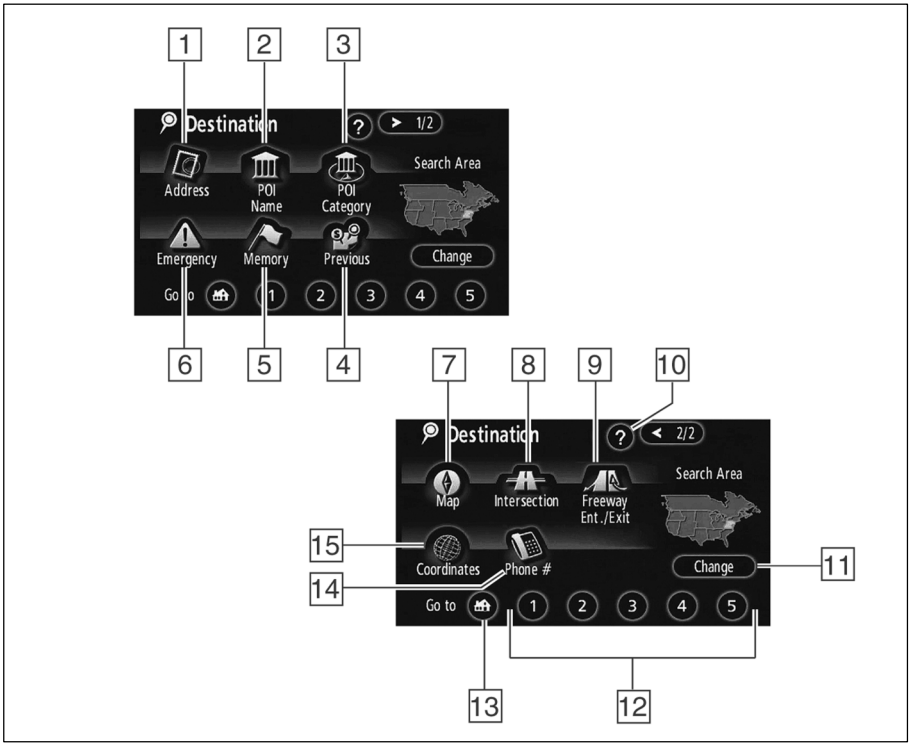
The direction of vehicle travel is always up. A red arrow indicates North.

SECTION III

DESTINATION SEARCH

- Quick reference (“Destination” screen) 30
- **Destination search** 31
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  - Destination search by “Address” 35
  - Destination search by “POI Name” 39
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  - Destination search by “Emergency” 45
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  - Destination search by “Map” 47
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  - Destination search by “Phone #” 50
- Starting route guidance 50

Quick reference (“Destination” screen)



1 “Address”

A house number and the street address can be input by using the input keys. 35

2 “POI Name”

Select one of the many POIs (Points of Interest) that have already been stored in the system’s database. 39

3 “POI Category”

A destination can be selected from the POI category. 42

4 “Previous”

A destination can be selected from any of the last 100 previously set destinations and from the previous starting point. 46

5 “Memory”

The location can be selected from the registered “Memory points”. (To register memory points, see “ — Registering memory points” on page 83.) 46

6 “Emergency”

One of the four categories of emergency service points that are already stored in the system’s database can be selected. 45

7 “Map”

A destination can be selected simply by touching the location on the displayed map. 47

8 "Intersection"

The names of two intersecting streets can be entered. This is helpful if only the general vicinity, not the specific address, is known. (Intersections for which there is no information in the database cannot be searched for.) 47

9 "Freeway Ent./Exit"

The name of a freeway (interstate) entrance or exit can be entered. 48

10 "?"

Function help for the "Destination" screen can be viewed on this screen. 17

11 "Change"

To change the selected search area, touch this button. 32

12 Quick access touch–screen buttons

One of 5 preset destinations can be selected by touching the screen directly. To use this function, it is necessary to set the "Quick Access" for each memory point. (To register a "Quick Access", see " — Editing memory points" on page 84.) 34

13 Home touch–screen button

A personal home address can be selected without entering the address each time. To use this function, it is necessary to set "Home" for the memory point. (To register "Home", see " — Registering home" on page 89.) 34

14 "Phone #"

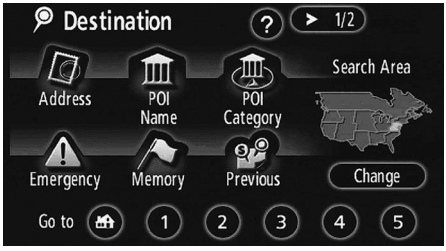
A destination can be entered by the telephone number. 50

15 "Coordinates"

A destination can be set by using latitude and longitude as coordinates. 49

Destination search —

Push the "DEST" button and the "Destination" screen appears.



You can use one of 13 different methods to search your destination. (See pages 34 through 50.)

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

— Selecting the search area

SELECTING THE SEARCH AREA ON THE DESTINATION SCREEN



1. Touch “Change” on the “Destination” screen to display a map of the United States and Canada divided into 11 areas. (For map database information and updates, see pages 119 and 182.)

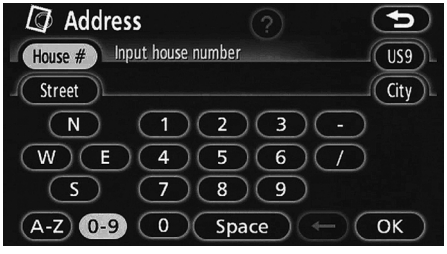


2. Touch one of “US1” through “CAN” to select the search area.

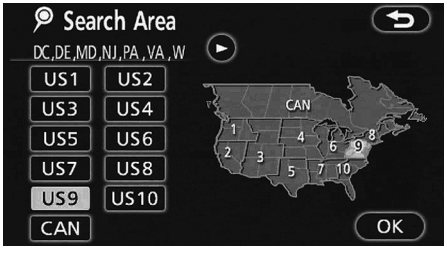
3. Touch “OK” and the “Destination” screen returns.

SELECTING THE SEARCH AREA ON THE INPUT SCREEN

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



1. Touch the search area button like “US9” on the input screen to display a map of the United States and Canada divided into 11 areas. (For map database information and updates, see pages 119 and 182.)



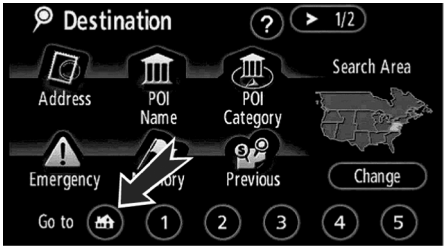
2. Touch one of “US1” through “CAN” to select the search area.

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

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

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

— Destination search by Home



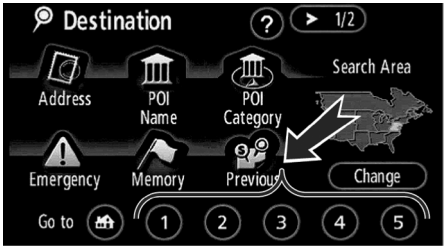
Touch the home touch–screen button on the "Destination" screen.

The screen changes and displays the map location for home and the route preference. (See "Starting route guidance" on page 50.)

To use this function, it is necessary to set "Home" for the memory point. (To register "Home", see page 89.)

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

— Destination search by Quick access



Touch any of the quick access touch–screen buttons on the "Destination" screen.

The screen changes and displays the map location of the quick access point and the route preference. (See "Starting route guidance" on page 50.)

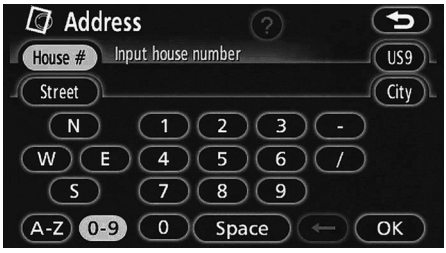
To use this function, it is necessary to set "Quick Access" for each memory point. (To register "Quick Access", see page 86.)

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

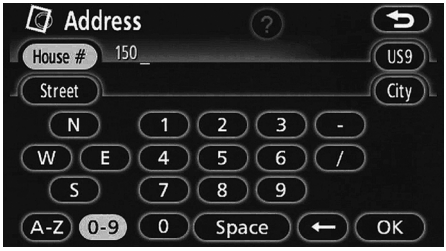
— Destination search by "Address"

There are 2 ways to input a destination by address.

Touch "Address" on the "Destination" screen.



(a) Inputting a house number and a street name



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

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

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



2. Input the street name.



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

The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 50.)

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



4. Select or enter the desired city.

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



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



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



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

(b) Selecting a city to search



Touch "City".



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

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

INFORMATION

- ***To change the selected area, touch "Search Area".***
- ***To cancel the city setting, touch "Any City".***

INPUTTING THE CITY NAME

1. Touch "Input City Name".



2. Input a city name.



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

"Map": To display the selected destination and the route preference. (See "Starting route guidance" on page 50.)

The current screen changes to the screen for inputting a house number or a street name. (See "(a) Inputting a house number and a street name" on page 35.)

SELECTING FROM THE NEAREST 5 CITIES

1. Touch “Nearest 5 Cities”.



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

The current screen changes to the screen for inputting a house number or a street name. (See “(a) Inputting a house number and a street name” on page 35.)

SELECTING FROM THE LAST 5 CITIES



Touch the button of the desired city name.

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

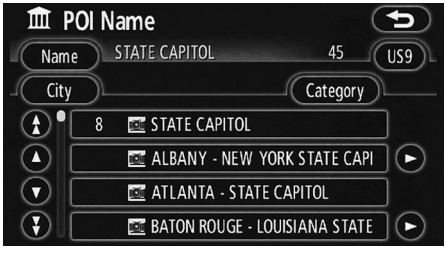
The current screen changes to the screen for inputting a house number or a street name. (See “(a) Inputting a house number and a street name” on page 35.)

— Destination search by "POI Name"

1. Touch "POI Name" on the "Destination" screen.



2. Input the name of the Point of Interest.



3. Touch the button of the desired destination.

The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 50.)

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



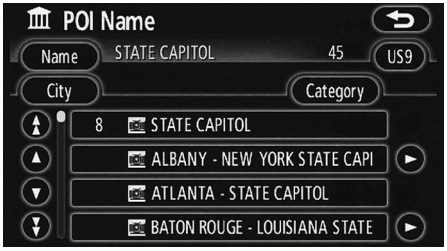
Touch the button of the desired destination.

If the same name exists in more than one city, a search can be performed more easily with **"City"** and **"Category"**. (See "(a) Selecting a city to search" on page 40 and "(b) Selecting from the categories" on page 42.)

INFORMATION

The desired Point of Interest can be displayed on the map screen. (See " — Display POI icons" on page 68.)

(a) Selecting a city to search



Touch “City”.



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

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

INFORMATION

- ***To change the selected area, touch “Search Area”.***
- ***To cancel the city setting, touch “Any City”.***

INPUTTING THE CITY NAME

1. Touch “Input City Name”.



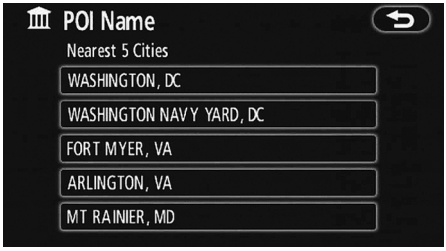
2. Input the city name.



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

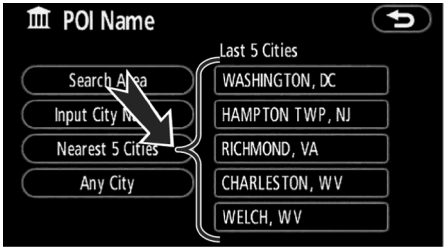
SELECTING FROM THE NEAREST 5 CITIES

1. Touch “Nearest 5 Cities”.



2. Touch the button of the desired city name.

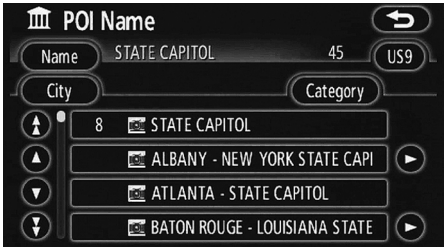
SELECTING FROM THE LAST 5 CITIES



Touch the button of the desired city name.

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

(b) Selecting from the categories



Touch "Category".



If the desired POI category is on the screen, touch the name to display a detailed list of the POI category.

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



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

— Destination search by "POI Category"

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

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



Set the search point by the following method:

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

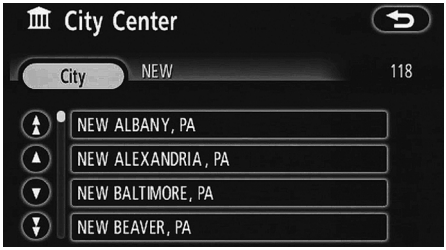
It is possible to display the names of POIs located within approximately 20 miles (32 km) from the selected search point.

INPUTTING THE CITY CENTER

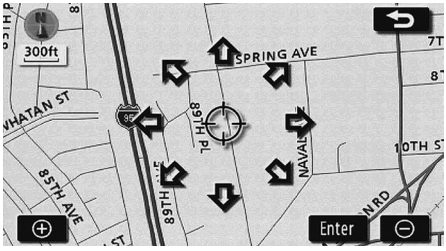
1. Touch “Input City Center”.



2. Input the city center name.



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



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

4. Touch “Enter”.

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

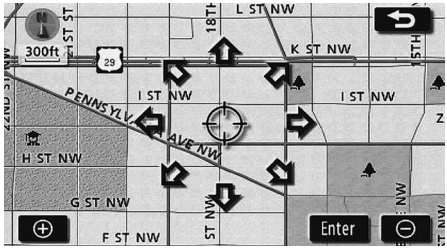
SETTING THE CURRENT POSITION AS THE SEARCH POINT

Touch “Current Position”.

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

SETTING THE SEARCH POINT VIA THE MAP SCREEN

1. Touch “Map”.



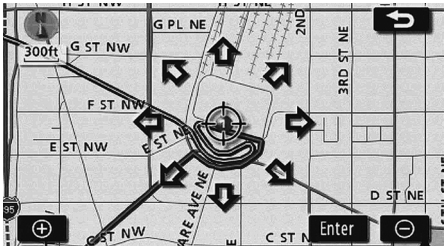
When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

2. Touch “Enter”.

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

SETTING THE SEARCH POINT FROM DESTINATIONS

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



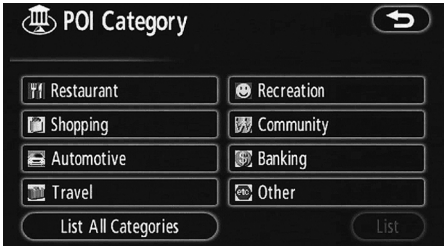
When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

2. Touch "Enter".

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

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

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



Select the desired POI categories.

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

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

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



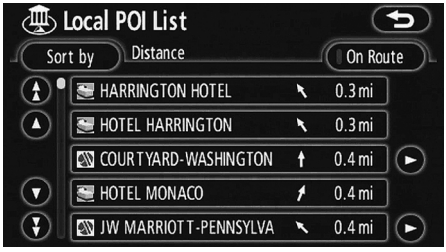
Select the desired POI categories from the list and touch "OK".

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



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

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



By touching the button of the desired item, the screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 50.)

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

— Destination search by "Emergency"

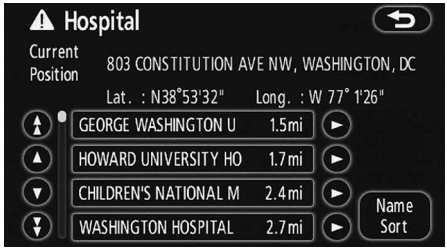
1. Touch "Emergency" on the "Destination" screen.

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



2. Touch the desired emergency category.

The selected emergency category list is displayed.



3. Touch the button of the desired destination.

The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 50.)

INFORMATION
The navigation system does not guide in areas where route guidance is unavailable. (See page 181.)

— Destination search by "Memory"

1. Touch "Memory" on the "Destination" screen.

A list of registered memory points is displayed. (To register or edit memory points, see "My places" on page 82.)

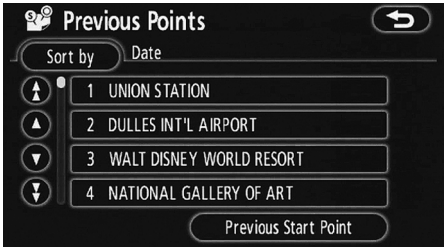


2. Touch the button of your desired memory point.

The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 50.)

— Destination search by "Previous"

1. Touch "Previous" on the "Destination" screen.



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

2. Touch the button of the desired destination.

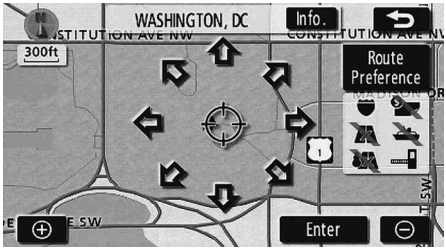
The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 50.)

INFORMATION

The list of previous destinations can be deleted when the vehicle is stopped. (See " — Deleting previous points" on page 95.)

— Destination search by "Map"

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



The screen changes and displays the map location that was previously displayed just before the destination input operation and the route preference. (See "Starting route guidance" on page 50.)

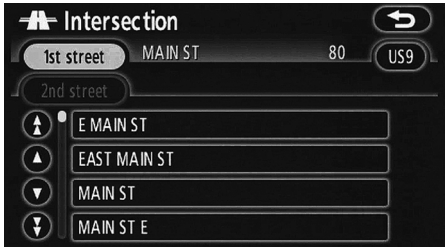
INFORMATION
Guidance starts if "Enter" is touched even while driving. However, the cursor cannot be moved.

— Destination search by "Intersection"

1. Touch "Intersection" on the second page of the "Destination" screen.

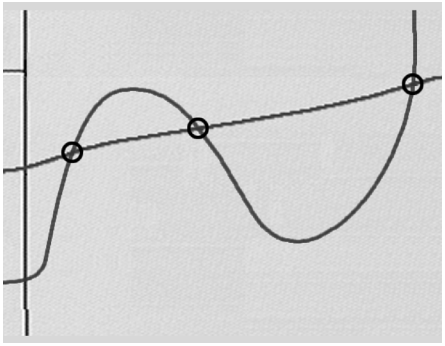


2. Input the name of the two intersecting streets which are located near the destination to be set.



3. Touch the button of the desired item.

After inputting the two intersecting streets, the screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 50.)



If the same two streets cross at more than one intersection, the screen changes and displays the menu to select the city name where the streets intersect. Select the city, and the map location of the selected destination and the route preference. (See “Starting route guidance” on page 50.)

— Destination search by “Freeway Ent./Exit”

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



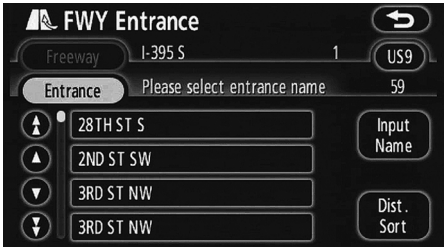
Be sure to use the complete name of the freeway or highway, including the hyphen, when entering the destination. Freeways and interstates use an “I” (I–405). US highways use the state designation before the number (CA–118).



2. Select the desired freeway by touching the button.



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



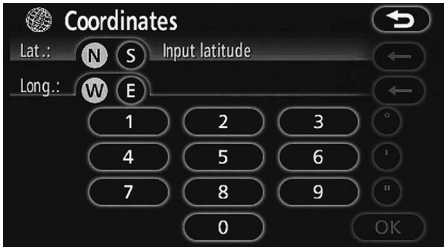
4. Touch the button of the desired entrance or exit name.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 50.)

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

— Destination search by “Coordinates”

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



2. Input the latitude and the longitude.

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

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 50.)

— Destination search by "Phone #"

1. Touch "Phone #" on the second page of the "Destination" screen.



2. Input a telephone number.

3. After inputting a telephone number, touch "OK".

The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 50.)

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

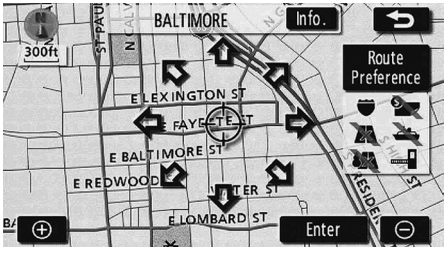


INFORMATION

- ***If there is no match for the telephone number inputted, a list of identical numbers with different area codes will be displayed.***
- ***To set a memory point as a destination using the phone number, the number must be registered previously. (See page 88.)***

Starting route guidance

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



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

Releasing the finger from the arrow will stop the scrolling.

2. Touch "Enter".

The system starts route search and displays recommended routes.

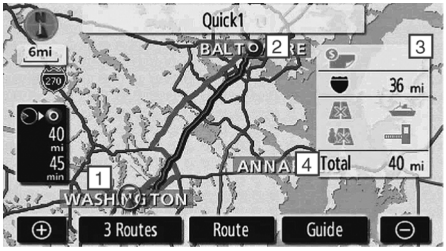
If there is already a set destination, **"Add to ⊙"** and **"Replace ⊙"** are displayed.

"Add to ⊙": To add a destination.

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

"Route Preference": To change the route preference. (See page 52.)

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



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

3. To start guidance, touch "Guide".

"3 Routes": To select the desired route from three possible routes. (See page 52.)

"Route": To change the route. (See pages 62 and 64.)

INFORMATION

- ***Guidance can be suspended or resumed. (See "Suspending and resuming guidance" on page 78.)***
- ***If "Guide" is touched until a beep sounds, demo mode will start. Push the "MAP/VOICE" button to finish Demo mode.***
- ***The route for returning may not be the same as that for going.***
- ***The route guidance to the destination may not be the shortest route nor a route without traffic congestion.***
- ***Route guidance may not be available if there is no road data for the specified location.***
- ***When setting the destination on a map with a scale larger than 0.5 miles (800 m) , the map scale changes to 0.5 miles (800 m) automatically. Set the destination again.***
- ***If a destination is entered, the road nearest to the point you selected is set as the destination.***

⚠ CAUTION

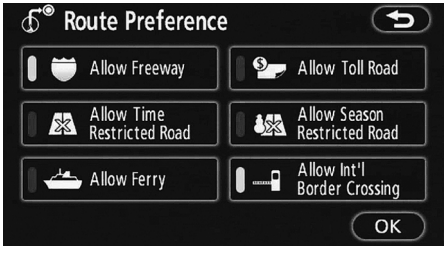
Be sure to obey traffic regulations and keep road conditions in mind while driving. If a traffic sign on the road has been changed, the route guidance may provide wrong information.

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

ROUTE PREFERENCE



1. You can change route preference by touching "Route Preference".



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

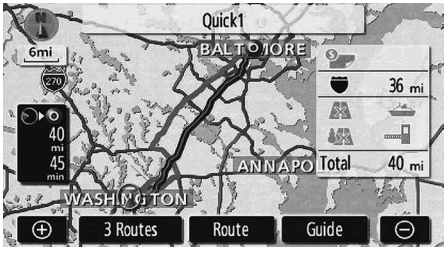
When searching for a route, the system will avoid routes when the indicator is off.

3. After choosing the desired route preference, touch "OK".

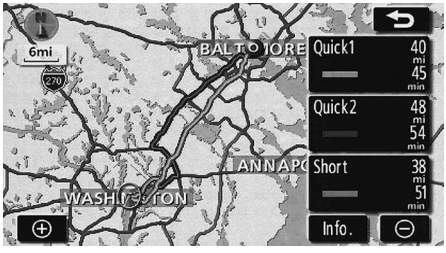
INFORMATION

- ***Even if the "Allow Freeway" indicator is dimmed, the route cannot avoid including a freeway in some cases.***
- ***If the calculated route includes a trip by ferry, the route guidance shows a sea route. After you travel by ferry, the current vehicle position may be incorrect. Upon reception of GPS signals, it is automatically corrected.***

3 ROUTES SELECTION



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



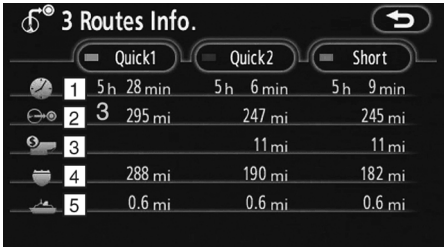
2. Touch "Quick1", "Quick2" or "Short" to select the desired route.

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

"Quick2": Alternative route.
This route is indicated by a purple line.

"Short": A route by which you can reach the destination in the shortest distance.
This route is indicated by a green line.

"Info.": To display the following information about each of the 3 routes.



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

SECTION IV

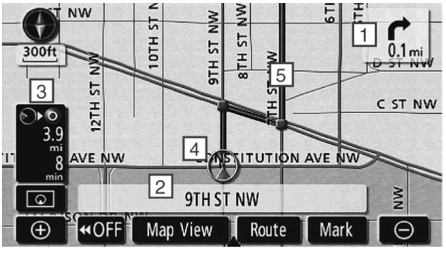
ROUTE GUIDANCE

- Route guidance screen 56
- Typical voice guidance prompts 59
- Distance and time to destination 61
- **Setting and deleting destination** 62
  - Adding destinations 62
  - Reordering destinations 62
  - Deleting destinations 63
- **Setting route** 64
  - Search condition 64
  - Detour setting 65
  - Route preference 67
  - Starting route from adjacent road 67
- **Map view** 68
  - Display POI icons 68
  - Route overview 71
  - Route preview 72
  - Route trace 73

Route guidance screen

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

- **Screen layout**



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

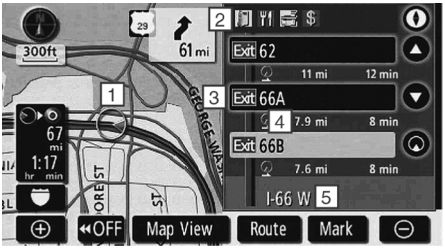
INFORMATION

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

- **During freeway driving**

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

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



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

: To display the selected map of the exit vicinity.

: To scroll for farther junctions or exits.

: To scroll for closer junctions or exits.

: To scroll for the closest three junctions or exits.

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

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



1 **Road/area name**

2 **Distance from the current position to the exit or junction**

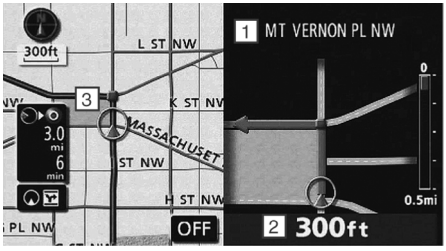
3 **Current position**

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

When touching or pushing the **"MAP/VOICE"** button, the guidance screen on freeway reappears. (See page 22.)

- **When approaching an intersection**

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



1 **Next street name**

2 **Distance to the intersection**

3 **Current position**

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

When touching or pushing the **"MAP/VOICE"** button, the intersection guidance screen reappears. (See page 22.)

- **Other screens**

TURN LIST SCREEN

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

Touching during guidance displays the turn list. (See page 22.)

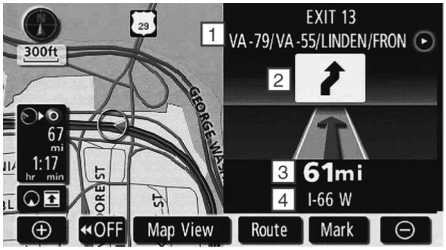


1 **Next street name or destination name**
2 **Turn direction**
3 **Distance between turns**
4 **Current street name**

ARROW SCREEN

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

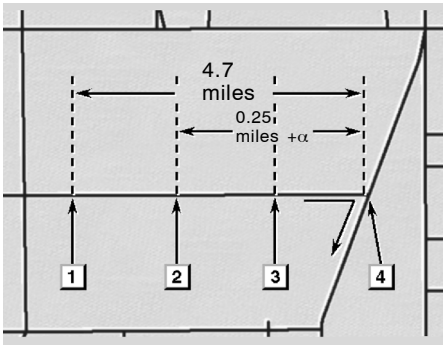
Touching during guidance displays the arrow screen. (See page 22.)



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

Typical voice guidance prompts

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

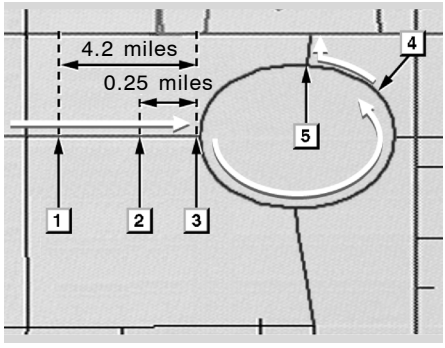


1 ♪ "Proceed about 5 miles."

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

3 ♪ "Right turn."

4 ♪♪ (Beep sound only)



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

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

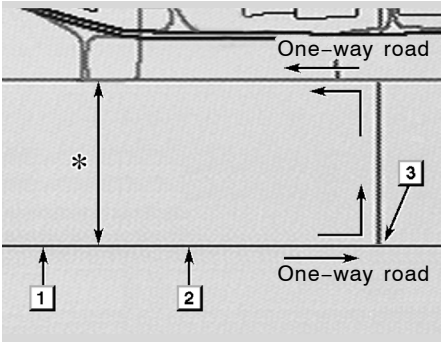
3 ♪ "The 3rd exit ahead."

4 ♪ "The exit ahead."

5 ♪♪ (Beep sound only)

INFORMATION

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

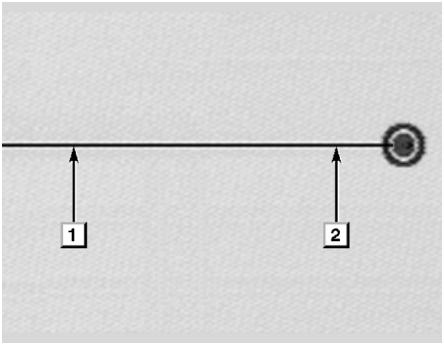


*: The system indicates a U−turn if the distance between two one−way roads (of opposite directions) is less than 50 feet (15 m) in residential areas or 164 feet (50 m) in non−residential areas.

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

2 ♪ "Make a legal U−turn ahead."

3 ♪♪ (Beep sound only)



The system announces the approach to the final destination.

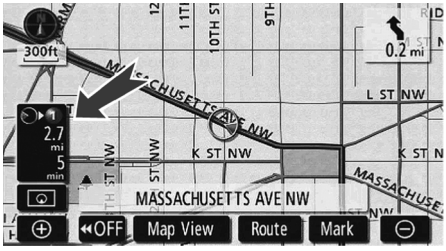
1 ♪ "Your destination is ahead."

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

INFORMATION

- ***If the system cannot determine the current vehicle position correctly (in cases of poor GPS signal reception), the voice guidance may be made early or delayed.***
- ***If you did not hear the voice guidance command, push the "MAP/VOICE" button to hear it again.***
- ***To adjust the voice guidance volume, see "Volume" on page 79.***

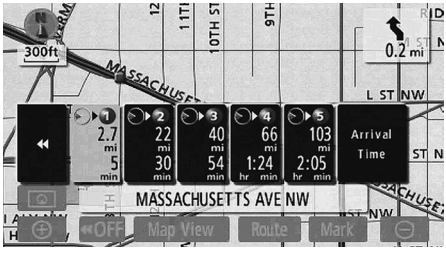
Distance and time to destination



When the vehicle is on the guidance route, the distance and the estimated travel/arrival time to the destination are displayed. When the vehicle is not on the guidance route, the distance and the direction of the destination are displayed.

When driving on the guidance route and more than one destination is set, the distance and the estimated travel/arrival time from the current position to each destination are displayed.

1. Touch this button to display the following screen.



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

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



Estimated travel time is displayed.



Estimated arrival time is displayed.



To switch to estimated arrival time.



To switch to estimated travel time.



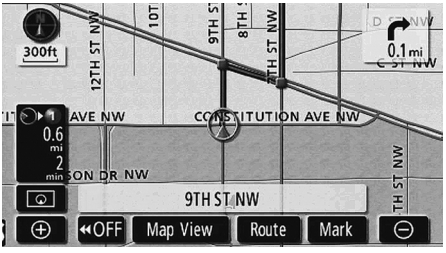
Displayed while driving off the guidance route. The destination direction is indicated by an arrow.

INFORMATION

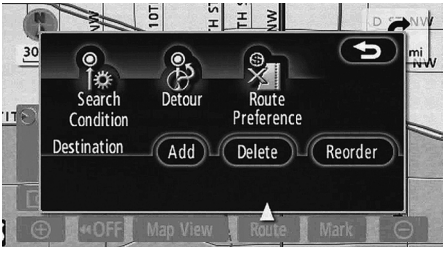
When the vehicle is on the guidance route, the distance measured along the route is displayed. Travel time and arrival time is calculated based on the set vehicle speed information. (See page 96.) However, when the vehicle is not on the guidance route, the distance is the linear distance between the current position and the destination.

Setting and deleting destination — — Adding destinations

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



1. Touch “Route”.



2. Touch “Add”.

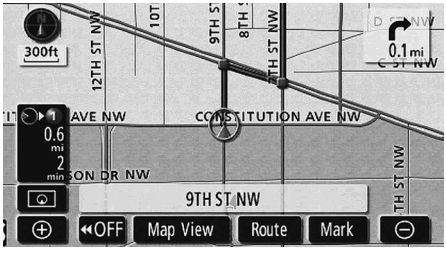
3. Input an additional destination in the same way as the destination search. (See “Destination search” on page 31.)



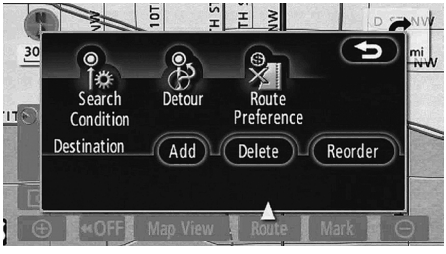
4. Touch the desired “Add” to determine the arrival order of the additional destination.

— Reordering destinations

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



1. Touch “Route”.



2. Touch “Reorder”.



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

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

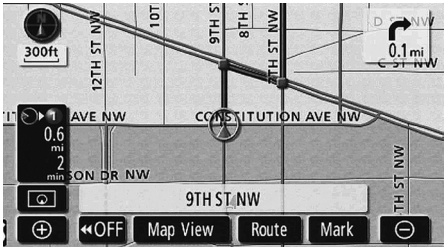
Touching **“Undo”** will cancel each selected order number from the previously input number.

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

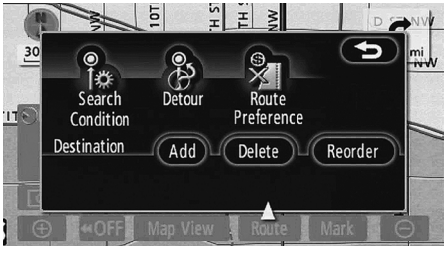
The system searches for the guidance route again, and displays the entire route. Even if **“OK”** is not touched, the entire route is displayed automatically within a few seconds when the order is fixed.

— Deleting destinations

A set destination can be deleted.

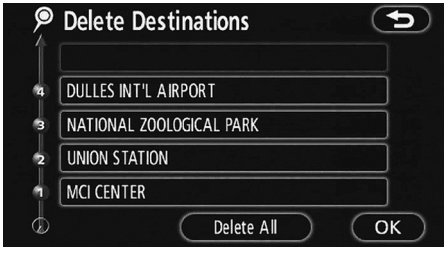


1. Touch “Route”.



2. Touch “Delete”.

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



3. Touch the destination for deletion.

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

A message appears to confirm the request to delete.

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

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

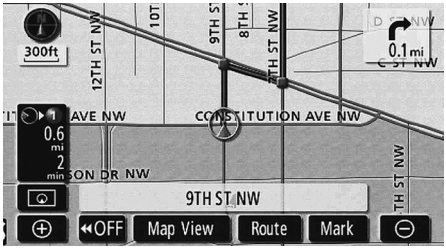
If **"No"** is touched, the previous screen will return.

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

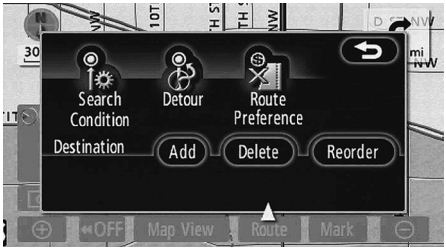
The system searches for the guidance route again, and displays the entire route.

Setting route — — Search condition

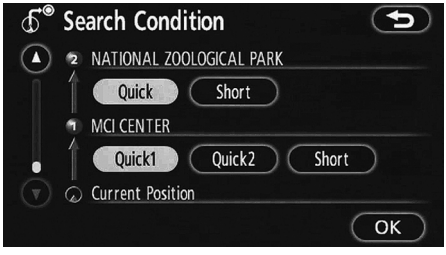
You can designate the route conditions of the route to the destination.



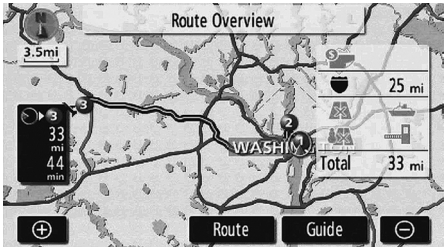
1. Touch "Route".



2. Touch "Search Condition".



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



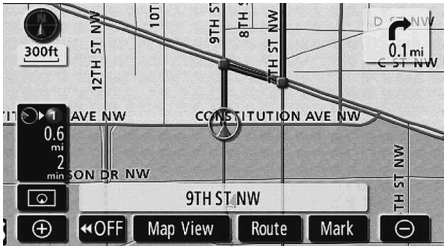
The entire route from the starting point to the destination is displayed.

"Guide": To start guidance.

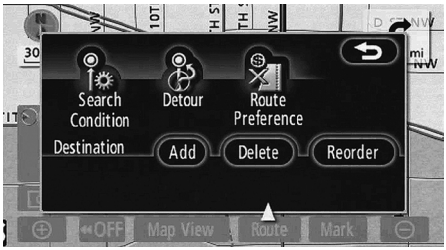
"Route": To change the route. (See pages 62 and 64.)

— Detour setting

While the route guidance is operating, you can change the route to detour around a section of the route where a delay is caused by road repairs, or an accident, etc.



1. Touch "Route".



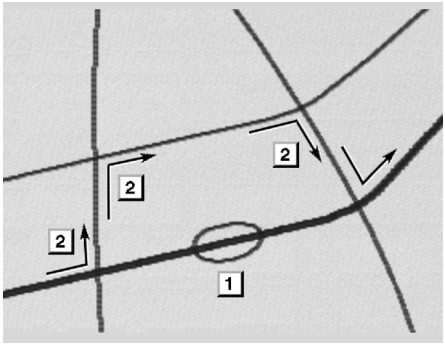
2. Touch "Detour".



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

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

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



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

1 This position indicates the location of a traffic jam caused by road repairs or an accident.

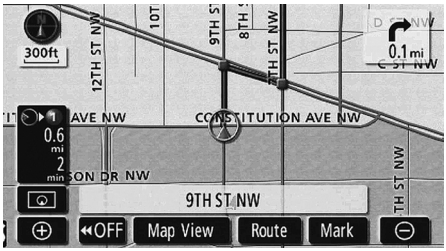
2 This route indicates the detour suggested by the system.

INFORMATION

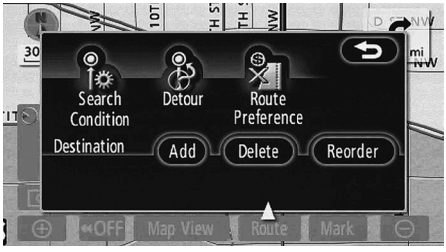
- ***When your vehicle is on a freeway, the detour distance selections are 5, 15, and 25 miles (km).***
- ***The system may not be able to calculate a detour route depending on the selected distance and surrounding road conditions.***

— Route preference

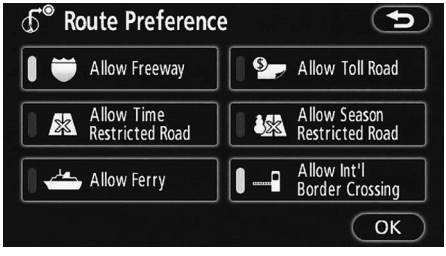
A number of choices are provided on the conditions which the system uses to determine the route to the destination.



1. Touch “Route”.



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



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

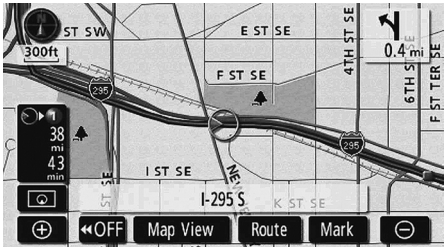
When searching for a route, the system will avoid routes when the indicator is off.

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

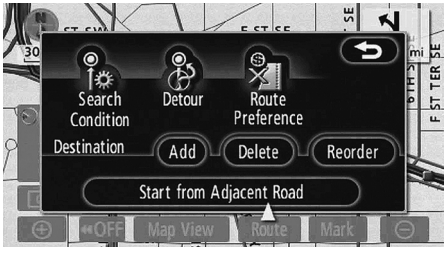
— Starting route from adjacent road

You can start the route guidance from the adjacent road.

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



1. Touch “Route”.

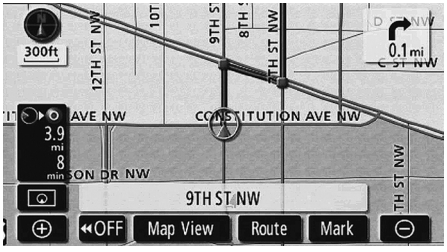


2. Touch “Start from Adjacent Road”.

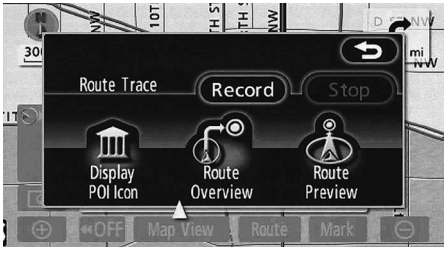
When there is no adjacent road, this button will not be displayed.

Map view — — Display POI icons

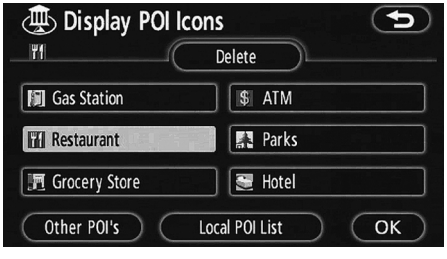
Points of Interest such as gas stations and restaurants can be displayed on the map screen. You can also set their location as a destination and use them for route guidance.



1. Touch “Map View”.



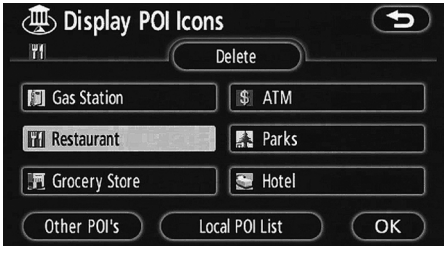
2. Touch “Display POI Icon” to display a particular type of Point of Interest on the screen.



A screen with a limited choice of Points of Interest will be displayed. (To change the displayed POI, see page 99.)

- **Selecting POIs to be displayed**

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



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

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

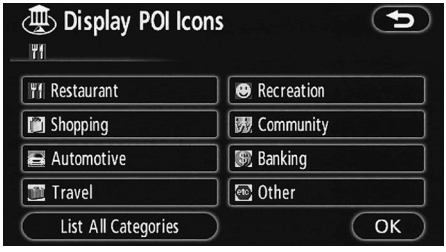
To turn off the Points of Interest icon on the map screen, touch **“Delete”**.

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

“Local POI List”: When searching for the nearest Point of Interest, touch this button. Then choose one of the categories. The system will list the points within 20 miles (32 km). (See page 70.)

Touch "Other POI's" on the "Display POI icons" screen.

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

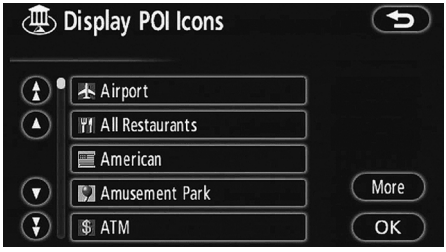


Select the desired POI categories.

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

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

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



Select the desired POI categories from the list.

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

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

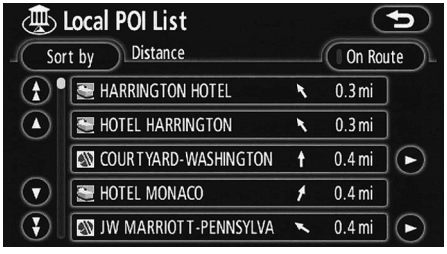
To return to the POI category selection screen, touch **"More"**.

- **To display the local POI list**

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



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



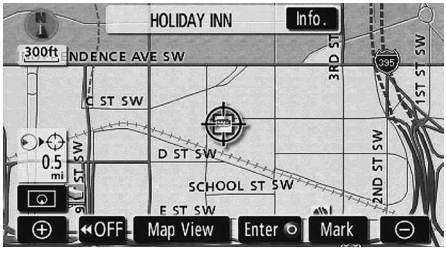
2. Touch the button of the desired Point of Interest.

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

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

- **To set a POI as a destination**

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



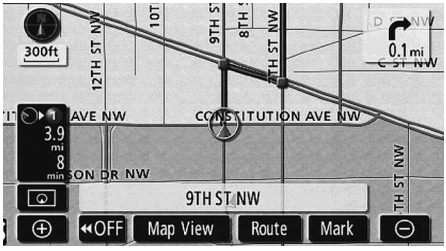
1. Directly touch the Point of Interest icon that you want to set as a destination.

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

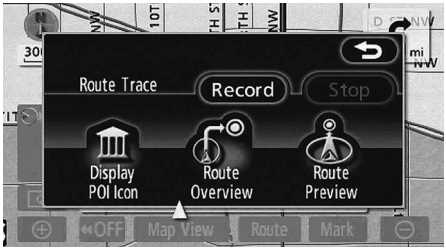
2. When the desired Point of Interest overlaps with the cursor, touch "Enter ⊙".

The screen changes and displays the map location of the selected destination and route preference. (See "Starting route guidance" on page 50.)

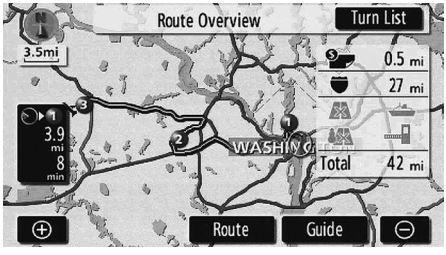
— Route overview



1. Touch “Map View”.



2. Touch “Route Overview”.



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

“Guide”: To start guidance.

“Route”: To change the route. (See pages 62 and 64.)

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

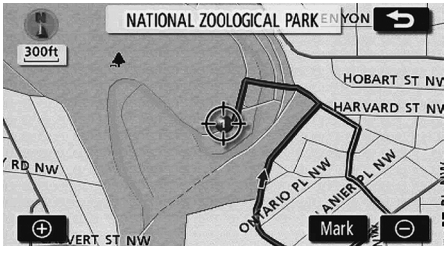


You can scroll through the list of roads by touching ▲ or ▼. However, not all road names in the route may appear on the list. If a road changes its name without requiring a turn (such as on a street that runs through two or more cities), the name change will not appear on the list. The street names will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

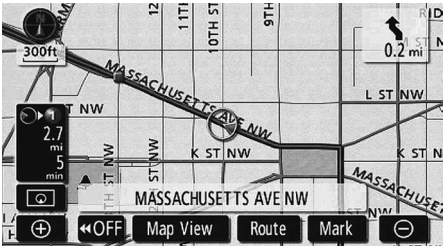
These marks indicate the direction in which you should turn at an intersection.

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

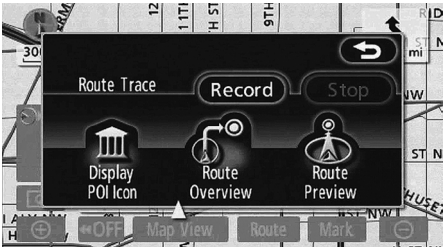
The point which you choose is displayed on the map screen.



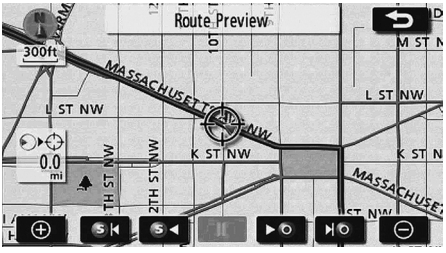
— Route preview



1. **Touch “Map View”.**



2. **Touch “Route Preview”.**



: To indicate the next destination.

: To preview the route to the next destination.

: To preview the route to the next destination in fast−forward mode.

: To stop the preview.

: To review the route to the previous destination or starting point.

: To review the route to the previous destination or starting point in fast−forward mode.

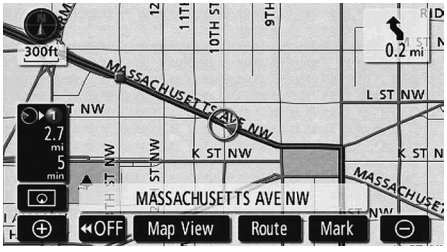
: To indicate the previous destination or starting point.

— Route trace

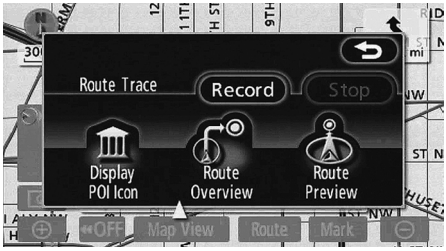
It is possible to store the traveled route up to 124 miles (200 km) and retrace the route on the display.

INFORMATION

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



Touch "Map View".



"Record": To start recording the route trace.

"Stop": To stop recording the route trace.

If you touch **"Stop"** to display the following screen.



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

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

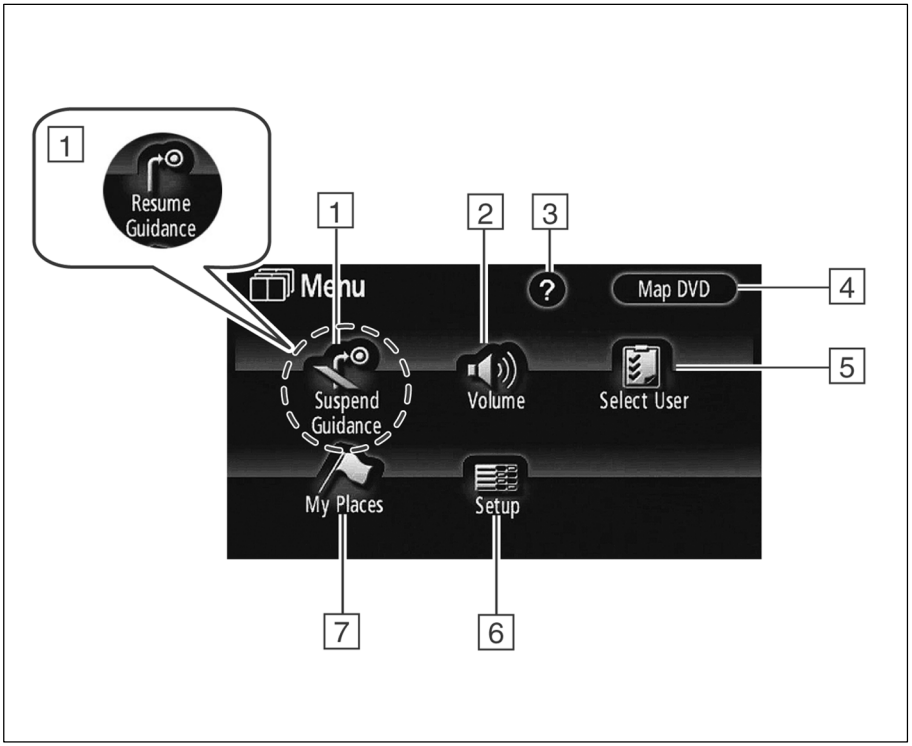
SECTION V

ADVANCED FUNCTIONS

Descriptions of functions for more effective use

- Quick reference (“Menu” screen) 76
- Quick reference (“Setup” screen) 77
- Suspending and resuming guidance 78
- Volume 79
- User selection 80
- **My places** 82
  - Registering memory points 83
  - Editing memory points 84
  - Deleting memory points 89
  - Registering home 89
  - Deleting home 90
  - Registering area to avoid 90
  - Editing area to avoid 91
  - Deleting area to avoid 94
  - Deleting previous points 95
- Setup 95

Quick reference ("Menu" screen)



1 "Suspend Guidance" and "Resume Guidance"

Suspends or resumes guidance. 78

2 "Volume"

Sets the volume for voice guidance. 79

3 "?"

Function help for the "Menu" screen can be viewed on this screen. 17

4 "Map DVD"

Displays information regarding the disc version or covered area. 119

5 "Select User"

Up to 3 different settings for different users can be memorized. 80

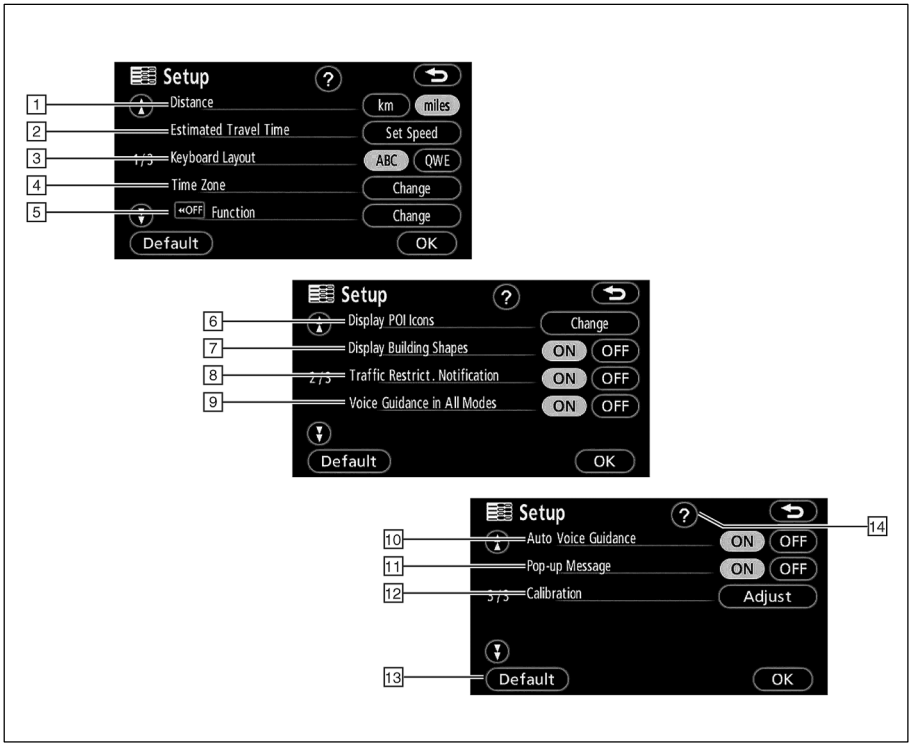
6 "Setup"

Enables various settings for the navigation system. 77, 95

7 "My Places"

Enables changes to "Memory points", "Home" and "Areas to avoid". Enables deletion of the previous point. 82

Quick reference (“Setup” screen)



1 “Distance”

The distance units **“km”** or **“miles”** can be selected. 96

2 “Estimated Travel Time”

The system to display the travel time and the arrival time to the destination on the route guidance screen can be set. 96

3 “Keyboard Layout”

Key layout can be changed. 97

4 “Time Zone”

The desired time zone can be selected. 98

5 “ Function”

The choice whether to display each touch–screen button and current street name on the map screen can be set. 99

6 “Display POI Icons”

A selection of 6 icons displayed on the “Display POI Icons” top screen is possible. 99

7 “Display Building Shapes”

Selection of either ON or OFF to display the building shape on the map screen is possible. 100

8 “Traffic Restrict. Notification”

Notification of seasonal restrictions can be selected. 101

9 “Voice Guidance in All Modes”

Voice guidance can be set in all modes. 101

10 “Auto Voice Guidance”

Automatic voice guidance can be set. 102

11 “Pop−up Message”

Selection of either ON or OFF to display the pop−up message is possible. . . 102

12 “Calibration”

Adjustment of the current vehicle position mark can be done manually. 103

13 “Default”

This touch−screen button initializes all of the settings. 95

14 “?”

Function help for the “Setup” screen can be viewed. 17

Suspending and resuming guidance

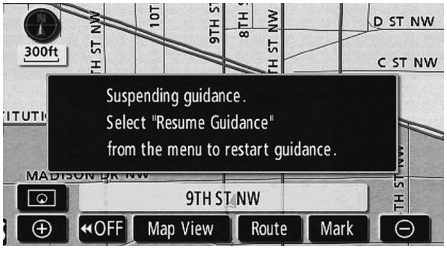
- **To suspend guidance**

1. Push the “MENU” button.



2. Touch “Suspend Guidance”.

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



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

- **To resume guidance**

1. Push the “MENU” button.



2. Touch “Resume Guidance”.



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

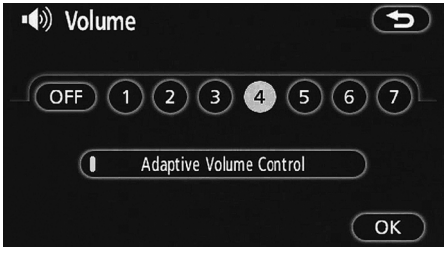
Volume

The voice guidance volume can be adjusted or switched off.

1. Push the “MENU” button.



2. Touch “Volume”.



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

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

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

3. Touch “OK” to confirm your selection.

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

"Adaptive Volume Control": By turning "Adaptive Volume Control" on, the volume is turned up automatically when the vehicle speed exceeds 50 mph (80 km/h).

To turn the "Adaptive Volume Control" system on, touch the button. The indicator will be highlighted.

User selection

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

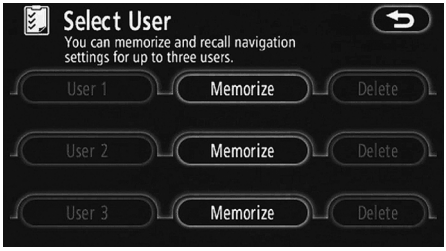
- Map direction
- Map scale
- Map configuration
- Guidance mode
- Setup
- Volume
- Language
- Route trace
- Travel time/arrival time
- Right screen of dual map
- Road preference
- Maintenance notification

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



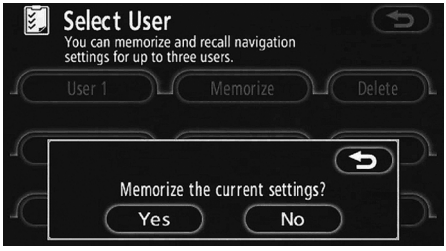
2. **Touch "Select User".**

- **To register**



1. Touch “Memorize”.

The confirmation screen will be displayed.



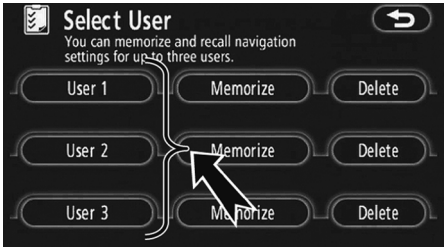
2. To register, touch “Yes”. To return to the previous screen, touch “No” or .

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

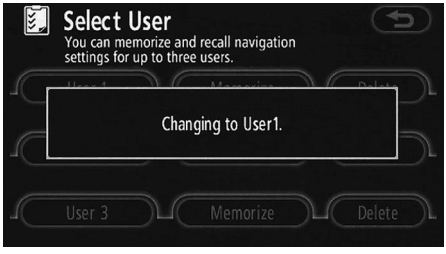


To replace, touch **“Yes”**. To cancel the replacement, touch **“No”** or .

- **To change user**

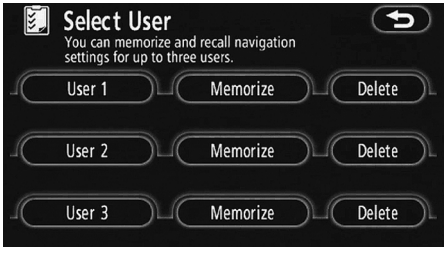


Touch “User number”.



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

- **To delete user**



1. Touch "Delete".

The confirmation screen will be displayed.



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

My places —

Points or areas on the map can be registered.

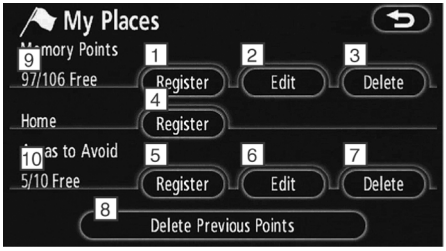
The registered points can be used on the "Destination" screen. (See "— Destination search by Home" on page 34, "— Destination search by Quick access" on page 34 and "— Destination search by Memory" on page 46.)

Registered areas are avoided at the time of route search.

1. Push the "MENU" button.



2. Touch "My Places".



On this screen, the following operations can be performed.

1 **Registers memory points** (See "— Registering memory points" on page 83.)

2 **Edits memory points** (See "— Editing memory points" on page 84.)

3 **Deletes memory points** (See "— Deleting memory points" on page 89.)

4 **Registers or deletes home** (See "— Registering home" on page 89 or "— Deleting home" on page 90.)

5 **Registers areas to avoid** (See "— Registering area to avoid" on page 90.)

6 **Edits areas to avoid** (See "— Editing area to avoid" on page 91.)

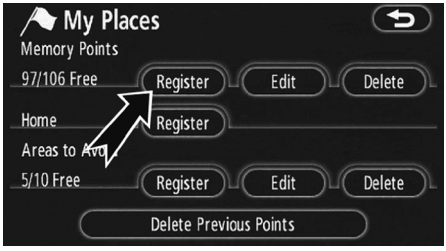
7 **Deletes areas to avoid** (See "— Deleting area to avoid" on page 94.)

8 **Deletes previous points** (See "— Deleting previous points" on page 95.)

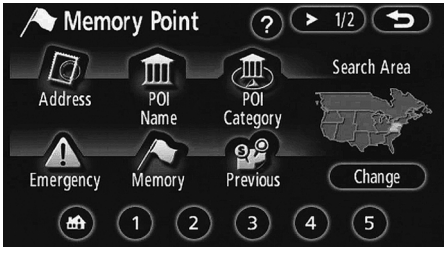
9 **Number of remaining memory points**

10 **Number of remaining areas to avoid**

— Registering memory points

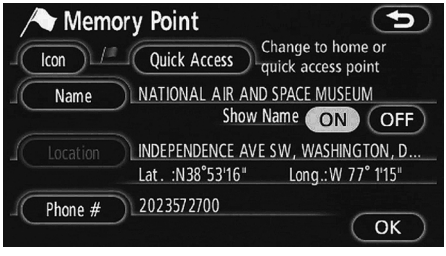


1. Touch "Register".



2. Enter the location in the same way as for a destination search. (See "Destination search" on page 31.)

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



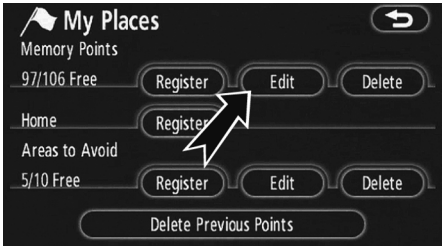
3. Touch "OK".

To edit registered information, see "— Editing memory Points" on page 84.

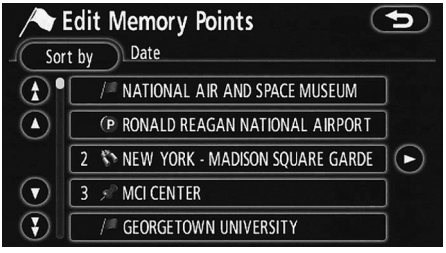
INFORMATION
Up to 106 memory points can be registered.

— Editing memory points

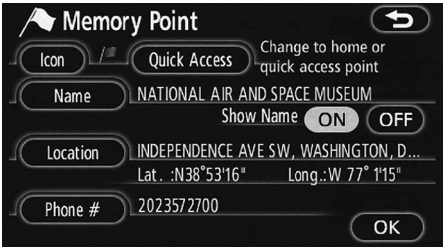
The icon, attribute, name, location and/or telephone number of a registered memory point can be edited.



1. Touch “Edit”.



2. Touch the desired memory point button.



3. Touch the button to be edited.

“Icon”: To select icons to be displayed on the map. (See page 85.)

“Quick Access”: To set an attribute. Memory points with a set attribute can be used as a “Quick access” or “Home” button. (See page 86.)

“Name”: To edit memory point names. The names can be displayed on the map. (See page 87.)

“Location”: To edit location information. (See page 88.)

“Phone #”: To edit telephone numbers. (See page 88.)

4. Touch “OK”.

- **To change "Icon"**

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



2. Touch the desired icon.

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

SOUND ICONS

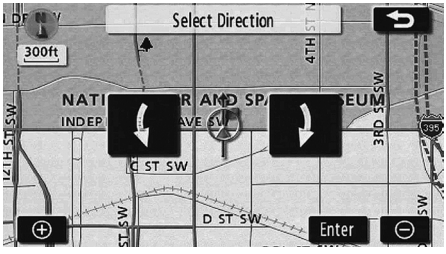
When the vehicle approaches the memory point, the selected sound will be heard.

1. Touch "with Sound" on the "Change Icon" screen.



2. Touch the desired sound icon.

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



Touch either ◀ or ▶ to adjust the direction. Touch "Enter".

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

- **To change “Quick Access”**

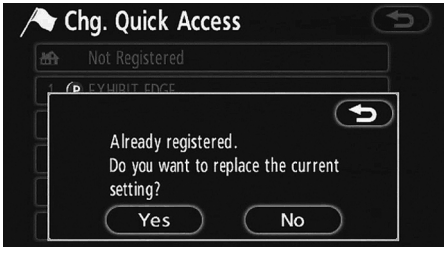
It is possible to change attributes of the quick access points. Memory points with a set attribute can be used as a “Quick Access” or “Home” touch–screen button. (See “ — Destination search by Home” on page 34 and “ — Destination search by Quick access” on page 34.)

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



2. Touch the desired attribute.

It is possible to replace a registered attribute.



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

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

DELETING “Quick Access”



1. Touch “Del.”.



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

- **To change “Name”**

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



2. Enter the name using the alphanumeric keys.

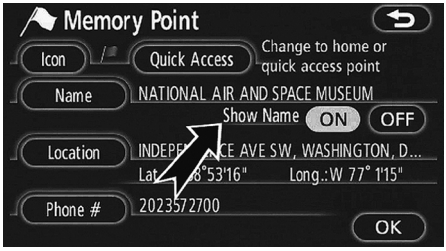
Up to 24 letters can be entered.

3. Touch “OK”.

The previous screen will be displayed.

DISPLAYING MEMORY POINT NAMES

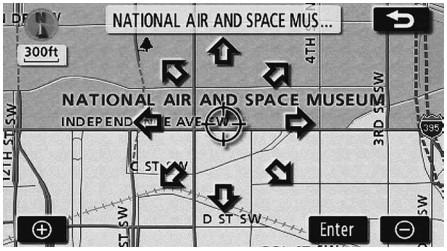
The name of a memory point that may be displayed on the map can be set.



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

- **To change “Location”**

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



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

3. Touch “Enter”.

The previous screen will be displayed.

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

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



2. Enter the number using number keys.

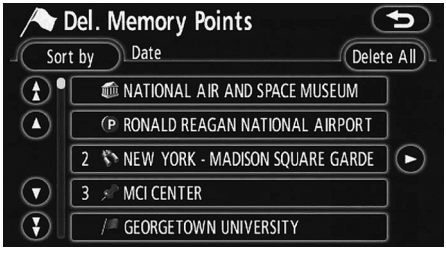
3. Touch “OK”.

The previous screen will be displayed.

— Deleting memory points



1. Touch “Delete”.



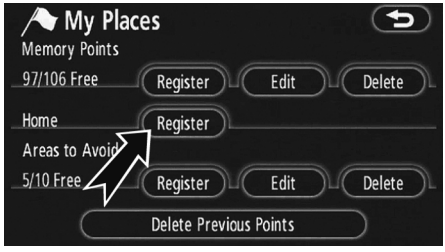
2. Touch the button to be deleted.

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

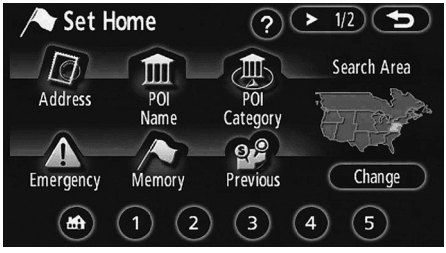
3. To delete the memory point, touch “Yes”. To cancel the deletion, touch “No”.

— Registering home

If home has been registered, that information can be recalled by using the “Home” touch–screen button on the “Destination” screen. (See “ — Destination search by Home” on page 34.)



1. Touch “Register”.



2. Enter the location in the same way as for a destination search. (See “Destination search” on page 31.)

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



3. Touch “OK”.

To edit registered information, see “ — Editing memory points” on page 84.

— Deleting home



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

— Registering area to avoid

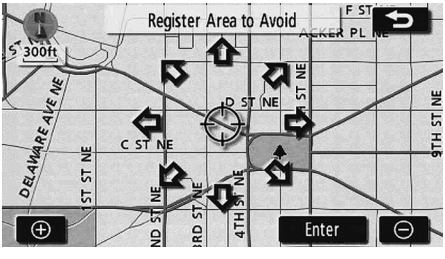
Areas you want to avoid because of traffic jams, construction work or other reasons can be registered as areas to avoid.



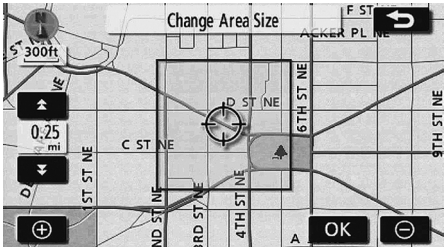
1. **Touch “Register”.**



2. **Enter the location in the same way as for a destination search, or display the map of the area to be avoided.** (See “Destination search” on page 31.)



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



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

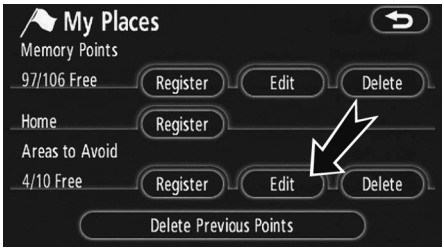
6. Touch “OK”.

INFORMATION

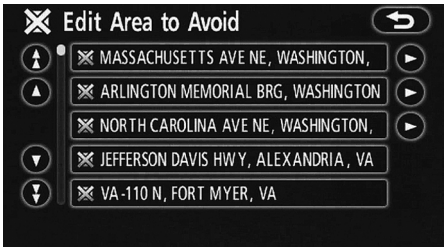
- ***If a destination is input in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to be avoided may be shown.***
- ***Up to 10 locations can be registered as points/areas to avoid. If there are 10 locations already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

— Editing area to avoid

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



1. Touch “Edit”.



2. Touch the desired area button.



3. Touch the button to be edited.

"Name": To edit the name of the area to avoid. The names can be displayed on the map. (See page 92.)

"Location": To edit area location. (See page 93.)

"Area Size": To edit area size. (See page 94.)

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

4. Touch "OK".

- **To change "Name"**

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



2. Enter the name using alphanumeric keys.

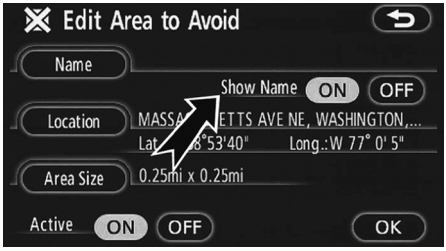
Up to 24 letters can be entered.

3. Touch "OK".

The previous screen will be displayed.

DISPLAYING NAMES OF AREAS TO BE AVOIDED

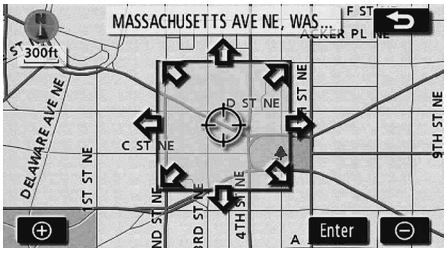
The name of an area to be avoided that may be displayed on the map can be set.



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

- **To change "Location"**

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



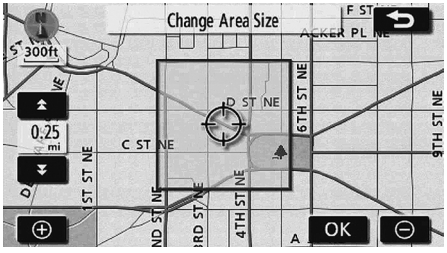
2. Touch the eight directional touch-screen button to move the cursor ⌖ to the desired point on the map.

3. Touch "Enter".

The previous screen will be displayed.

- **To change “Area Size”**

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

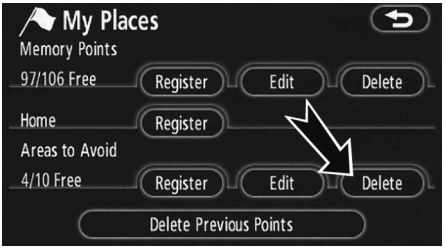


2. Touch either ▲▲ or ▼▼ to change the size of the area to be avoided.

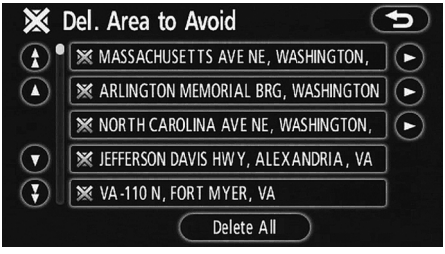
3. Touch “OK”.

The previous screen will be displayed.

— Deleting area to avoid



1. Touch “Delete”.



2. Touch the button to be deleted.

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

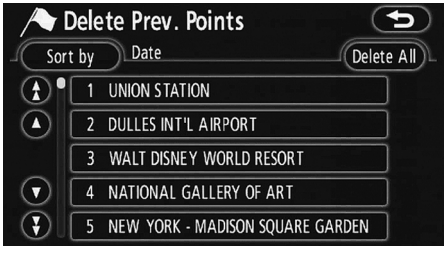
3. To delete the area, touch “Yes”. To cancel the deletion, touch “No”.

— Deleting previous points

The previous destination can be deleted.



1. Touch “Delete Previous Points”.



2. Touch the button you want to delete.

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



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

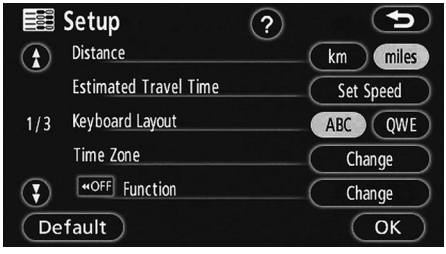
Setup

Setting the items shown on the “Setup” screen can be done. (See page 77.)

1. Push the “MENU” button.



2. Touch “Setup”.



3. Touch the items to be set.

4. Touch “OK”.

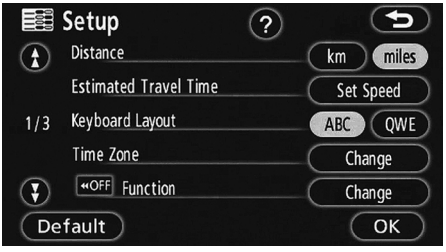
The previous screen will be displayed.

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

- **Distance unit**

The distance units can be changed.

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



2. Touch “km” or “miles” of “Distance” to choose the distance unit.

The selected button is highlighted.

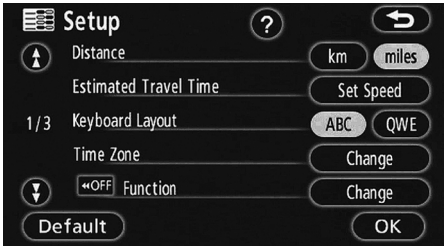
3. Touch “OK”.

INFORMATION
This function is available only in English or Spanish. To switch language, see “Selecting a language” on page 118.

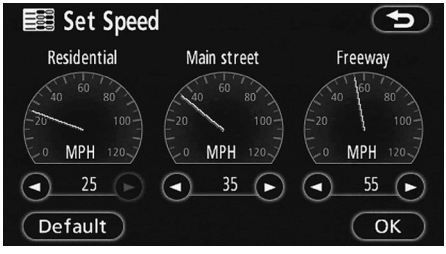
- **Estimated travel time**

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

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



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



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

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

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

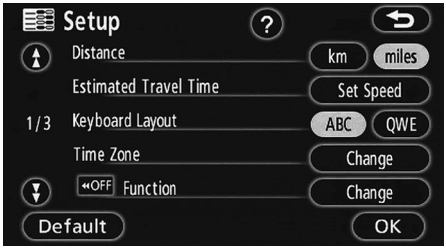
INFORMATION

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

- **Input key layout**

Key layout can be changed.

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



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

LAYOUT TYPE



▶ **“ABC” type**



▶ **“QWE” type**

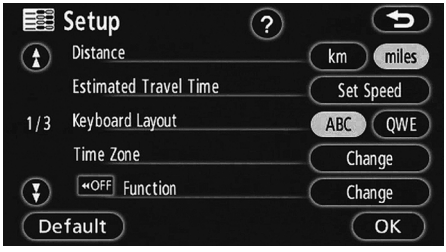
The selected button is highlighted.

3. Touch “OK”.

- **Time zone**

Time zone can be changed.

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



2. Touch “Change” of “Time Zone”.

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



3. Touch the desired time zone.

The selected button is highlighted.

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

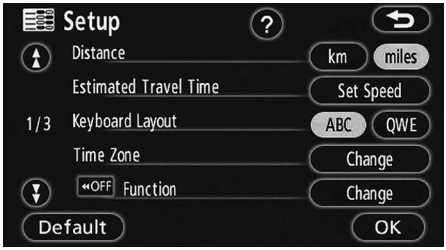
To set daylight saving time, touch **“ON”**, and to cancel it, touch **“OFF”**.

4. Touch “OK”.

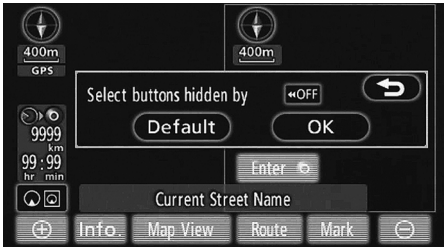
- **Screen layout function (OFF Function)**

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

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



2. Touch “Change” of “ OFF Function”.



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

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

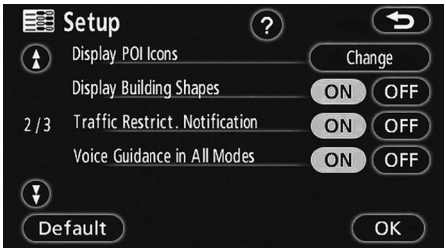
4. Touch “OK”.

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

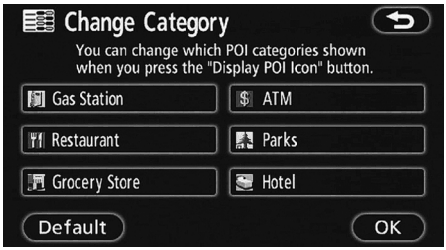
Select from among the 6 icons displayed on the “Display POI Icons” top screen, so that setting of the icons to be displayed on the map screen can be done easily.

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

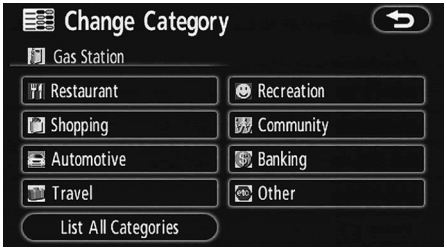
Then touch ▼ to display page 2 of the “Setup” screen.



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



3. Touch the category button to be changed.



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

5. Touch "OK".

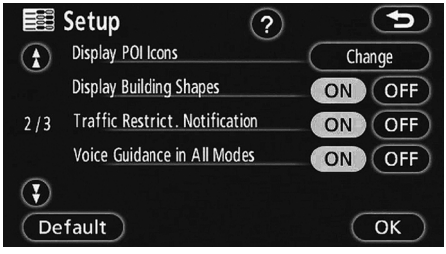
- **Display of building shape**

When the "Display Building Shapes" feature is turned on, the system will display the building shape on the map screen using a scale of 150 feet (50 m) to 300 feet (100 m).

To turn the "Display Building Shapes" on:

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

Then touch to display page 2 of the "Setup" screen.



2. Touch "ON" of "Display Building Shapes".

The selected button is highlighted.

3. Touch "OK".

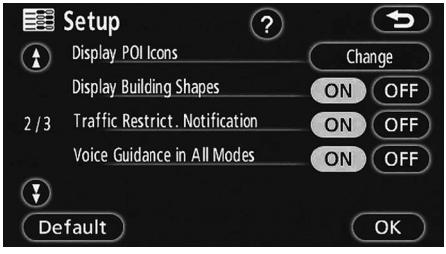
- **Notifying traffic restriction**

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

To turn the “Traffic Restrict. Notification” on:

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

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



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

The selected button is highlighted.

3. Touch “OK”.

- **Voice guidance in all modes**

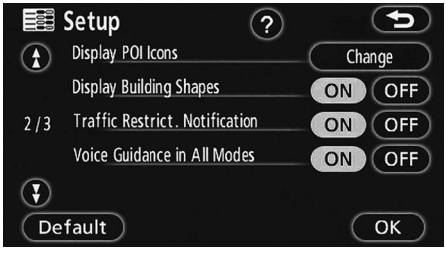
When the “Voice Guidance in All Modes” feature is turned on, the voice guidance in all modes can be heard.

When the “Voice Guidance in All Modes” feature is turned off, voice guidance cannot be heard when using the audio system.

To turn the “Voice Guidance in All Modes” on:

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

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



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

The selected button is highlighted.

3. Touch “OK”.

- **Auto voice guidance**

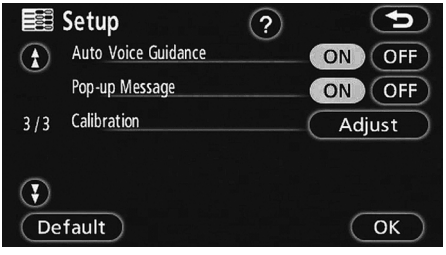
When the “Auto Voice Guidance” feature is turned on, the voice guidance can be heard automatically.

When the “Auto Voice Guidance” feature is turned off, the voice guidance can be heard only if the **“MAP/VOICE”** button is pushed.

To turn the “Auto Voice Guidance” mode on:

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

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



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

The selected button is highlighted.

3. Touch “OK”.

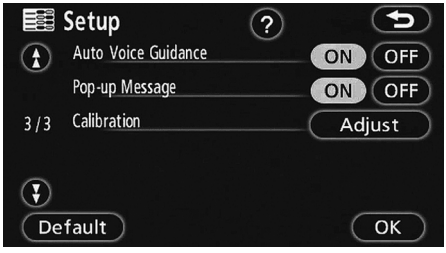
- **Pop−up message**

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

To turn the “Pop−up Message” on:

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

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

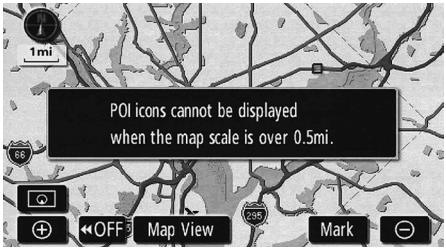


2. Touch “ON” of “Pop−up Message”.

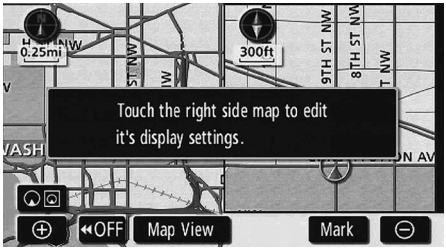
The selected button is highlighted.

3. Touch “OK”.

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



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



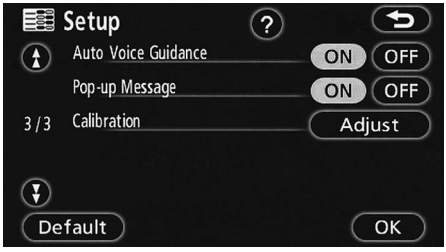
The message appears when the map is switched to the dual map screen mode.

- **Current position/tire change calibration**

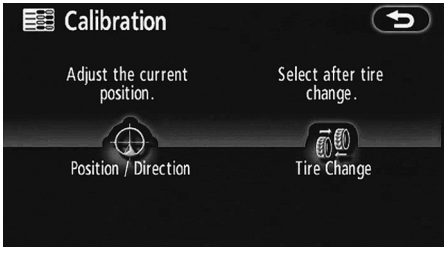
The current vehicle position mark can be adjusted manually. Miscalculation of the distance caused by tire replacement can also be adjusted.

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

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



2. Touch "Adjust" of "Calibration".

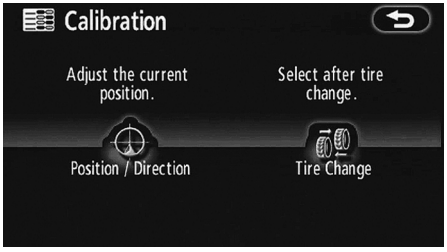


3. Touch the desired button.

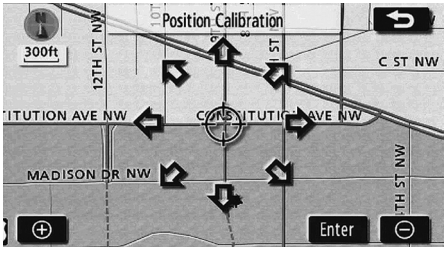
INFORMATION
For additional information on the accuracy of a current vehicle position, see "Limitations of the navigation system" on page 180.

POSITION/DIRECTION CALIBRATION

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

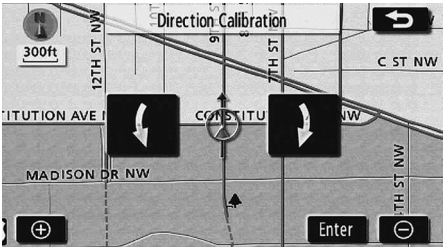


1. Touch "Position/Direction".



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

3. Touch "Enter".



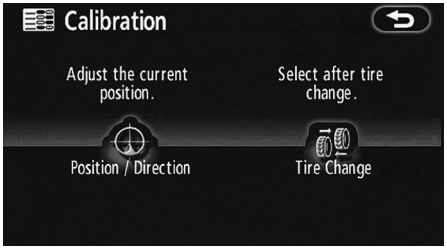
4. Touch either ◀ or ▶ to adjust the direction of the current vehicle position mark.

5. Touch "Enter".

The map screen will be displayed.

TIRE CHANGE CALIBRATION

The tire change calibration function will be used when replacing the tires. This function will adjust the miscalculation caused by the circumference difference between the old and new tires. If this procedure is not performed when the tires are replaced, the current vehicle position mark may be incorrectly displayed.



To perform a distance calibration procedure, touch "Tire Change" on the "Calibration" screen.

The message appears and the quick distance calibration is automatically started. A few seconds later, a map screen will be displayed.

SECTION VI

OTHER FUNCTIONS

- **Maintenance information** 108
  - Maintenance information setting 108
  - Dealer setting 109
- **Calendar with memo** 111
  - Adding a memo 112
  - Editing a memo 113
  - Memo list 114
- Screen adjustment 115
- Settings 116
- Selecting a language 118
- Confirming the database version and disc coverage area 119

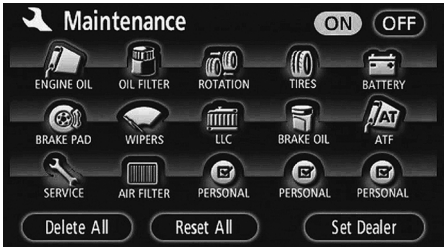
Maintenance information — — Maintenance information setting

When the navigation System is turned on, the "Information" screen displays when it is time to replace a part or certain components. (See page 4.)

1. Push the "INFO" button.



2. Touch "Maintenance".



3. Touch the desired button.

For details of each touch–screen button, see "INFORMATION ITEMS" on page 108.

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

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

"Set Dealer": To register or edit dealer information. (See " — Dealer setting" on page 109.)

If **"ON"** is selected, the system gives maintenance information with the "Information" screen when the system is turned on. (See page 4.)

If **"OFF"** is selected, the "Information" screen is disabled.

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

INFORMATION ITEMS

"ENGINE OIL": Replace engine oil

"OIL FILTER": Replace engine oil filter

"ROTATION": Rotate tires

"TIRES": Replace tires

"BATTERY": Replace battery

"BRAKE PAD": Replace brake linings

"WIPERS": Replace wiper blades

"LLC": Replace engine coolant

"BRAKE OIL": Replace brake fluid

"ATF": Replace ATF (Automatic Transmission Fluid)

"SERVICE": Scheduled maintenance

"AIR FILTER": Replace air filter

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



4. Input the conditions.

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

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

"Delete": To cancel the date and distance conditions.

"Reset": To reset the date and distance conditions.

5. Touch "OK".

The screen then returns to the "Maintenance" screen.

INFORMATION

Depending on driving or road conditions, the actual date and distance may differ from the stored date and distance in the system.

— Dealer setting

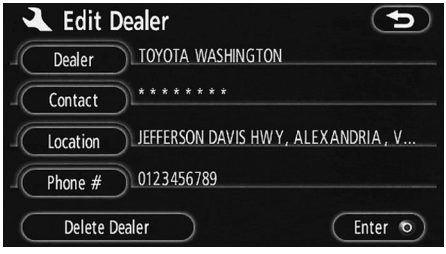
It is possible to register a dealer in the system. With dealer information registered, route guidance to the dealer is available.

1. Touch "Set Dealer" on the "Maintenance" screen.



2. If the dealer has not been registered, enter the location of the dealer in the same way as for a destination search. (See "Destination search" on page 31.)

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



3. Touch the button to be edited.

"Dealer": To enter the name of a dealer. (See page 110.)

"Contact": To enter the name of a dealer member. (See page 110.)

"Location": To set a location. (See page 110.)

"Phone #": To set a telephone number. (See page 111.)

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

"Enter ⊙": To set the displayed dealer as a destination. (See "Starting route guidance" on page 50.)

- **To edit “Dealer” or “Contact”**

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



2. Enter the name using the alphanumeric keys.

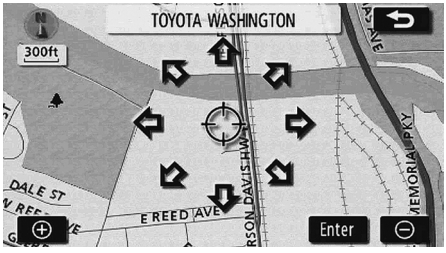
Up to 24 letters can be entered.

3. Touch “OK”.

The previous screen will be displayed.

- **To edit “Location”**

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



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

3. Touch “Enter”.

The previous screen will be displayed.

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

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



2. Enter the number using number keys.

3. Touch “OK”.

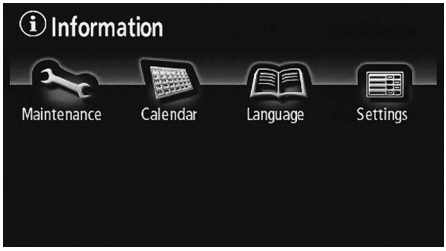
The previous screen will be displayed.

Calendar with memo —

It is possible to enter memos for particular dates on the calendar. The system informs you of the memo entry when the system is turned on. (See page 5.)

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

1. Push the “INFO” button.



2. Touch “Calendar”.



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

M or M : To change month.

Y or Y : To change year.

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

“List”: To display the list of registered memos. (See “ — Memo list” on page 114.)

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



Memos can be edited by touching the list button. (See "— Editing a memo" on page 113.)

"Add Memo": To add a memo. (See "— Adding a memo" on page 112.)

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

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

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

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

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

— Adding a memo

If a memo is added, the system informs of the memo entry when the system is started on the memo date. (See page 5.)

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



2. Touch "Add Memo".

Up to 100 memos can be added.



3. Touch "Memo".



4. Enter text using the alphanumeric keys.

Up to 24 letters can be entered.

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



5. When registering information on the memo, touch "Location".

A screen similar to the destination search screen appears. Search the same way as searching a destination. (See "Destination search" on page 31.)

— Editing a memo

The registered memo can be edited.

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



2. Touch the memo to be edited.



3. Touch the item to be edited.

"Memo": To edit a memo. (See " — Adding a memo" on page 112.)

"Location": To change a registered location. (See " — Adding a memo" on page 112.)

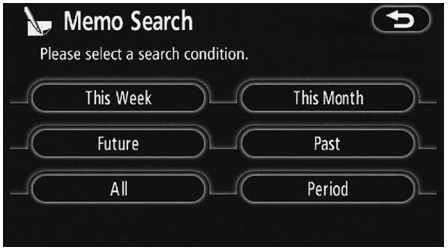
"Enter ⊙": To set the registered location as a destination. (See "Starting route guidance" on page 50.)

"Delete": To delete the memo.

— Memo list

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

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



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

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

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

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

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

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

“Period”: To display the list of memos for a specified period. (See page 114.)



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

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

A message will be displayed.

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

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

1. Touch “Period” on the “Memo Search” screen.



2. Enter the period using the numeral keys.

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

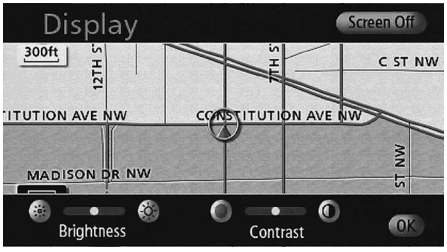
3. After setting the period, touch “OK”.

The “Memo List” screen will be displayed.

Screen adjustment

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

To display the "Display" screen, push the "DISP" button.



1. Touch the desired button to adjust brightness and contrast.

"Brightness" "☼ (brightens)": Brightens the screen.

"Brightness" "☼ (darkens)": Darkens the screen.

"Contrast" "◑ (strengthens)": Strengthens the contrast of the screen.

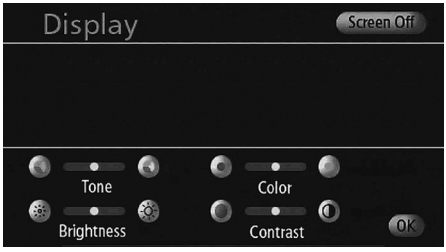
"Contrast" "● (weakens)": Weakens the contrast of the screen.

2. After adjusting the screen, touch "OK".

The screen turns off when **"Screen Off"** is touched. To turn the screen back on push the **"AUDIO"** button.

INFORMATION

When you do not touch any button on the "Display" screen for 20 seconds, the previous screen will be displayed.



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

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

"Tone" "◖ (strengthens)": Strengthens the tone of the screen.

"Tone" "◖ (weakens)": Weakens the tone of the screen.

"Color" "● (green)": Strengthens the green color of the screen.

"Color" "● (red)": Strengthens the red color of the screen.

2. After adjusting the screen, touch "OK".

The screen turns off when **"Screen Off"** is touched. To turn the screen back on push the **"AUDIO"** button.

INFORMATION

When you do not touch any button on the "Display" screen for 20 seconds, the previous screen will be displayed.



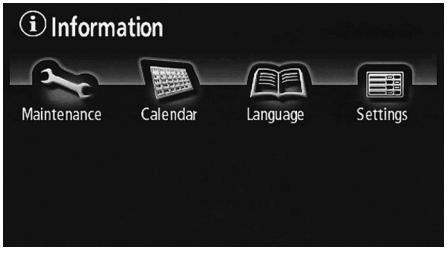
Depending on the position of the headlight switch, the screen changes to the day mode or night mode.

To display the screen in the day mode even with the headlight switch on, touch **"Day Mode"** on the adjustment screen for brightness and contrast control.

If the screen is set in the day mode with the headlight switch turned to on, this condition is memorized in the system even with the engine turned off.

Settings

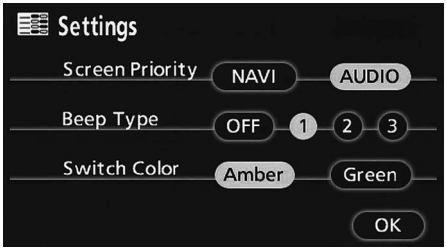
1. Push the "INFO" button to display the "Information" screen.



2. Touch "Settings".

(a) Automatic transition

You can select a function that enables automatic return to the navigation screen from the audio screen.



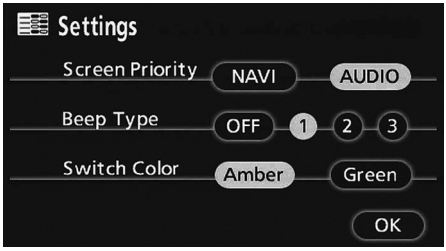
Select “NAVI” or “AUDIO” and then touch “OK”.

“NAVI”: The navigation screen automatically returns from the audio screen 20 seconds after the end of audio screen operation.

“AUDIO”: The audio screen remains on.

(b) Beep Type

You can select the beep type of the touch–screen buttons.

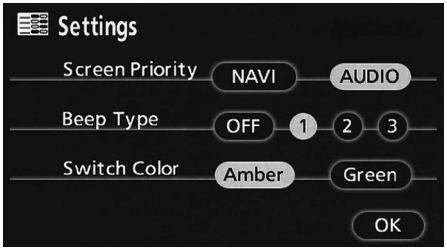


Select “1”, “2”, “3” or “OFF”.

“OFF”: The beep is turned off.

(c) Switch color

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

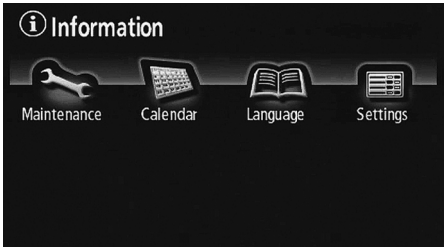


Select “Amber” or “Green” and then touch “OK”.

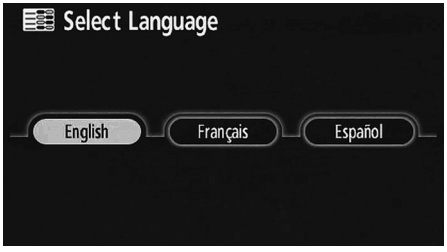
Selecting a language

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

1. Push the “INFO” button.



2. Touch “Language”.



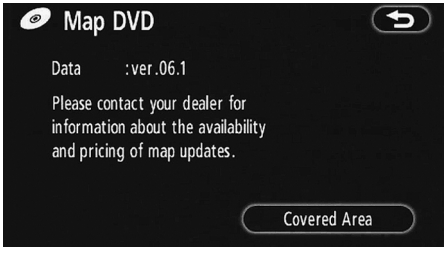
3. Touch “English”, “Français” or “Español” to select a language.

Confirming the database version and disc coverage area

1. Push the "MENU" button.



2. Touch "Map DVD".



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

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

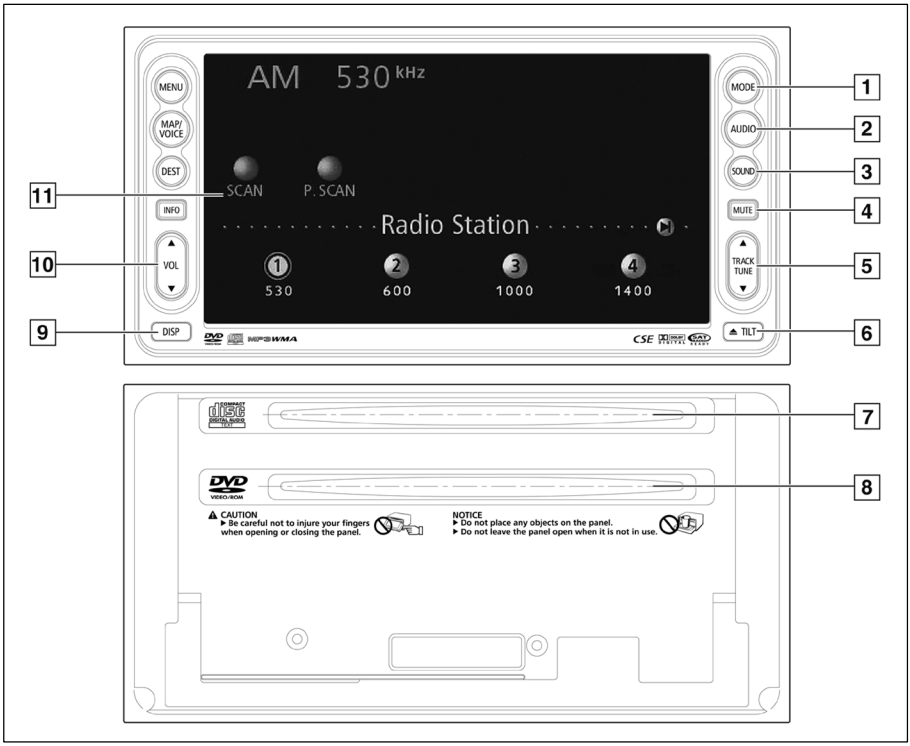
Contact your dealer to find out if there is a more recent update available.

SECTION VII

AUDIO/VIDEO SYSTEM

- Quick reference 122
- **Using your audio/video system** 123
  - Some basics 123
  - Adjusting the volume and the sound quality 126
  - Radio operation 134
  - Radio operation (XM satellite radio broadcast) 135
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  - iPod operation 161
  - AUX operation 168
- **Audio/video remote controls** 170
  - Steering switches 170
- Audio/video system operating hints 171

Quick reference



1 **"MODE" button**
Push this button to switch between the audio (radio, CD, MP3/WMA, AUX, iPod) and DVD modes, as well as to turn off the audio system. For details, see page 124.

2 **"AUDIO" button**
Push this button to display the audio operation screen. For details, see page 124.

3 **"SOUND" button**
Push this button to adjust and set the sound quality. For details, see page 127.

4 **"MUTE" button**
Push this button to mute the audio system. For details, see page 127.

5 **"TRACK/TUNE" button**
Push this button to select the radio system, CD music tracks, iPod music file, and DVD chapters. For details, see pages 134, 137, 142, 144, 151 and 164.

6 **"⏏ TILT" button**
Push this button to open and close the display, adjust the angle of the display, and eject discs. For details, see pages 6, 9 and 10.

7 **CD disc slot**
Load audio CDs and MP3/WMA disc here. For details, see pages 6, 141 and 143.

8 **DVD disc slot**
Load map DVD−ROMs and DVD videos here. For details, see pages 6 and 148.

9 **“DISP” button**
Push this button to display the “Display” screen. For details, see page 115.

10 **“VOL” button**
Push this button to adjust the volume of the audio system. For details, see page 126.

11 **Function button display screen**
Touch the buttons displayed on the screen to control the radio, CD player, DVD player or iPod. For details, see page 124.

Using your audio/video system — — Some basics

This section describes some of the basic features on SCION audio/video systems.

Your audio/video system works when the engine switch is in “ACC” or “IG–ON” mode.

⚠ CAUTION

For vehicles sold in U.S.A. and Canada:

- **Part 15 of the FCC Rules**

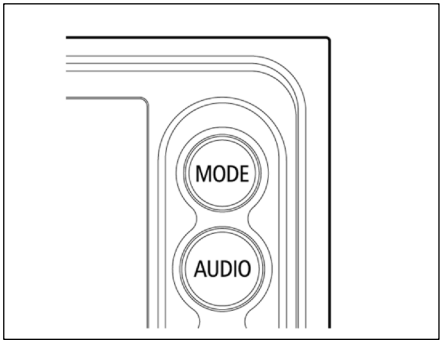
  FCC Warning:
  Any unauthorized changes or modifications to this equipment will void the user’s authority to operate this device.

- **Laser products**
  - **Do not take this unit apart or attempt to make any changes yourself. This is an intricate unit that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.**
  - **This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.**

NOTICE

To prevent the battery from being discharged, do not leave the audio/video system on longer than necessary when the engine is not running.

- **Turning on the power**



1. Push the "MODE" button.



2. Turn on the power by touching any one of the audio mode touch–screen buttons.

When the priority screen is set to navigation, the operation screen will automatically be exited from if no operations are performed for approximately 20 seconds or more after displaying the screen. See "(a) Automatic transition" on page 117 for details.

- **Turning off the power**

Push the "MODE" button and touch "Audio Off" to turn off the power.

- **Switching between functions**

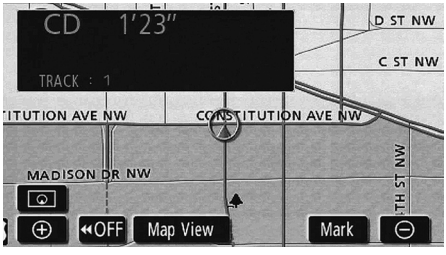
1. Push the "MODE" button.



2. Touch any of the audio mode switches.

It is not possible to change to AUX, iPod, or Satellite Radio if they are not connected.

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

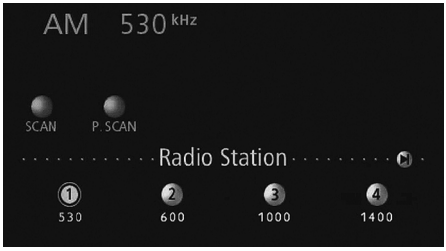


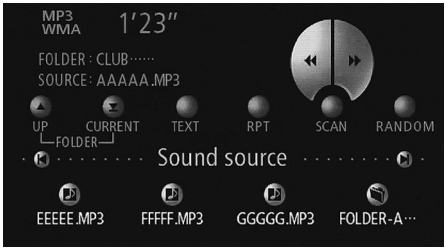
The selected audio mode will display on the screen.

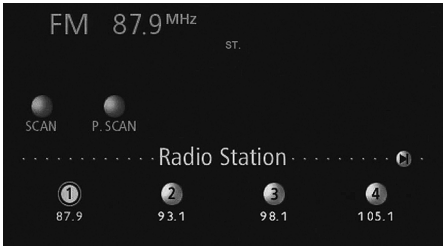
The indicator for the currently selected audio mode will illuminate.

Push the **"AUDIO"** button to display the respective audio mode operation screen.

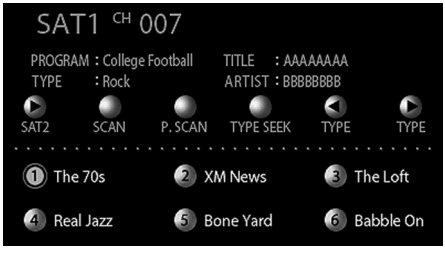
You can turn off the CD player or DVD player by ejecting the disc. If the audio system was previously off, then the entire audio system will be turned off when you eject the disc. If another function was previously playing, it will come on again.


AM 530 kHz
SCAN
P.SCAN
Radio Station
1 530
2 600
3 1000
4 1400


MP3
WMA
1'23"
FOLDER : CLUB·····
SOURCE : AAAAA.MP3
UP
CURRENT
TEXT
RPT
SCAN
RANDOM
FOLDER
Sound source
EEEEE.MP3
FFFFF.MP3
GGGGG.MP3
FOLDER-A···

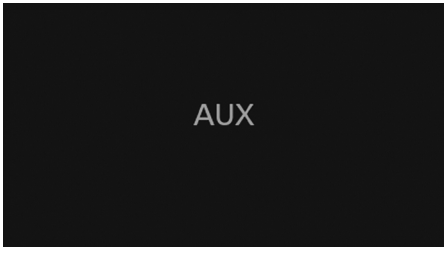

FM 87.9 MHz
ST.
SCAN
P.SCAN
Radio Station
1 87.9
2 93.1
3 98.1
4 105.1


DVD 0:04'56"
TITLE : 1
CHAPTER : 4
Page 2
Return
Search
Hide Buttons


SAT1 CH 007
PROGRAM : College Football
TYPE : Rock
TITLE : AAAAAAAA
ARTIST : BBBBBBBB
SAT2
SCAN
P.SCAN
TYPE SEEK
TYPE
TYPE
1 The 70s
2 XM News
3 The Loft
4 Real Jazz
5 Bone Yard
6 Babble On


ALBUM : BEST SELECTIONS
TITLE : AAAAAA
ARTIST : A.Mcnish
PLAY LIST : My iPod
1'23"
ALBUM SHUFFLE
TRACK SHUFFLE
MUSIC MENU
LIST
PLAY LIST
REPEAT
DIRECT


CD 1'23"
TRACK : 1
RPT
SCAN
RANDOM
DISC : BEST SELECTIONS
TRACK : Drive Your Dreame


AUX

The buttons for radio, CD player, DVD player, iPod and AUX operation are displayed on the function button display screen when the audio control mode is selected.

Touch them lightly and directly on the screen.

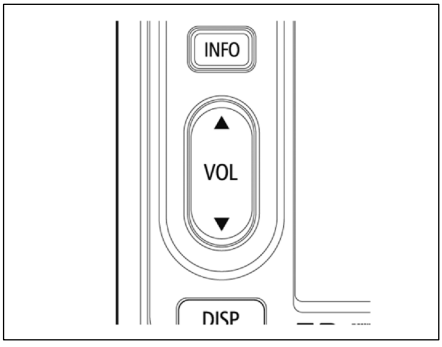
The selected button is highlighted.

INFORMATION

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

— Adjusting the volume and the sound quality

- **Main volume adjustment**



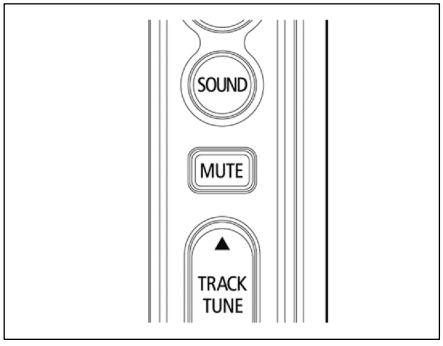
1. Adjust with the "VOL" button.

The volume changes one step each time the "▲" or "▼" button of **"VOL"** is pushed. Furthermore, the volume will continue to change if the switch is pushed continuously.

INFORMATION

- ***Adjust to an appropriate volume that ensures accident−free, safe driving.***
- ***The volume may alter when the audio mode is changed. Adjust the volume to suit the audio mode used.***

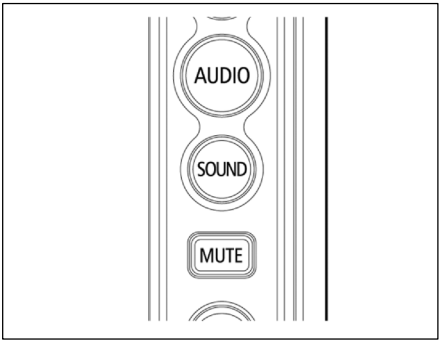
- **Muting the sound**



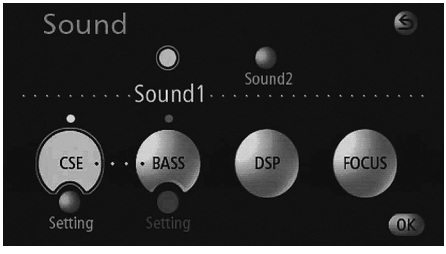
If you wish to cancel all sound from the audio system, push the "MUTE" button. Push the "MUTE" button again to restore the sound.

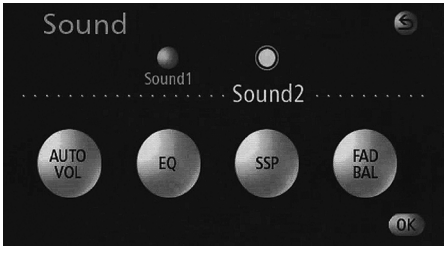
- **Sound menu screen display**

The sound quality inside the cabin will be altered greatly by such factors as the type of media or music used, and the vehicle body type. This system allows you to set the most appropriate sound quality to suit these factors.



1. Push the "SOUND" button at the respective audio screen or DVD screen to display the "Sound" screen.





2. Touch “Sound2” or “Sound1”.

Settings such as the following can be made from the **“Sound”** screen.

“CSE”: Allows the compressed sound range to be returned to its original sound, and music to be played back with enhanced clarity. (See page 128.)

“BASS”: Allows low range sound qualities (sound sharpness, build–up and fade–out) that could not be set with the existing Tone Control/EQ to be adjusted through CSE settings. (See page 129.)

“DSP”: Allows the acoustic field (performance venue) to be reproduced to match the image conjured up by the music genre or source. (See page 130.)

“FOCUS”: Allows the time taken for the sound to reach the listener’s ear from each speaker to be adjusted. (See page 130.)

“AUTO VOL”: Detects the vehicle speed and adjusts the volume accordingly. (See page 131.)

“EQ”: Allows the previously set equalizer curve to be adjusted and the preferred equalizer curve to be created. (See page 131.)

“SSP”: The optimum acoustic environment can be created by setting vehicle information. (See page 132.)

“FAD BAL”: Allows the front, rear, left, and right volume balance to be adjusted. (See page 133.)

INFORMATION

- ***The sound quality can be set and registered for each audio mode at CSE and CSE·BASS.***
- ***It is recommended that each sound quality characteristic be set in the following order to create the optimum acoustic environment.***
  CSE → SSP → FAD BAL → FOCUS → AUTO VOL

- **CSE (Clear Sound Effecter) settings**

When recording from the original source to other media, sound range inaudible to the human ear are compressed. CSE returns the compressed sound range as near as possible to their original source, enabling the listener to enjoy impressive high–quality sound inside the cabin. CSE also allows the listener to enjoy real, high–clarity sound in order to deliver clearer playback of radio sound, etc.

SETTING CSE

1. Touch “CSE”.

The indicator will turn yellow.

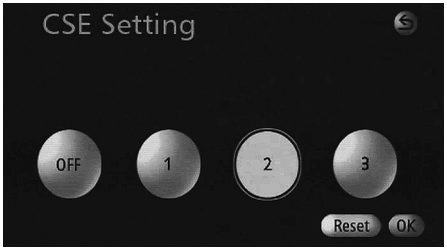
Touch **“CSE”** again to cancel the settings.

Touch **“OK”** when settings are complete.

CHANGING THE CSE OFFSET

The CSE offset can be changed based on the listener’s preference.

1. Touch the CSE “Setting” switch to display the “CSE Setting” screen.



2. Touch the preferred level switch.

Touch **“OK”** when settings are complete.

When **“OFF”** is touched, CSE is only cancelled for the audio mode currently being listened to.

Offset level 3 is not available for AM radio.

All audio mode CSE offset values can be returned to their default values by touching **“Reset”**.

- **CSE·BASS settings**

Even if the compressed sound range is semi–reproduced with CSE, there is a tendency for low–pitch sound (bass under approximately 200Hz, deep bass) to be insufficient due to road noise. CSE·BASS allows adjustments to be made to low–pitch sections of sound that tend to be insufficient.

CSE·BASS features

With standard Tone Control/EQ, sound sharpness is lost, booming occurs, and it is not possible to adjust to the preferred bass when the BASS level is raised.

DYNAMICS: Used to adjust bass build–up/fade–out and level.

BASS RESPONSE: Used to adjust the bass constricting/emanating sound and level.

SETTING CSE·BASS

1. Touch "BASS".

The indicator will turn yellow.

Touch **"BASS"** again to cancel the settings.

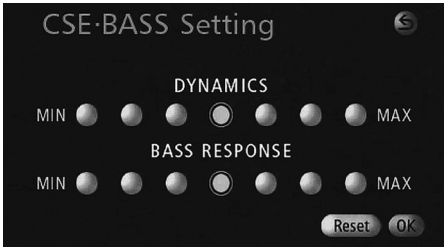
Touch **"OK"** when settings are complete.

Operation will not be possible if CSE has not been set.

If CSE settings are cancelled, CSE·BASS settings are also cancelled automatically.

BASS LEVEL SETTINGS

1. Touch the BASS "Setting" switch to display the "CSE·BASS Setting" screen.



2. Touch the preferred level switch.

All audio mode CSE·BASS levels can be returned to their default values by touching **"Reset"**.

Touch **"OK"** when settings are complete.

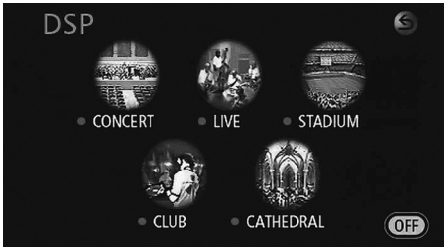
"DYNAMICS" "MAX" or "MIN": Used to adjust the impact of bass instruments.

"BASS RESPONSE" "MAX" or "MIN": Used to adjust the quality (presence) of bass instruments.

- **DSP (Acoustic Field) settings**

The DSP settings can be used to add a reverberant sound to the played back music in order to simulate a variety of performance venues, reproducing a realistic acoustic field.

1. Touch "DSP" to display the "DSP" screen.



2. Touch the touch–screen button to select the desired acoustic field mode, from the list written below.

Touch when settings are complete.

The currently selected DSP is displayed on the operation screen for each audio mode.

"CONCERT": Concert venue

"LIVE": Live venue

"STADIUM": Outdoor stadium

"CLUB": Disco, club

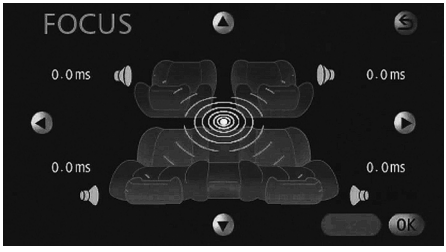
"CATHEDRAL": Church with powerful reverberant sound

"OFF": DSP OFF

- **Sound travel time adjustment (FOCUS)**

It is possible to offset the variations in sound travel time that occur due to differences in distance, by adjusting the time allowed for sound to reach the listener's ears.

1. Touch "FOCUS" to display the "FOCUS" screen.



2. Touch the preferred point.

Touch **"▲"**, **"▼"**, **"◀"**, or **"▶"** to make fine adjustments.

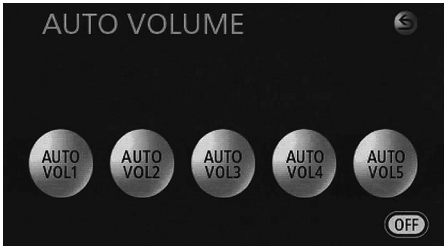
Touch **"OK"** when adjustment is complete.

Touch **"Reset"** to clear the setting.

- **Auto volume adjustment (AUTO VOLUME)**

The volume can be set to increase automatically to match road noise, which varies based on the driving speed.

1. Touch "AUTO VOL" to display the "AUTO VOLUME" screen.



2. Touch "AUTO VOL 1" to "AUTO VOL 5".

Touch **"OFF"** to clear the settings.

Touch when settings are complete.

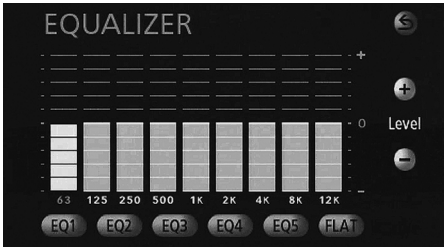
- **EQ (Equalizer) adjustments**

The equalizer can be adjusted to the preferred sound quality based on a variety of music genres and sources.

ADJUSTING THE SOUND QUALITY

The currently set equalizer curve can be selected and set to the preferred sound quality.

1. Touch "EQ" to display the "EQUALIZER" screen.



2. Touch the touch-screen button to select the desired sound quality mode, from the list written below.

Touch when settings are complete.

EQ 1: POP

EQ 2: ROCK

EQ 3: JAZZ

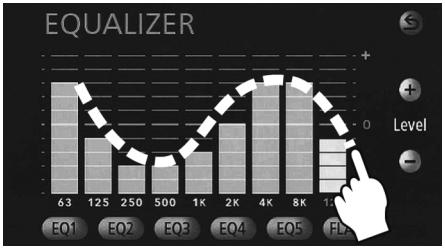
EQ 4: CLASSICAL

EQ 5: VOCAL

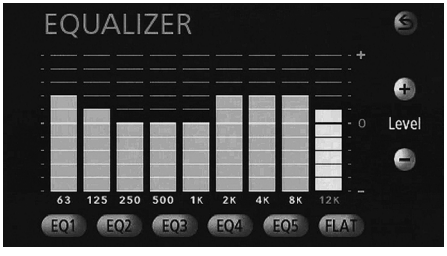
FLAT: No EQ offset

ADJUSTING AND STORING THE EQ CURVE

Allows the equalizer curve to be adjusted to a sound quality other than the currently set equalizer curve and then stored in the memory.



1. Imagine your preferred equalizer curve and then trace that curve slowly with a finger.



2. To perform fine adjustments, directly touch the frequency bar to be adjusted, and then touch the "+" and "–" switches on the right of the screen.

The selected frequency bar is then highlighted.

3. Touch the switch to be stored in the memory from "EQ 1" to "EQ 5" until a beep sounds.

By touching **"FLAT"** until a beep sounds, it is possible to return the stored equalizer curve to the originally setting.

Touch when settings are complete.

- **SSP (SCION SOUND PROCESSING) settings**

SSP is a modified DSP (Digital Signal Processing) system that provides a customized sound for your vehicle. You can select from the modes below.

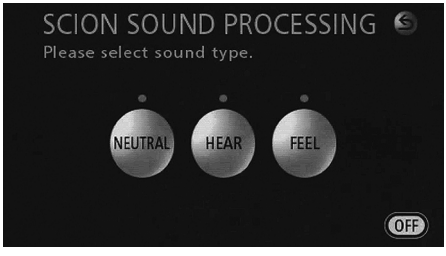
"NEUTRAL": A subdued sound that does not interfere with conversations.

"HEAR": A powerful, energetic, "live" sound.

"FEEL": Player's sound –> reproduces the sound on the stage that musicians hear.

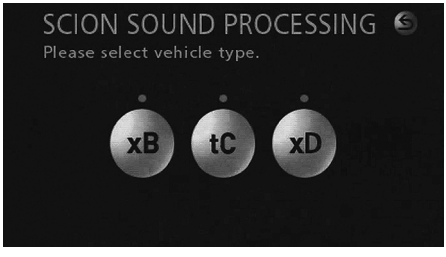
For more details, please visit the SCION Web site at http://www.scion.com/ .

1. Touch "SSP" to display the "SCION SOUND PROCESSING" screen.

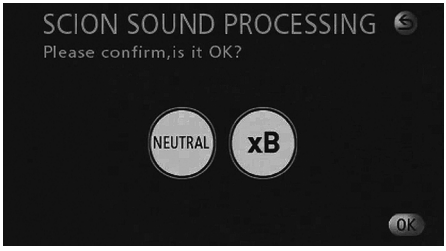


2. Touch sound type.

Touch **"OFF"** to cancel the SSP settings and return to the **"Sound"** screen.



3. Touch vehicle type.



4. Touch “OK”.

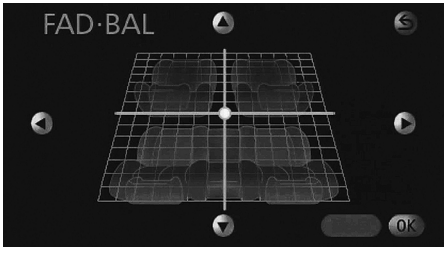
Touch to change the setting.

When SSP has been determined, the system is automatically set to the optimum EQ value.

- **Volume balance adjustments (FAD BAL)**

By individually adjusting the volume balance for the front, rear, left, and right speakers, it is possible to enhance the sound from distant speakers.

1. Touch “FAD BAL” to display the “FAD·BAL” screen.



2. Touch the preferred balance point.

Touch “▲”, “▼”, “◀”, or “▶” to make fine adjustments.

Touch **“OK”** when adjustment is complete.

Touch **“Reset”** to clear the setting.

— Radio operation

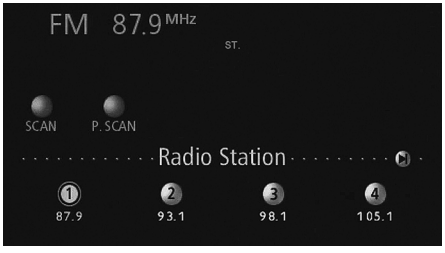
- **Listening to the radio**

Push the "MODE" button and touch "FM" to receive FM radio broadcasts, and "AM" to receive AM radio broadcasts.

Push the **"AUDIO"** button to display the radio operation screen.

Your radio automatically changes to stereo reception when a stereo broadcast is received. "ST" appears on the screen. If the signal becomes weak, the radio reduces the amount of channel separation to prevent the weak signal from creating noise. If the signal becomes extremely weak, the radio switches from stereo to mono reception. In this case, "ST" disappears from the screen.

- **Presetting a station**



1. Select the broadcasting station to be stored in the memory.

2. Touch the preset switch (1 — 8) to be stored in the memory until a beep sounds.

The broadcasting station (frequency) will be stored in the memory.

Each radio mode can store up to 8 stations. Follow the same procedure to change the preset station to a different one.

Touch ▶ to display preset switches **"5"** to **"8"**.

The preset station memory is cleared if the power source is interrupted by a battery disconnection or a blown fuse.

- **Selecting a station**

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

Normal station selection: Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"**. The displayed frequency moves UP/DOWN one step each time one of the buttons is pushed. (1step is 10kHz for AM and 0.2MHz for FM.)

Auto station selection: Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"** until a beep sounds.

The broadcasting station nearest to the frequency displayed at the screen is automatically selected and the search process stops when the station is received. Push again to cancel in the middle of a search.

Preset switch station selection: Stations can be selected by touching their preset switches. Touch ▶ to display preset switches **"5"** to **"8"**.

INFORMATION
It may not be possible to perform auto station selection in areas with weak reception area.

To scan all the frequencies: Touch **"SCAN"**. The system searches for a broadcasting station and after receiving a detected station for several seconds, then searches for the next station. Touch **"SCAN"** again when the desired station is reached.

To scan the preset stations: Touch **"P.SCAN"**. After receiving the preset broadcasting station for several seconds, the system moves on to the next preset station. Touch **"P.SCAN"** again when the desired station is reached.

— Radio operation (XM satellite radio broadcast)

To listen to a satellite radio broadcast in your vehicle, an additional genuine SCION satellite receiver and antenna must be purchased and installed, separately and the subscription to the XM satellite radio is also necessary.

- **How to subscribe to an XM satellite radio**

An XM satellite radio is a tuner designed exclusively to receive broadcasts provided under a separate subscription. Availability is limited to the 48 contiguous states.

How to subscribe: You must enter into a separate service agreement with the XM radio in order to receive satellite broadcast programming in the vehicle. Additional activation and service subscription fees apply that are not included in the purchase price of the vehicle and optional digital satellite tuner. For complete information on subscription rates and terms, or to subscribe to the XM radio, visit XM on the web at www.xmradio.com or call an XM's Listener Care at (800) 967−2346. The XM radio is solely responsible for the quality, availability and content of the satellite radio services provided, which are subject to the terms and conditions of the XM radio customer service agreement.

Customers should have their radio ID ready; the radio ID can be found by selecting "channel 000" on the radio. For details, see the "Displaying the radio ID" that follows.

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

Satellite tuner technology notice: Toyota's satellite radio tuners are awarded Type Approval Certificates from XM Satellite Radio Inc. as proof of compatibility with the services offered by the XM satellite radio.

- **Displaying the radio ID**

Each XM tuner is identified with a unique radio ID. You will need the radio ID when activating XM service or when reporting a problem.

If you select the "CH 000" using the **"TRACK/TUNE"** button, the ID code of 8 alphanumeric characters appears. If you select another channel, display of the ID code is canceled. The channel (000) alternates the display between the radio ID and the specific radio ID code.

- **Listening to satellite radio**

Push the "MODE" button and then touch "Satellite Radio".

Push the **"AUDIO"** button to display the satellite radio operation screen.

- **Changing the band**



The band changes each time "SAT2" is touched.

The band changes sequentially between **"SAT1"**, **"SAT2"**, and **"SAT3"**.

- **Channel category**



Touch either **"TYPE◀"** or **"TYPE▶"** to go to the next or previous category.

- **Presetting a channel**

1. Select the broadcasting station to be stored in the memory.



2. Touch the preset switch to be stored in the memory until a beep sounds.

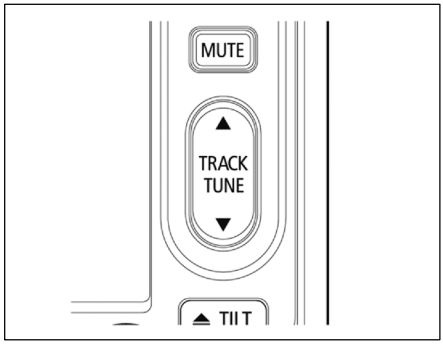
The broadcasting station (frequency) will be stored in the memory.

Up to 18 channels, 6 for each of three SAT bands can be stored in the memory. You can reprogram preset channels by following the same procedure.

The preset channel memory is cancelled when the power source is interrupted by battery disconnection or a blown fuse.

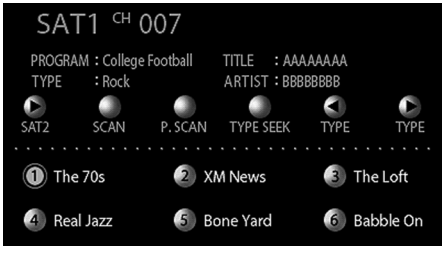
- **Selecting a channel**

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



Normal station selection: Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"**.

Push the **"TRACK/TUNE"** button to change the channel once each time the button is pushed.



Auto station selection: Touch **"TYPE SEEK"**.

The next available channel within the current category type is selected when **"TYPE SEEK"** is touched.

Preset switch station selection: Stations can be selected by touching their preset switches.



To scan the currently selected channel category: Touch **"SCAN"**.

The system searches for a broadcasting station and after receiving a detected station for several seconds, then searches for the next station. Touch **"SCAN"** again when the desired station is reached.

To scan the preset channels: Touch **"P.SCAN"**.

After receiving the preset broadcasting station for several seconds, the system moves on to the next preset station. Touch **"P.SCAN"** again when the desired station is reached.

- **If the satellite radio tuner malfunctions**

When problems occur with the XM tuner, a message will appear on the display. Referring to the table below to identify the problem, take the suggested corrective action.

ANTENNA	The XM antenna is not connected. Check whether the XM antenna cable is attached securely.
	A short circuit occurs in the antenna or the surrounding antenna cable. See a SCION certified dealer for assistance.
UPDATING	You have not subscribed to the XM satellite radio. The radio is being updated with the latest encryption code. Contact the XM satellite radio for subscription information. When a contact is canceled, you can choose the “CH000” and all free–to–air channels.
	The premium channel you selected is not authorized. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel. If you want to listen to the premium channel, contact the XM satellite radio.
NO SIGNAL	The XM signal is too weak at the current location. Wait until your vehicle reaches a location with a stronger signal.
LOADING	The unit is acquiring audio or program information. Wait until the unit has received the information.
OFF AIR	The channel you selected is not broadcasting any programming. Select another channel.
–––––	There is no song/program title or artist name/feature associated with the channel at that time. No action needed.
–––	The channel you selected is no longer available. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel.

The XM Listener Care Center is also available on the phone, please call (800) 852–9696 during the following hours:
Monday — Saturday: 7 a.m. — 1 a.m. Sunday: 12 p.m. — 12 a.m. (EST)

NOTICE

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.

— Increase the separation between the equipment and receiver.

— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

— Consult the dealer or an experienced radio/TV technician for help.

Information to user

Alternation or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

INFORMATION

This XM tuner supports "Audio Services" (Music and Talk) of only XM satellite radio and "Text Information"* linked to the respective "Audio Services".

****: Text Information includes, Station Name, (Artist) Name, (Song) Title and Category Name.***

— CD player operation

The CD player can play audio CDs, CD text, WMA discs, and MP3 discs.

- Audio CD, CD text 141
- MP3/WMA discs 143

For appropriate discs for this player, see "Audio/video system operating hints" on page 171.

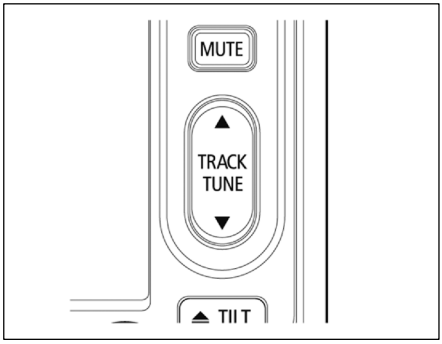
(a) Operating an audio CD

- **Playing an audio CD**

Insert a CD in the CD disc slot to automatically turn on the power and play the CD. The CD can also be played by pushing the "MODE" button with a CD in the disc slot and then touching "CD".

Push the **"AUDIO"** button to display the CD player operation screen.

- **Selecting a desired track**



"TRACK/TUNE" button: Use for direct access to a desired track.

Push the "▲" or "▼" button of **"TRACK/TUNE"** and repeat it until the desired track number appears on the screen. As you release the button, the player will start playing the selected track from the beginning.

Fast forward: Push and hold the **"▲"** button of **"TRACK/TUNE"** or touch and hold "▶▶" to fast forward the disc. When you release the button, the player will resume playing from that position.

Reverse: Push and hold the **"▼"** button of **"TRACK/TUNE"** or touch and hold "◀◀" to reverse the disc. When you release the button, the player will resume playing.

- **Searching for a desired track**



Touch "SCAN".

The first 10 seconds only of all tracks are played sequentially. Touch **"SCAN"** again when the desired track is reached to continue playing from that track.
Normal playback will begin after playing the first 10 seconds of each track.

- **Other functions**



"RPT": Repeats playback of the current track.
When the current track is finished, playback will begin again automatically from the beginning of that track. Touch **"RPT"** again to cancel.

"RANDOM": Tracks are played back randomly.
Tracks are selected and played in random order. Touch **"RANDOM"** again to cancel.

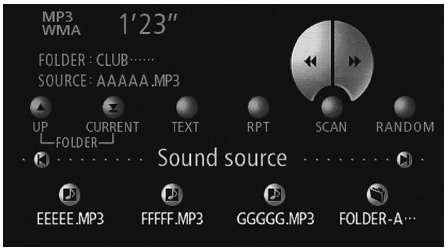
(b) Operating a MP3/WMA disc

- **Playing a MP3/WMA disc**

Insert a CD in the CD disc slot to automatically turn on the power and play the CD. The CD can also be played by pushing the "MODE" button with a CD in the disc slot and then touching "CD".

Push the **"AUDIO"** button to display the MP3/WMA operation screen.

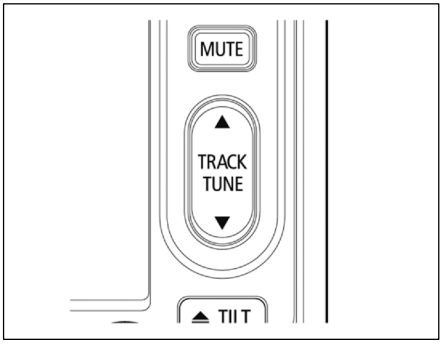
- **Selecting a desired folder**



: Touch this button to display data in the currently selected folder. When there are five or more music files in the same folder, the displayed data can be changed by touching or .

"UP": Touch this button to display data one level above the currently displayed data on the screen.

- **Selecting a desired file**

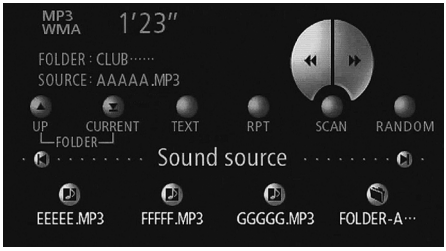


"TRACK/TUNE" button: Use for direct access to a desired file.

Push the "▲" or "▼" button of **"TRACK/TUNE"** and repeat it until the desired file name appears on the display. As you release the button, the player will start playing the selected file from the beginning.

Fast forward: Push and hold the "▲" button of **"TRACK/TUNE"** or touch and hold "▶▶" to fast forward the disc. When you release the button, the player will resume playing from that position.

Reverse: Push and hold the "▼" button of **"TRACK/TUNE"** or touch and hold "◀◀" to reverse the disc. When you release the button, the player will resume playing.



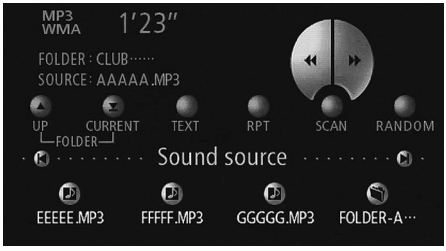
: Touch this button to select the music file to be listened to and begin playback. The file and folder name for the track currently playing will be displayed in the display area.
When there are five or more music files in the same folder, the displayed data can be changed by touching and .

"UP": Touch this button to display data one level above the currently displayed data on the screen.

"CURRENT": Touch this button to display the currently playing file.

"TEXT": Touch this button to display information about the music file currently being played.
When you touch **"TEXT OFF",** the screen will return to its previous state.

- **Searching for a desired file**

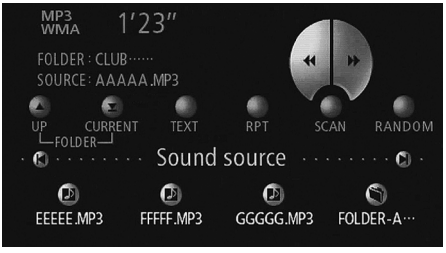


Touch "SCAN".

The first 10 seconds of each file in the same level as the folder in which files are currently playing are played sequentially. Touch **"SCAN"** again when the desired track is reached to continue playing from that track.

Normal playback will begin after playing the first 10 seconds of each track.

- **Other functions**



"RPT": Repeats playback of the current track.
When the current track is finished, playback will begin again automatically from the beginning of that file. Touch **"RPT"** again to cancel.

"RANDOM": Files are played back randomly.

Files are selected and played in random order from all files in the same level as the folder in which files are currently playing. Touch **"RANDOM"** again to cancel.

(c) If the player malfunctions

If the player malfunctions, your audio system will display following messages.

If "NO DISC" appears on the display: It indicates that there is no disc in the CD player.

If "CD Check" appears on the display: It indicates that the disc dirty, damaged, or it was inserted upside down. Clean the disc or insert it correctly. If a disc which is not playable is inserted, "CD Check" will also appear on the screen. For appropriate discs for this player, see "Audio/video system operating hints" on page 171.

If "CD Error" appears on the display: The following causes are possible.

- There is a trouble inside the system. Eject the disc.
- The inside of the player unit may be too hot due to the very high ambient temperature. Eject the disc and allow the player to cool down.

If "NO MUSIC FILE" appears on the display: It indicates that the disc has no playable data.

If the malfunction is not rectified: Take your vehicle to your dealer.

If an MP3/WMA disc contains CD−DA files, only CD−DA files are played. If an MP3/WMA disc contains files other than CD−DA, only MP3/WMA files are played.

— DVD player operation

The DVD player can play DVD video discs.

For appropriate discs for this player, see "Audio/video system operating hints" on page 171.

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

(a) Operating a DVD disc

NOTE: The playback condition of some DVD discs may be determined by a DVD software producer. This DVD player plays a disc as the software producer intended. So some functions may not work properly. Be sure to read the instruction manual for the DVD disc separately provided. For the detailed information about DVD video discs, see "(c) DVD player and DVD video disc information" on page 159.

- **Precautions on DVD video disc**

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

When playback of a disc is completed:

- If a DVD video is playing, playback will stop or the menu screen will be displayed.

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

⚠ CAUTION

Conversational speech on some DVDs is recorded at a low volume to emphasize the impact of sound effects. If you adjust the volume assuming that the conversations represent the maximum volume level that the DVD will play, you may be startled by louder sound effects or when you change to a different audio source. The louder sounds may have a significant impact on the human body or pose a driving hazard. Keep this in mind when you adjust the volume.

- **Playing a DVD disc**

Insert a DVD in the DVD disc slot to automatically turn on the power and play the DVD. The DVD can also be played by pushing the **"MODE"** button with a DVD in the disc slot and then touching **"DVD"**. Push the **"AUDIO"** button or touch the screen to display the DVD player operation screen.

INFORMATION

Please note that there are certain discs that do not playback automatically, or do not playback unless an item from the menu recorded on the disc is selected. "Description of DVD controls" (See page 149.)

- **Displaying DVD controls**





If you touch a part of the screen, while watching video, DVD controls will appear.

"Page 2": Touching this will display on the second page of DVD controls.

"Page 1": Touching this will display the top page of DVD controls.

"Hide Buttons": Touching this will turn off the controls from the screen.

INFORMATION

Each touch-screen button displays for approximately 6 seconds when changed to the DVD operation screen. Push the "AUDIO" button or touch the screen to redisplay the switches.

- **Description of DVD controls**

TOP PAGE OF DVD VIDEO CONTROLS

"Return": Touching this will return to the predetermined scene and start playing from there.

"Search": The title search screen appears. (See page 151.)

: Touch to pause the video screen.

: Touching this will stop the DVD video disc.

: Touching this will resume normal play after stop or pause.

: Touching this will fast reverse.

: Touch to fast forward during playback. Touch briefly while paused to play slowly.

SECOND PAGE OF DVD VIDEO CONTROLS

"Setup": Touching this button will allow you to change the screen size and set the default settings. (See pages 153 and 154.)

"Top Menu" and "Menu": If you touch either button, the menu screen for DVD video appears. (For the operation, see the manual that come with the DVD video disc provided separately.)

"Subtitle": The subtitle changing screen appears. (See page 152.)

"Audio": The audio changing screen appears. (See page 152.)

"Angle": The angle selection screen appears. (See page 153.)

: The menu control key appears on the screen. (See page 150.)

- **Selecting a menu item**

The menu stored on the disc can be operated.

For details, see the manual that comes with the DVD video disc provided separately.

DISPLAYING THE DISC MENU

If the disc menu does not display when the disc is loaded, the following method can be used to display the menu.

1. **Touch "Page 2".**
2. **Touch either "Top Menu" or "Menu".**

The touch–screen button display area moves UP or DOWN each time you touch the **"Move Buttons"**.

Operating from the direct touch operation screen —

If the disc menu displays when the disc is loaded, selections can be made by touching the menu icons directly.

Operating with the touch–screen button —



1. Touch “Key”.

The disc menu items will vary depending on the disc. Furthermore, discs are played based on the disc content and therefore there may be times when the selected operation does not function as expected.

2. Touch “Page 2”.



3. Touch .



4. Touch “▲”, “▼”, “◀”, or “▶” to select a menu.

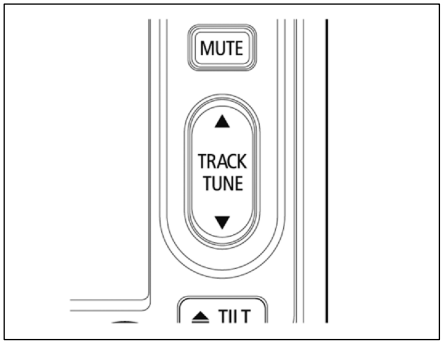
Touch **“Direct”** to enable direct touch operation.

When you touch , the previous screen returns.

5. Touch “Enter”.

- **Searching for desired footage**

The desired video footage can be searched for by title, chapter, or menu number (number used to separate the disc content).



SEARCHING BY CHAPTER

When you push the "▲" or "▼" button of **"TRACK/TUNE"**, you can select a chapter.

SEARCHING BY TITLE NUMBER



1. Touch "+", "–", "+10", or "–10" and input the title number.

When you touch , the previous screen returns.

2. Touch "Enter".

Playback is commenced from the input title number.

SEARCHING BY MENU NUMBER

1. Touch .



2. Touch "Code" to display the menu number input screen.



3. Touch "+", "–", "+10", or "–10" and input the menu number.

When you touch , the previous screen returns.

4. Touch "Enter".

- **Changing the subtitle language**



Each time you touch “Subtitle”, the language is selected from the ones stored in the discs and changed.

- **Changing the audio language**



Each time you touch “Audio”, the language is selected from the ones stored in the discs and changed.

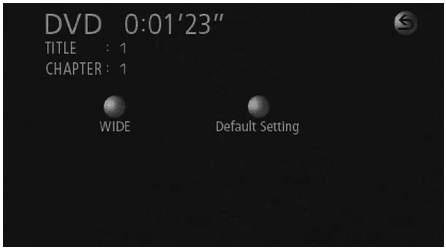
- **Changing the angle**



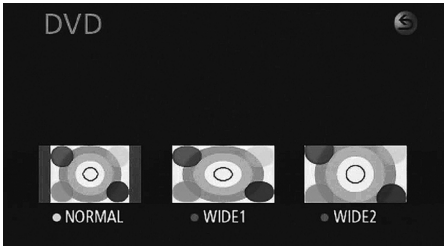
The angle can be selected for discs that are multi−angle compatible when the angle mark appears on the screen.

Each time you touch “Angle”, the angle changes.

- **Selecting screen size**



1. Touch “WIDE” to display the wide mode optional screen.



2. Touch “NORMAL”, “WIDE1”, or “WIDE2”.

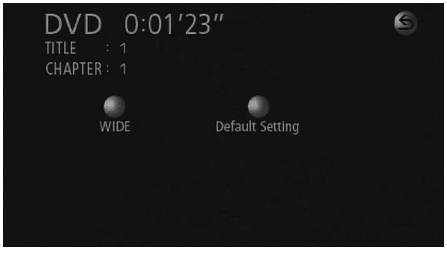
“NORMAL”: Displays the 3 (H) × 4 (W) screen with the remaining area at both edges in black.
“WIDE1”: Displays the 3 (H) × 4 (W) screen with the screen widened left and right in the same ratio to fill the display horizontally.
“WIDE2”: Displays the 3 (H) × 4 (W) screen with the screen stretched vertically and horizontally in the same ratio to fill the display.
Change to this mode to display a 9 (H) × 16 (W) screen.

When you touch , the previous screen returns.

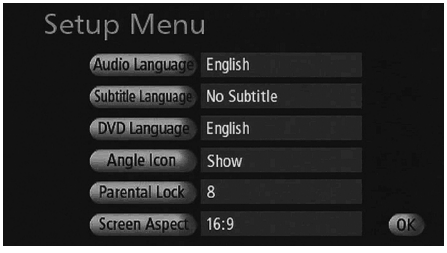
NOTICE

There are no issues regarding the viewing of visual material in wide–screen format provided that it is for personal use. However, compressing or enlarging the screen for commercial purposes, or to make material available for public viewing, may infringe upon the rights of the author as protected by copyright laws, and therefore care should be exercised.

- **Default setting**



1. Touch "Default Setting" to display the "Setup Menu" screen.



The initial setting can be changed.

After you change the initial setting, touch **"OK"**. The previous picture will be displayed.

INFORMATION

If one of the switches used to change the screen ("MODE", "AUDIO") is pushed without touching "OK" after changing settings at the default settings screen, DVD playback will stop. Touch ▶ at the video operation screen to resume playback. (See page 149.)

AUDIO LANGUAGE

You can change the audio language.

1. Touch "Audio Language".

2. Touch the language you want to hear on the "Select Audio Language" screen.

If you cannot find the language you want to hear on this screen, touch **"Other"** and enter a language code. For the entry of language code, see page 156.

SUBTITLE LANGUAGE

You can change the subtitle language.

1. Touch "Subtitle Language".

2. Touch a language you want to read on the "Select Subtitle Language" screen.

If you cannot find the language you want to read on this screen, touch **"Other"** and enter a language code. For the entry of language code, see page 156.

DVD LANGUAGE

You can change the language on the DVD video menu.

1. Touch "DVD Language".

2. Touch the language you want to read on the "DVD Language" screen.

If you cannot find the language you want to read on this screen, touch **"Other"** and enter a language code. For the entry of language code, see page 156.

ANGLE ICON

The multi–angle mark can be turned on or off on the screen while the disc which is multi–angle compatible is being played.

Each time you touch **"Angle Icon"**, the angle mark on the screen turns on or off alternately.

PARENTAL LOCK

The level of viewer restrictions can be changed.

1. Touch "Parental Lock".

2. Enter the 4–digit personal code on the "Enter Personal Code" screen and then touch "Enter".

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

10 touches of **"Clear"** will initialized the personal code.

3. Touch a parental level (1 — 8) on the "Restriction Level".

4. Touch "Enter".

CHANGING THE VIDEO OUTPUT

The screen size changes each time **"Screen Aspect"** is touched.

"16:9": The screen displays in the normal wide size.
In the case of DVD software recorded with a screen size of 4:3, both the left and right edges display in black, or the screen is stretched to the left and right.

"4:3 Letter Box": The upper and lower edges of the screen display in black.
In the case of DVD software recorded with a screen size of 4:3, the video fits the screen size perfectly (4:3).

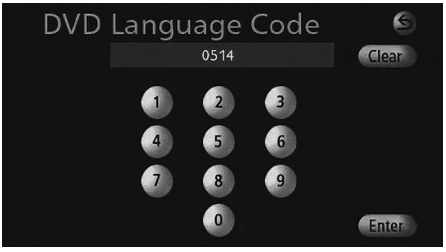
"4:3 Pan Scan": Both the left and right edges of the screen are cut.
In the case of DVD software recorded with a screen size of 4:3, the video fits the screen size perfectly (4:3).

NOTICE

There are no issues regarding the viewing of visual material in wide–screen format provided that it is for personal use. However, compressing or enlarging the screen for commercial purposes, or to make material available for public viewing, may infringe upon the rights of the author as protected by copyright laws, and therefore care should be exercised.

- **Enter language code**

If you touch **"Other"** on the "Select Audio Language" screen, "Select Subtitle Language" screen or "DVD Language" screen, you can select the language you want to hear or read by entering a language code.



1. **Enter the 4–digit language code.**

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

2. **Touch "Enter".**

Code	Language
1001	Japanese
0514	English
0618	French
0405	German
0920	Italian
0519	Spanish
2608	Chinese
1412	Dutch
1620	Portuguese
1922	Swedish
1821	Russian
1115	Korean
0512	Greek

0101	Afar
0102	Abkhazian
0106	Afrikaans
0113	Amharic
0118	Arabic
0119	Assamese
0125	Aymara
0126	Azerbaijani
0201	Bashkir
0205	Byelorussian
0207	Bulgarian
0208	Bihari
0209	Bislama
0214	Bengali
0215	Tibetan
0218	Breton
0301	Catalan
0315	Corsican
0319	Czach
0325	Welsh
0401	Danish
0426	Bhutani
0515	Esperanto
0520	Estonian
0521	Basque
0601	Persian
0609	Finnish
0610	Fiji
0615	Faroese
0625	Frisian
0701	Irish

0704	Scots−Gaelic
0712	Galician
0714	Guarani
0721	Gujarati
0801	Hausa
0809	Hindi
0818	Croatian
0821	Hungarian
0825	Armenian
0901	Interlingua
0905	Interlingue
0911	Inupiak
0914	Indonesian
0919	Icelandic
0923	Hebrew
1009	Yiddish
1023	Javanese
1101	Georgian
1111	Kazakh
1112	Greenlandic
1113	Cambodian
1114	Kannada
1119	Kashmiri
1121	Kurdish
1125	Kirghiz
1201	Latin
1214	Lingala
1215	Laothian
1220	Lithuanian
1222	Latvian
1307	Malagasy

1309	Maori
1311	Macedonian
1312	Malayalam
1314	Mongolian
1315	Moldavian
1318	Marathi
1319	Malay
1320	Maltese
1325	Burmese
1401	Nauru
1405	Nepali
1415	Norwegian
1503	Occitan
1513	(Afan)Oromo
1518	Oriya
1601	Panjabi
1612	Polish
1619	Pashto, Pushto
1721	Quechua
1813	Rhaeto−Romance
1814	Kirundi
1815	Romanian
1823	Kinyarwanda
1901	Sanskrit
1904	Sindhi
1907	Sangho
1908	Serbo−Croatian
1909	Sinhalese
1911	Slovak
1912	Slovenian
1913	Samoan

1914	Shona
1915	Somali
1917	Albanian
1918	Serbian
1919	Siswati
1920	Sesotho
1921	Sundanese
1923	Swahili
2001	Tamil
2005	Telugu
2007	Tajik
2008	Thai
2009	Tigrinya
2011	Turkmen
2012	Tagalog
2014	Setswana
2015	Tonga
2018	Turkish
2019	Tsonga
2020	Tatar
2023	Twi
2111	Ukrainian
2118	Urdu
2126	Uzbek
2209	Vietnamese
2215	Volapük
2315	Wolof
2408	Xhosa
2515	Yoruba
2621	Zulu

(b) If the player malfunctions

If the player malfunctions, your audio/video system will display following messages.

If "NO DISC" appears on the display: It indicates that there is no disc in the DVD player.

If "DVD Check" appears on the display: It indicates that the disc dirty, damaged, or it was inserted upside down. Clean the disc or insert it correctly. If a disc which is not playable is inserted, "DISC Check" will also appear on the screen. For appropriate discs for this player, see "Audio/video system operating hints" on page 171.

If "Cannot read disc. Please check disc." appears on the display: It indicates that the DVD region code of the DVD may not be compatible with the player.

If "DVD Error" appears on the display: The following causes are possible.

- There is a trouble inside the system. Eject the disc.
- The inside of the player unit may be too hot due to the very high ambient temperature. Eject the disc and allow the player to cool down.

(c) DVD player and DVD video disc information

- **DVD video discs**

This DVD player conforms to NTSC color TV formats.

Region codes: Some DVD video discs have a region code indicating a country where you can use the DVD video disc on this DVD player. If the DVD video disc is not labeled as "ALL" or "1", you cannot use it on this DVD player. If you attempt to play an inappropriate DVD video disc on this player, "Cannot read disc. Please check disc." appears on the screen. Even if the DVD video disc does not have a region code, there is a case that you cannot use it.

Marks shown on DVD video discs:

NTSC	Indicates NTSC format of color TV.
	Indicates the number of audio tracks.
	Indicates the number of language subtitles.
	Indicates the number of angles.
	Indicates the screen to be selected. Wide screen: 16:9 Standard: 4:3
	Indicates a region code by which this video disc can be played. ALL: in all countries Number: region code

- **DVD video disc glossary**

DVD video discs: Digital versatile Disc that holds video. DVD video discs have adopted “MPEG2”, one of the world standards of digital compression technologies. The picture data is compressed by 1/40 on average and stored. Variable rate encoded technology in which the volume of data assigned to the picture is changed depending on the picture format has also been adopted. Audio data is stored using PCM and Dolby digital, which enables higher quality of sound. Furthermore, multi–angle and multi–language features will also help you enjoy the more advanced technology of DVD video.

Viewer restrictions: This feature limits what can be viewed in conformity with a level of restrictions of the country. The level of restrictions varies depending on the DVD video disc. Some DVD video discs cannot be played at all, or violent scenes are skipped or replaced with other scenes.

Level 1: DVD video discs for children can be played.

Level 2 – 7: DVD video discs for children and G–rated movie can be played.

Level 8: All types of the DVD video discs can be played.

Multi–angle feature: You can enjoy the same scene at different angles.

Multi–language feature: You can select a language of the subtitle and audio.

Region codes: The region codes are provided on DVD players and DVD discs. If the DVD video disc does not have the same region code as the DVD player, you cannot play the disc on the DVD player. For region codes, see page 159.

Audio: This DVD player can play liner PCM, Dolby digital and MPEG audio format DVD. Other decoded type cannot be played.

Title and chapter: Video and audio programs stored in DVD video disc are divided in parts by title and chapter.

Title: The largest unit of the video and audio programs stored on DVD video discs. Usually, one piece of movie, one album, or one audio program is assigned as a title.

Chapter: The unit smaller than that of title. A title comprises plural chapters.

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"DTS" is a trademark of Digital Theater Systems, Inc.

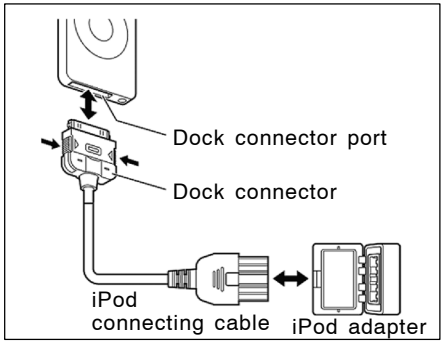
— iPod operation

iPod music files can be played by connecting your iPod to the audio system. Furthermore, it is also possible to perform such operations as selecting tracks from the play list and changing the shuffle mode at the audio system.

This unit supports only an iPod featuring the Dock connector port.

For details, refer to your iPod Owner's Manual.

- **Connecting your iPod**

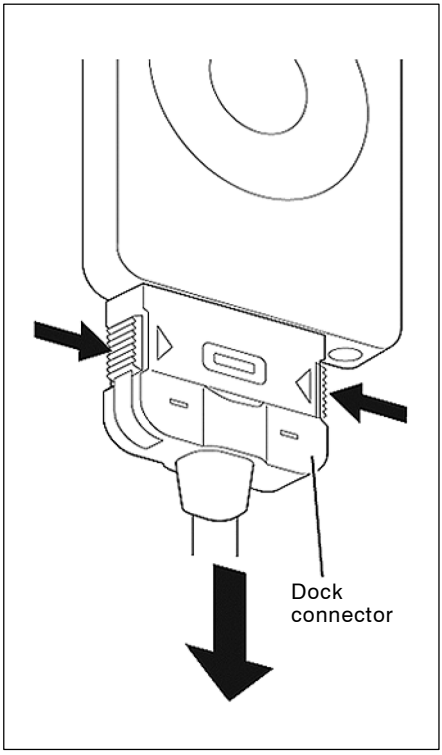


Connect your iPod with the dock connector.

Disconnect all iPod accessories with the exception of the remote control.

As soon as the iPod is connected, its power is automatically turned on.

- **Disconnecting your iPod**



Press the sides of the dock connector in the direction shown by the arrows above to disconnect your iPod.

NOTICE

- ***Please understand that no compensation can be awarded for lost data, even if iPod data is lost when connected to the audio system.***
- ***The iPod may become deformed, discolored, or damaged due to heat if left exposed to direct sunlight for long periods of time. Store away from direct sunlight when not in use.***
- ***Fix the iPod securely when using with this unit. Do not let the iPod fall onto the floor, where it may become jammed under the brake or accelerator pedal.***
- ***You may hear noise if you disconnect during iPod playback.***

INFORMATION

- ***Check that the version of your iPod is supported by the audio system. Refer to "Supported iPod versions" (page 167) for a list of supported versions.***
- ***The system will not automatically switch to iPod mode when the audio system and iPod are connected.***
- ***"SCION" displays at the iPod when connected to the audio system. Please note that operation cannot be performed using your iPod while "SCION" is displayed.***
- ***If your iPod is connected to the audio system with the iPod power OFF, "SCION" will not display, and the "Charging complete" mark may display. If this happens, push any button on your iPod to display "SCION".***
- ***The connected iPod battery will be charged when the engine switch is "IG–ON" or in the "ACC" status.***
- ***The track order in the play list displayed at the audio system may differ from that at your iPod when connected to the system.***
- ***If your iPod becomes inoperable, disconnect and then reconnect after resetting. Refer to the iPod instruction manual for details of the reset method.***
- ***There are times when video file names display in the track play list, however, no support is available for playback of video files.***
- ***While the iPod is connected to this unit, the iPod itself cannot be turned on or off.***
- ***The iPod connected to this unit is turned off about two minutes after the ignition switch is set to OFF.***

- **Listening to your iPod**

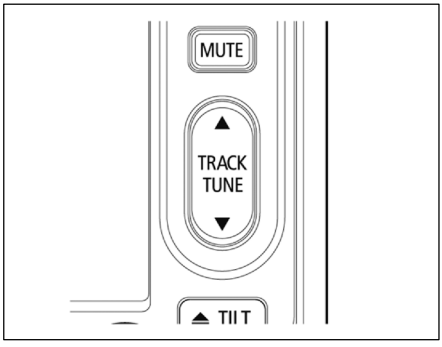
Push the "MODE" button with your iPod connected to the audio system and touch "iPod" to commence playback.

The last music file listened to on your iPod will be played back.
Push the **"AUDIO"** button to display the iPod operation screen.
Touch "▶II" to pause playback.
Touch again to resume playback.

INFORMATION

- ***Depending on the number of music files stored on your iPod, and the software version, there may be times when the system does not respond immediately or function properly when performing operations at the operation screen.***
- ***"Ok to disconnect.", displays on the iPod unit. However, in order to protect your iPod, it is recommended that the dock connector not be disconnected during music playback.***
- ***If the system does not function properly, disconnect you iPod, turn off the engine switch, turn the engine switch back "ON" or set to the "ACC–ON" status, and then reconnect your iPod after resetting.***
- ***You cannot operate the iPod Equalizer on products. We recommend that you set the iPod Equalizer to off, before connecting the iPod to this unit.***

- **Selecting a desired music file**



"TRACK/TUNE" button / "⏮", "⏭": Use for direct access to a desired music file.

Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"** or touch the "⏮", "⏭" on screen and repeat it until the desired track title appears on the screen. As you release the button, the player will start playing the selected track from the beginning.

Fast forward: Push the **"▲"** button of **"TRACK/TUNE"** or touch "⏭" and hold it to fast forward the disc. When you release the button, the player will resume playing from that position.

Reverse: Push the **"▼"** button of **"TRACK/TUNE"** or touch "⏮" and hold it to reverse the disc. When you release the button, the player will resume playing.



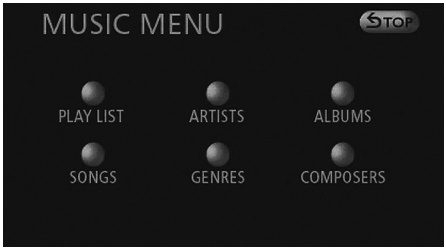
"LIST": When **"LIST"** is touched, the list of files in which the music files currently being played back is displayed.
The music file currently being played back displays at the top.
Touch a music file to play back the selected file.

- **Searching for the desired music file from the MUSIC MENU**

The desired music file can be searched for by displaying the track play list from the MUSIC MENU.

1. Touch "MUSIC MENU".

Touch STOP to return to the iPod operation screen.



2. Touch the desired mode on the MUSIC MENU screen.

The screen shown at step **"4."** displays when **"SONGS"** is selected.



3. Touch the desired list on the mode list screen.

Touch **"Play"** to playback the first music file in the selected list.
Touch **"ALL"** to select all displayed lists.
When there are 5 lists or more, touch ▲, ▲▲ or ▼, ▼▼ to change the list.

Touch ↩ to return to the level above.



4. Touch the applicable touch–screen button to select the music file to be played back.

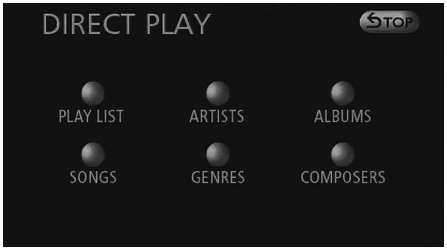
Commence playback.

- **Searching for desired music files from direct mode**

Played back music files can be changed in various individual modes.

1. Touch “DIRECT”.

Touch STOP to return to the iPod operation screen.



2. Touch the mode to be selected at the “DIRECT PLAY” screen.

The iPod operation screen displays. The mode changes to the selected mode and the first music file is played.

“PLAY LIST”: Plays back the iPod PLAY LIST.

“SONGS”: Plays back all songs.

“ARTISTS”: Plays back the ARTISTS list.

“GENRES”: Plays back the GENRES list.

“ALBUMS”: Plays back the ALBUMS list.

“COMPOSERS”: Plays back the COMPOSERS list.



3. Touch “∧” or “∨”.

“∧”: Touch to select the next list (music files in SONGS mode).
“∨”: Touch to select the previous list (music files in SONGS mode).

INFORMATION
When music files are played back from the “MUSIC MENU” screen, the system exits direct mode.

- **Other functions**

INFORMATION

If your iPod is disconnected while "REPEAT", "TRACK SHUFFLE", or "ALBUM SHUFFLE" is set, the iPod will switch to the repeat or shuffle setting.



"REPEAT": Repeats playback of the current track.
When the current track is finished, playback will begin again automatically from the beginning of that track. Touch **"REPEAT"** again to cancel.

"SHUFFLE": Use it for automatic and random selection of the play list or the album which you are currently listening to.

Listening to tracks in the current play list randomly —

Touch "TRACK SHUFFLE".

The system selects a music file in the play list you are currently listening to. To cancel it, touch **"TRACK SHUFFLE"** once again.

Listening to albums randomly —

Touch "ALBUM SHUFFLE".

Albums can be listened to randomly. However music files in albums are played back from the first music file.

To cancel it, touch **"ALBUM SHUFFLE"** once again.

- **Supported iPod versions**

The following iPods can be used with the audio system.

iPod —
3rd generation: 2.2 — 2.3
4th generation: 3.0.2 — 3.1
5th generation: 1.0

iPod mini —
1st/2nd generation: 1.2 — 1.4

iPod photo —
1st/2nd generation: 1.0 — 1.2

iPod nano —
1st generation: 1.0

INFORMATION

- ***iPod® is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.***
- ***The use of iPods is authorized for the copying and playback of non–copyrighted material or material for which legal copying and playback is authorized for personal use by individuals. Copyright infringements are prohibited by law.***
- ***The iPod software version can be checked at the iPod unit. Refer to the iPod instruction manual for further details.***
- ***If the software version on your iPod does not satisfy the above requirements, the software can be upgraded from the APPLE Web site.***
- ***Support is not available for the iPod photo display function or video footage display function.***

— AUX operation

Music stored on commercially available portable audio devices can be played back by connecting the devices to the audio system. When connecting portable audio devices, it is recommended that an “AUX adapter” be purchased.

When using portable audio devices with the audio system, please read over the portable audio device instruction manual carefully and ensure that the device is fully compatible prior to use.

⚠ CAUTION

- **Place the portable audio device and AUX adapter in a location that will not interfere with SRS airbag deployment. Failure to do so may result in death or serious injury due to the inability of the airbag to function properly or if the portable audio device is thrown during SRS airbag deployment.**
  Refer to the vehicle instruction manual for details of the SRS airbag deployment location.
- **Avoid placing the portable audio device or AUX adapter in a location that will interfere with driving, or temporarily secure in a location that will not interfere with driving. This may hinder driving or lead to traffic accidents.**

- **Connecting (disconnecting) portable audio devices**

NOTICE

- ***Do not disconnect or connect the AUX adapter when the display is open or tilted.***
- ***Avoid getting hands caught in the AUX adapter terminals.***
- ***Do not connect, operate, or disconnect the portable audio device while driving.***
- ***Store portable audio devices away from direct sunlight when not in use.***

Ensure that the portable audio device power is turned OFF.
Ensure that the audio mode is set to a mode other than AUX, or that the audio system power is turned OFF.

Connect (or disconnect) the AUX adapter.

INFORMATION

- ***Disconnecting or connecting the AUX adapter while in AUX mode may lead to distortion and speaker damage. Always ensure to turn off the audio system power or switch to another mode prior to disconnecting or connecting.***
- ***Changing the portable audio device power supply while in AUX mode may lead to distortion and speaker damage. Always ensure to turn off the audio system power or switch to another mode prior to changing the portable audio device power supply.***
- ***Please note that the volume level will vary due to differing output levels depending on the connected device.***
- ***If the volume is adjusted while in AUX mode, the volume can be stored as the volume level for AUX mode. This stored volume level will be returned to its default setting if the AUX adapter is disconnected.***
- ***When using a portable audio device connected to the power outlet or cigarette lighter, noise may occur during playback.***
  If this happens, use the power source (battery) of the portable audio device.

- **Listening to portable audio devices**

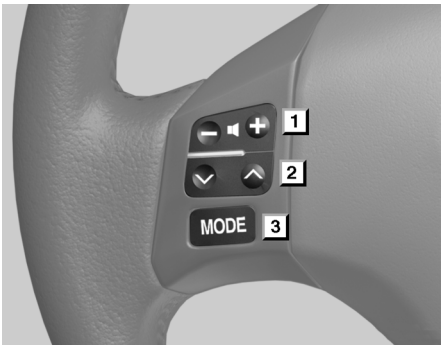
1. Turn ON the portable audio device power and playback music.

Refer to the instruction manual provided with the portable audio device for details of operation.

2. Push the "MODE" button and touch "AUX".

Played back audio from the portable audio device is output from the speakers.

Audio/video remote controls — — Steering switches



On vehicles equipped with steering switches, these switches can be used to perform major audio and DVD operations.

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

1 Volume control switch

Push "+" side to increase the volume. The volume continues to increase while the switch is being pressed.

Push "–" side to decrease the volume. The volume continues to decrease while the switch is being pressed.

2 "∧" "∨" switches

Radio

To select a preset station:
Quickly push and release the "∧" or "∨" switch. Do this again to select the next preset station.

To seek a station:
Push and hold the "∧" or "∨" switch until you hear a beep. Do this again to find the next station. If you push either the "∧" or "∨" switch in seek mode, the seek mode will cancel.

CD player or DVD player

Use this button to skip up or down to a different track, file or chapter in either direction.

To select a desired track, file or chapter:
Quickly push and release the "∧" or "∨" switch until the track, file or chapter you want to play is set. If you want to return to the beginning of the current track, file or chapter, push the "∨" switch once, quickly.

iPod

To select a desired track:
Quickly push and release the "∧" or "∨" switch until the music file you want to play is set.

To select a desired list:
Push and hold the "∧" or "∨" switch until you hear a beep. Do this again to switch to the next or previous list.

3 "MODE" switch

Each time you push the **"MODE"** switch, the system changes the audio mode.

To turn the audio/video system on, push the **"MODE"** switch.

To turn the audio/video system off, push and hold the **"MODE"** switch until you hear a beep.

Audio / video system operating hints

NOTICE

To ensure correct audio/video system operations:

- ***Be careful not to spill beverages over the audio/video system.***
- ***Do not put anything other than on appropriate discs into the CD player or DVD player slot.***
- ***The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio/video system which you are listening to. However, this does not indicate a malfunction.***

Radio reception

Usually, the problem with radio reception does not mean there is a problem with your radio – it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or telephone wires can interfere with AM signals. And of course, radio signals have a limited range, and the farther you are from a station, the weaker its signal will be. In addition, reception conditions change constantly as your vehicle moves.

Here are some common reception problems that probably do not indicate a problem with your radio:

FM

Fading and drifting stations — Generally, the effective range of FM is about 40 km (25 miles). Once outside this range, you may notice fading and drifting, which increase with the distance from the radio transmitter. They are often accompanied by distortion.

Multi–path — FM signals are reflective, making it possible for two signals to reach your antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

Static and fluttering — These occur when signals are blocked by buildings, trees, or other large objects. Increasing the bass level may reduce static and fluttering.

Station swapping — If the FM signal you are listening to is interrupted or weakened, and there is another strong station nearby on the FM band, your radio may tune in the second station until the original signal can be picked up again.

AM

Fading — AM broadcasts are reflected by the upper atmosphere — especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

Station interference — When a reflected signal and a signal received directly from a radio station are very nearly the same frequency, they can interfere with each other, making it difficult to hear the broadcast.

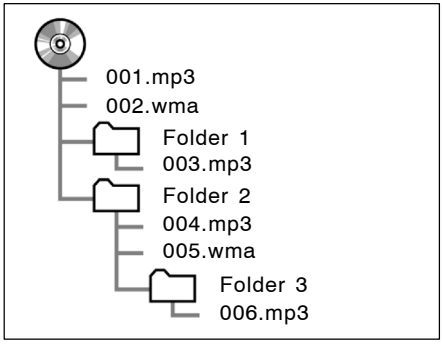
Static — AM is easily affected by external sources of electrical noise, such as high tension power lines, lightening, or electrical motors. This results in static.

MP3/WMA files

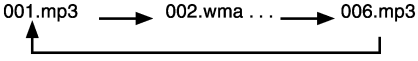
- MP3 (MPEG Audio Layer 3) and WMA (Windows Media Audio) are audio compression standards.
- The MP3/WMA player can play MP3 and WMA files on CD−R and CD−RW discs.

  The unit can play disc recordings compatible with ISO 9660 level 1 and level 2 and with the Romeo and Joliet file system.
- When naming an MP3 or WMA file, add the appropriate file extension (.mp3 or .wma).
- The MP3/WMA player plays back files with .mp3 or .wma file extensions as MP3 or WMA files. To prevent noise and playback errors, use the appropriate file extensions.
- The player can play only the first session using multi−session compatible CDs.
- MP3 files are compatible with the ID3 Tag Ver. 1.0, Ver. 1.1, Ver. 2.2, and Ver. 2.3 formats. The unit cannot display disc title, track title and artist name in other formats.
- WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title, artist name.
- The emphasis function is available only when playing MP3/WMA files recorded at 32, 44.1 and 48 kHz. (The system can play MP3 files with sampling frequencies of 16, 22.05, and 24 kHz. However, the emphasis function is not available for files recorded at these frequencies.)
- The sound quality of MP3/WMA files generally improves with higher bit rates. In order to achieve a reasonable level of sound quality, discs recorded with a bit rate of at least 128 kbps are recommended.

  Playable bit rates
  MP3 files:
  MPEG1 LAYER3 — 32 to 320 kbps
  MPEG2 LSF LAYER3 — 64 to 160 kbps
  WMA files:
  Ver. 7, 8 CBR — 48 to 192 kbps
  Ver. 9 CBR — 48 to 320 kbps
- The MP3/WMA player does not play back MP3/WMA files from discs recorder using packet write data transfer (UDF format). Discs should be recorded using "pre−mastering" software rather than packet−write software.
- The m3u play lists are not compatible with the audio player.
- MP3i (MP3 interactive) and MP3PRO formats are not compatible with the audio player.
- The MP3 player is compatible with VBR (Variable Bit Rate).
- When playing back files recorded as VBR (Variable Bit Rate) files, the play time will not be correctly displayed if fast−forward or reverse operations are used.
- It is not possible to check folders that do not include MP3/WMA files.
- MP3/WMA files in folders up to 8 levels deep can be played. However, the start of playback may be delayed when using discs containing numerous levels of folders. For this reason, we recommend creating discs with no more than two levels of folders.
- It is possible to play up to 255 folders or 999 files on one disc.



- The play order of the compact disc with the structure shown on the left is as follows:



CD−R AND CD−RW DISCS

- CD−R/CD−RW discs that have not been subject to the “finalizing process” (a process that allows discs to be played on a conventional CD player) cannot be played.
- It may not be possible to play CD−R/CD−RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. on the lens of the unit.
- It may not be possible to play discs recorded on a personal computer depending on the application settings and the environment. Record with the correct format. (For details, contact the appropriate application manufacturers of the applications.)
- CD−R/CD−RW discs may be damaged by direct exposure to sunlight, high temperatures or other storage conditions. The unit may be unable to play some damaged discs.
- If you insert a CD−RW disc into the MP3/WMA player, playback will begin more slowly than with a conventional CD or CD−R disc.
- Recordings on CD−R/CD−RW cannot be played using the DDCD (Double Density CD) system.

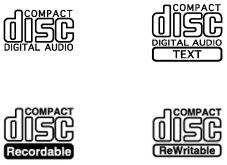
CARING FOR YOUR CD PLAYER, DVD PLAYER AND DISCS

- Your DVD player is intended for use with 4.7 in. (12 cm) discs or 3 in. (8 cm) discs only.
- Extremely high temperature can keep your CD player and DVD player from working. On hot days, use air conditioning to cool the vehicle interior before you listen to a disc.
- Bumpy roads or other vibrations may make your CD player and DVD player skip.
- If moisture gets into your CD player and DVD player, you may not hear any sound even though your CD player and DVD player appears to be working. Remove the discs from the CD player and DVD player and wait until it dries.

⚠ CAUTION

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

CD player

Audio CDs	

- Use only compact discs marked as shown above. The following products may not be playable on your CD player.

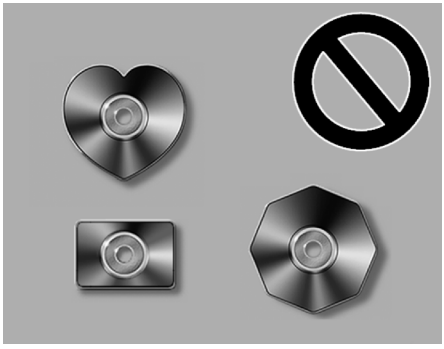
  SACDs
  dts−CDs
  Copy−protected CDs

DVD player

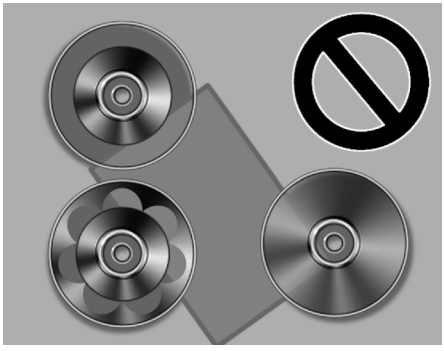
DVD video discs	DVD VIDEO DVD VIDEO

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

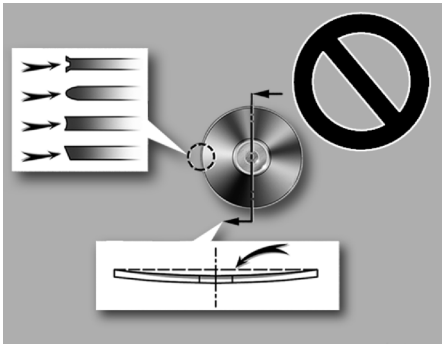
  DVD−Rs
  DVD+Rs
  DVD−RWs
  DVD+RWs
  DVD−ROMs
  DVD−RAMs



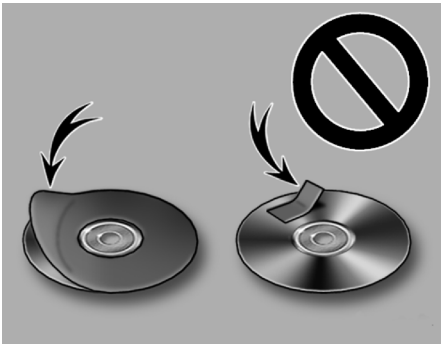
▶ **Special shaped discs**



▶ **Transparent / translucent discs**



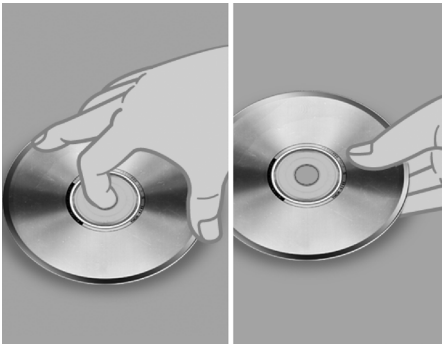
▶ **Low quality discs**



▶ Labeled discs

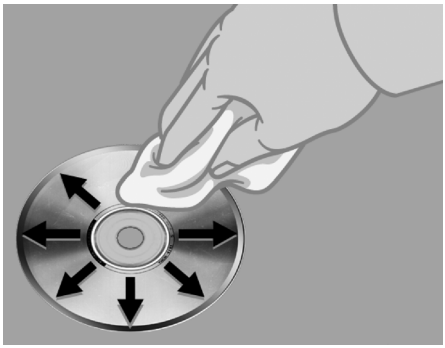
NOTICE

Do not use special shaped, transparent/translucent, low quality or labeled discs such as those shown in the illustrations. The use of such discs may damage the player, or it may be impossible to eject the disc.



▶ Correct ▶ Wrong

- Handle discs carefully, especially when you are inserting them. Hold them on the edge and do not bend them. Avoid getting fingerprints on them, particularly on the shiny side.
- Dirt, scratches, warping, pin holes, or other disc damage could cause the player to skip or to repeat a section of a track. (To see a pin hole, hold the disc up to the light.)
- Remove discs from the player when you are not using them. Store them in their plastic cases away from moisture, heat, and direct sunlight.



To clean a disc: Wipe it with a soft, lint–free cloth that has been dampened with water. Wipe in a straight line from the center to the edge of the disc (not in a circle). Do not use a conventional record cleaner or anti–static device.

TERMS

Packet write —

This is a general term that describes the process of writing data on–demand to CD–R, etc., in the same way that data is written to floppy or hard discs.

ID3 Tag —

This is a method of embedding track–related information in an MP3 file. This embedded information can include the track title, the artist's name, the album title, the music genre, the year of production, comments and other data. The contents can be freely edited using software with ID3 tag editing functions. Although the tags are restricted to the number of characters, the information can be viewed when the track is played back.

WMA Tag —

WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title, artist name.

ISO 9660 format —

This is the international standard for the formatting of CD–ROM folders and files. For the ISO 9660 format, there are two levels of regulations.

Level 1:

The file name is in 8.3 format (8 character file names, with a 3 character file extension. File names must be composed of one–byte capital letters and numbers. The "_" symbol may also be included.)

Level 2:

The file name can have up to 31 characters (including the separation mark "." and file extension). Each folder must contain fewer than 8 hierarchies.

m3u —

Play lists created using “WINAMP” software have a play list file extension (.m3u).

MP3 —

MP3 is an audio compression standard determined by a working group (MPEG) of the ISO (International Standard Organization). MP3 compresses audio data to about 1/10 the size of that on conventional discs.

WMA —

WMA (Windows Media Audio) is an audio compression format developed by Microsoft. It compresses files into a size smaller than that of MP3 files. The decoding formats for WMA files are Ver. 7, 8, and 9.

SECTION VIII

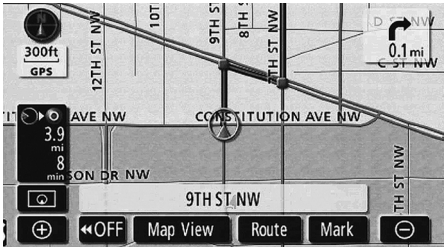
APPENDIX

- Limitations of the navigation system 180
- Map database information 182
- Specifications 192

Limitations of the navigation system

This navigation system calculates the current vehicle position using satellite signals, various vehicle signals, map data, etc. However, the accurate position may not be shown depending on the satellite condition, road configuration, vehicle condition or other circumstances.

The Global Positioning System (GPS) developed and operated by the U.S. Department of Defense provides an accurate current vehicle position using 3 to 4 satellites. The GPS system has a certain level of inaccuracy. While the navigation system will compensate for this most of the time, occasional positioning errors of up to 300 feet (100 m) can and should be expected. Generally, position errors will be corrected within a few seconds.



When your vehicle is receiving signals from the satellites, the “GPS” mark appears at the top left of the screen.

The GPS signal may be physically obstructed, leading to inaccurate vehicle position on the map display. Tunnels, tall buildings, trucks, or even the placement of objects on the instrument panel may obstruct the GPS signals.

The GPS satellites may not send signals due to repairs or improvements being made to them.

Even when the navigation system is receiving clear GPS signals, the vehicle position may not be shown accurately or inappropriate route guidance may occur in some cases.

NOTICE

The installation of window tinting may obstruct the GPS signals. Most window tinting contains some metallic content that will interfere with GPS signal reception. We advise against the use of window tinting on vehicles equipped with navigation systems.

(a) Accurate current vehicle position may not be shown in the following cases:

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

INFORMATION
If your vehicle cannot receive GPS signals, you can correct the current position manually. For information on setting the current position calibration, see page 104.

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

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

After replacing a tire, implement the operation described in the "TIRE CHANGE CALIBRATION". (See page 105.)

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

Map database information

This system uses the maps of AISIN AW.

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There are two types of areas available for route guidance. In one type of area, primarily around metropolitan centers, detailed route guidance is available for the entire area. In the other type of area, all roads are displayed on the map but route guidance is limited. The navigation route might lack precision because the data (no right turns, one–way traffic, etc.) is not complete. It is still possible to reach the destination by following the arrow direction and distance as shown on the bottom left of the screen. The arrow points in the direction of the destination. The distance shown is as measured in a straight line from the current vehicle position to the destination area.

In order to provide you with as accurate map information as possible, we are always gathering information such as on road repairs and carrying out on–site investigations. However, the names of roads, streets, facilities, and their locations frequently change. In some places, construction on roads may be in progress. For that reason, information on some areas in this system might be different from the actual location.

The map database is normally updated once a year. Contact your dealer for information about the availability and pricing of an update.

Specifications

⟨GPS antenna⟩

Dimensions	30.4 × 35.5 × 11.5 (mm)
Weight	80 (g)
Power supply voltage	4.0 to 5.0 (V)
Power consumption	10 to 30 (mA)
Usage temperature	−30 to +90 (°C)
Storage temperature	−40 to +110 (°C)

⟨Display⟩

Liquid crystal panel	7” wide (16:9) low−glare panel
Screen dimensions	156.0 mm (width), 83.1 mm (height), 176.7 mm (diagonal)
Pixel count	280,800 dots (400 (width) × 234 (height) × RGB)
Active pixel rate	More than 99.99%
Display format	Transmissive color filter format
Drive system	TFT (thin membrane transistor) active matrix format
Usage temperature range	−20 to + 65 (°C)
Storage temperature range	−40 to + 85 (°C)

⟨Radio tuner⟩

Reception frequency	• AM 530 to 1,710 kHz • FM 87.75 to 107.9 MHz
Practical speed	• Less than AM 34 dBμ (S/N = 20 dB) • Less than FM 14 dBμ (S/N = 30 dB)
Stereo separation	More than 25 dB

⟨CD⟩

Higher harmonic distortion rate	Less than 0.3%
Frequency characteristic	20 to 20,000 Hz
S/N ratio	More than 65 dB (1 kHz)
Stereo separation	More than 60 dB

〈**Common component**〉

Rated output	More than 11 W × 4 (test voltage 14.4V)
Maximum output	More than 20 W × 4 (test voltage 14.4V)
Suitable load impedance	4Ω (each channel)
Power consumption	● 1 W × 4 output time about 4 A ● About 15 A max
Exterior dimensions	205 mm (width), 104 mm (height), 161 mm (depth)
Weight	About 3.2 kg

- Please note that due to changes in specifications and external appearance, the content of this manual may not correspond exactly with the actual device.
- The number of parts and circuits may be changed to improve functionality without prior notice.