<table>
<thead>
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<th>Road type</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motorway</td>
<td>Orange</td>
</tr>
<tr>
<td>Primary road</td>
<td>Dark grey</td>
</tr>
<tr>
<td>Smaller primary road</td>
<td>Grey</td>
</tr>
<tr>
<td>Ordinary road</td>
<td>Light grey</td>
</tr>
<tr>
<td>Local road</td>
<td>White</td>
</tr>
</tbody>
</table>

Text and symbols on screen:
1. Event at next guidance point
2. Distance to next guidance point
3. Name of next road/street
4. Facility (Restaurant)
5. Planned route final destination
6. Symbol for destination/final destination
7. Calculated arrival time at final destination
8. Planned route waypoint
9. Calculated remaining distance to destination
10. Maximum permitted speed - at car’s current position (17)
11. Compass
12. Traffic information
13. Section covered by traffic information
14. Current road/street name - at car’s current position (17)
15. Next guidance point
16. Planned route
17. The car’s current position
18. Stored location
19. Completed planned route
20. Planned route start
21. Map scale
ROAD AND TRAFFIC INFORMATION - RTI

Volvo's navigation system is a traffic information and road navigation system developed by Volvo. The system guides you to a destination and gives information along the route. It informs of situations that can affect the drive, such as accidents, road works and shows alternative routes.

It is possible to create an itinerary, search for facilities along the route, store special places etc. The system displays the car’s exact position and in event of a wrong turning always corrects to guide you to the destination.

You will see just how intuitive it is to use. Try it out. In order to get along with the system we recommend that you familiarise yourself with the information in this manual.

By facilitating accessibility and shortening driving distances, Volvo's navigation system contributes to a better environment.

License agreement NAVTEQ DATABASE

For information for the end user - see page 74.
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07 Alphabetical Index
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QUICK GUIDE
Activating the system
The car’s electrical system must first be activated:

1. Press the remote control key into the ignition switch and activate key position I (see the owner’s manual for the car).
2. If the navigation system does not start within a few seconds - press the centre console’s NAV button.

Disclaimer
When the navigation system is started the display screen shows a text which must be confirmed:

- Press the OK button.

For more information, see page 13.

Controls
Volvo’s GPS navigator can be operated in several ways:

- With the steering wheel’s right-hand keypad
- With the controls in the centre console
- With a remote control
- With voice recognition.

For a functional description, see page 17.

Main commands
The steering wheel keypad is used in the following two examples to give guidance to an Address or Facility.

- Scroll/select in the menus with the Thumbwheel (1).
- Activate selections with a brief press on the Thumbwheel (abbreviated in the following example with "+ OK").
- Go back in menus and/or undo using EXIT (2).

Centre console controls
If the centre console keypad is used instead of the steering wheel keypad then the following applies:

- Press OK to bring up a menu.
- Mark Set destination + OK.
- Mark Address + OK.
- Mark City: + OK.
### Quick start

<table>
<thead>
<tr>
<th>Display screen/menu</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daisy wheel</td>
<td>Turn the <strong>Thumb-wheel</strong> to select characters and enter it by clicking <strong>OK</strong> - a list of options emerges on the display screen.</td>
</tr>
<tr>
<td>Daisy wheel</td>
<td>Select the appropriate district from the list <strong>+ OK</strong>.</td>
</tr>
<tr>
<td>Navigation menu</td>
<td>Mark <strong>Add to itinerary</strong> + <strong>OK</strong>.</td>
</tr>
<tr>
<td>Itinerary</td>
<td>Mark <strong>Start guidance</strong> + <strong>OK</strong>.</td>
</tr>
<tr>
<td>Map</td>
<td>Guidance starts - follow the instructions.</td>
</tr>
</tbody>
</table>

### Guidance to a facility (POI)

<table>
<thead>
<tr>
<th>Display screen/menu</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>If the display screen does not show a map image, proceed as follows:</td>
<td></td>
</tr>
<tr>
<td>Map</td>
<td>Press <strong>OK</strong> to bring up a menu.</td>
</tr>
<tr>
<td>Navigation menu</td>
<td>Mark <strong>Set destination</strong> + <strong>OK</strong>.</td>
</tr>
<tr>
<td>Set destination</td>
<td>Mark <strong>Facility (POI)</strong> + <strong>OK</strong>.</td>
</tr>
<tr>
<td>Facility (POI)</td>
<td>Select e.g. <strong>Around the car</strong> + <strong>OK</strong>.</td>
</tr>
<tr>
<td>Latest 5 facility types</td>
<td>Select e.g. <strong>All types</strong> + <strong>OK</strong>.</td>
</tr>
<tr>
<td>All facility types</td>
<td>Select e.g. <strong>Airport</strong> + <strong>OK</strong>.</td>
</tr>
<tr>
<td>Result list</td>
<td>Select the desired option from the list + <strong>OK</strong>.</td>
</tr>
<tr>
<td>Navigation menu</td>
<td>Mark <strong>Add to itinerary</strong> + <strong>OK</strong>.</td>
</tr>
</tbody>
</table>

The navigation system calculates the route, travel time and distance to the selected destination. The system provides guidance and instructions on junctions etc.

If there is a deviation from the planned route outline during the journey then the system automatically calculates a new route outline.
GET TO KNOW YOUR NAVIGATION SYSTEM
General information on the manual
There is a quick guide for the user who wants to get started right away - see page 8.

For a more in-depth description of the operation and options as well as the selection of settings to the destination, the recommendation is to read the manual in combination with practical use.

Menu options/Search paths
All options that can be selected on the display screen are marked in this manual with slightly larger and grey-shaded text, e.g. Set destination.

Search paths in the menu tree are stated as e.g.:

Set destination ➔ Address ➔ City:

Set destination ➔ Address

(Set destination > Address)¹

Special text
NOTE

Texts marked with NOTE provide advice or tips to facilitate use of e.g. features and functions.

Footnote
There is information in the manual that is added as a footnote at the bottom of the page or in direct association with a table. This information is a supplement to the text to which it refers via the footnote number/letter.

Options
All types of options/accessories are marked with an asterisk (*).

In addition to standard equipment, this manual also describes options (factory fitted equipment) and certain accessories (retrofitted extra equipment).

The equipment described in this owner’s manual is not available in all cars - they have different equipment depending on adaptations for the needs of different markets and national or local laws and regulations.

In the event of uncertainty over what is standard or an option/accessory - contact a Volvo dealer.

Changes in the manual
The specifications, design features and illustrations in this owner’s manual are not binding.

We reserve the right to make modifications without prior notice.

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¹ Not in English manuals - but shown here as an example.
02 Get to know your navigation system

General
The Volvo navigation system uses reference system WGS84, which gives longitude and latitude positions.

The car’s navigation system can be used without a destination being selected.

Map position
Upon start-up, the navigation system shows an on-screen text message, which must be confirmed by pressing the OK/MENU button. The text is as follows:

- This system provides route information to help you reach your destination. Due to road conditions, some recommendations may not be accurate. Obey all traffic laws and drive based on your own good judgement. Always concentrate on your driving by keeping your eyes and mind on the road.

Then a map of the current geographic area is shown where the car is symbolised by a blue triangle.

Settings
The system is supplied with default settings, but starts with the settings last used.
There is a function that resets all settings to default settings simultaneously, see page 55.

On/Off
On
1. Push the remote control key into the ignition switch.
2. The screen activates automatically in the key position I (see the car’s manual).
3. Press the centre console’s button NAV if the navigation system does not start automatically.
4. Press OK when the "Start up" text appears on-screen, see previous section "Map mode".

The system may need a few seconds in order to detect the position and movement of the car.

Off
The navigation system is shut down when the remote control key is removed from the ignition switch.

The Navigator cannot be switched off manually, but always works in the background after the "Start up" sequence. If the navigation system is not to be switched on:
- Press EXIT at the "Start up" sequence, see section "Map mode".

NOTE
The navigation system is also available when the engine is switched off. When the battery level gets too low the system switches off.

Demo (simulated guidance)
To see how the system works, guidance to an indicated destination can be simulated on-screen - see page 57.
02 Get to know your navigation system

Overview

NOTE: The picture is schematic - some details may vary depending on car model and market.
1 Antenna for GPS
The antenna is integrated into the roof antenna.

2 Voice recognition
Some procedures in the Navigation system can also be voice controlled. The microphone (2a) is fitted in the ceiling and the activation button (2b) is located on the right-hand keypad on the steering wheel. For more information, see page 19.

3 Main unit
The main unit is fitted in and behind the centre console and includes the following functions:
- Calculating the position of the car
- Calculating the route to the specified destination
- Handling traffic information
- Voice guidance
- DVD player
Receiver for GPS and traffic information (TMC\textsuperscript{1}) is integrated into the main unit.

Positioning
The car’s speed sensor and a gyro calculate the current position and the direction of travel of the car using signals from the GPS satellite system.

The advantage of this concept is that the Navigation system registers and calculates the route outline even if the GPS signal is temporarily lost, e.g. when driving through a tunnel.

Traffic information
TMC\textsuperscript{1} is a standardised coding system for traffic information. The receiver automatically searches for the correct frequency. Reception takes place via the FM antenna.

**NOTE**
TMC is not available in all areas/countries. The system’s coverage area is under constant construction and updating may sometimes be necessary.

For information about updating map data and software, see page 25.

4 Screen
The screen displays maps and provides detailed information on route type, distance, menus etc. For information screen care, see page 26.

5 Keypad, centre console
As an alternative to the steering wheel keypad, the centre console’s numeric keypad can be used in combination with buttons OK/MENU, TUNE and EXIT to scroll between different menu options, confirm options or go back in menus, see page 17.

6 Volume control and IR receiver
Use the audio unit’s volume control during ongoing voice messages to adjust the volume, see page 29. The volume can also be adjusted in the menu system.

Point the remote control towards the centre console during use - its IR receiver is located there.

\textsuperscript{1} Traffic Message Channel
02 Get to know your navigation system

Overview

7 Keypad, steering wheel
A keypad is located on the right-hand side of the steering wheel. Use it to scroll between different menu options, to confirm selections or to move back in menus, see page 17.

8 Speakers
Navigation system audio uses the front loudspeakers.
General information about controls
The navigation system is operated by controls on the centre console, the steering wheel keypad or using a remote control*. The three different control unit keypads have common functions but differ in appearance and operation. The design may also vary depending on market.

The system can also be controlled by voice recognition using specific commands - see page 19.

Centre console keypad.
1 NAV activates the GPS navigator on the display screen. The button also switches between On/Off to display e.g. climate system status on the top and bottom section of the display screen.
2 Numerical keys enter information for address and name search, and scroll on the map, see pages 23 and 30.
3 Press OK/MENU once to confirm or activate a selection. Described in this manual with the "OK button" or "+ OK".
4 Turn TUNE to scroll between different menu options. Described in this manual with the "TUNE knob".
5 Press EXIT once to go back in the menu structure or undo a selection.

Steering wheel right-hand keypad.
1 Turn the thumbwheel to scroll between different menu options.
2 EXIT goes back in the menu structure or undoes a selection.

Steering wheel
The steering wheel's keypad is available in several versions depending on market and selection of audio system.

Remote control
The remote control can be used to control/operate several different functions in the car - only the related navigation system is described here.

Point the remote control at the centre console during use.

* Option/accessory, for more information, see Introduction.
02 Get to know your navigation system

Controls

Remote control keypad.

**NAV** activates the GPS navigator on the display screen. The button also switches between On/Off to display e.g. climate system status on the top and bottom section of the display screen.

**EXIT** goes back in the menu structure or undoes a selection.

**OK/MENU** confirms or activates a selection. Described in this manual with the "OK button" or "+ OK".

**Arrow keys** move the menu cursor.

**Numerical keys** enter data for address and name search, and scroll on the map.

**NOTE**
If the remote control does not work, try replacing with new AA/LR6 batteries first of all.

**WARNING**
Store the remote control and other similar objects in one of the storage compartments - in event of hard braking and/or collision such objects can cause personal injury or other damage.

**Voice recognition**
See the next section.

Additional information

Sometimes there is more information available than can fit on the menu bar - the line then ends with the character: "#".
To view the rest of the information:
- Press the INFO button.
02 Get to know your navigation system

Voice recognition

General about Voice control
Voice control means that certain functions in the navigation system can be activated by the spoken word.

The Voice commands offer comfort and help the driver to avoid distraction - instead the driver can concentrate on driving and focus attention on the road and traffic situation.

WARNING
The driver always holds overall responsibility for driving the vehicle in a safe manner and complying with all applicable rules of the road.

The Voice control uses the common microphone of the hands-free system - the driver receives responses to the Voice control through the vehicle’s loud speakers.

The microphone is positioned in the ceiling in front of the driver for optimal take-up of the driver’s speech - it can however be disturbed by/pick up loud voices from passengers.

Handling

Handling

Activate the system
- One short press on the steering wheel button (1) activates the system - it is then ready to accept a command.

Think of the following when using the Voice control system:
- For commands - Speak after the tone with a normal voice at a normal tempo
- The car’s doors, windows and sunroof must be closed
- Avoid background noise in the passenger compartment.

NOTE
If unsure of which command to use the driver can say "Help" - the system then responds with several different commands that can be used in the relevant situation.

The voice command can be interrupted by:
- not speaking
- saying “Cancel”
- holding the steering wheel button for voice control for a couple of seconds
- press EXIT
- press one of the centre console buttons NAV, RADIO, MEDIA, MY CAR or CAM.

Use the voice command
Entering information in the navigation system using the voice command is very simple because the screen lists the frequently occurring commands to be used in the relevant situation.

Start
A voice command is started as follows:
02 Get to know your navigation system

Voice recognition

1. Press the steering wheel button for Voice control - the display lists examples of possible commands.
2. Select "Navigation" for example and state the word clearly and in normal conversational tone.
3. The screen shifts to the option "Repeat instruction/Navigation go to address/Itinerary" - Select and say "Itinerary".
4. Etc....

Note that greyed out text and text in brackets is not included in the spoken command.

Tips

Some good advice:

- Give a command by first pressing the voice button and then speaking naturally after the tone.
- To respond to the Voice control system - speak after the tone at the end of the question.
- To interrupt a voice session - hold the voice button in.
- The driver can obtain help during a dialogue by saying "Help" after a listening tone.
- The dialogue with the system can be speeded up - Interrupt the system's speech with a short press on the button's voice button, wait for a tone and then start talking.
- If the driver is concentrating on driving, there is no need to make an immediate response to the question.
- The system asks for an action a maximum of three times - if the driver does not respond the dialogue is ended.
- Avoid speaking while the system is responding - the system is not disturbed by this but the driver may miss information stated by the system

Example

Here are some normal commands:

- Navigation go to address
- Navigation go to POI
- Navigation delete next waypoint
- Navigation cancel guidance.

NOTE

For various reasons, it is not possible to select all menus and options that are visible on the screen:

- **Selectable** - menu lines/options are clear and white.
- **Not selectable** - menu lines/options are matt and grey.

The command can be given in several ways

The command "Navigation go to address" can be stated as:

- "Navigation > Go to... > Address" - Say "Navigation", wait for the system response in the form of suitable on-screen options. Continue by saying, for example, "Go to..." and conclude with "Address".
- Say the whole command in one sequence - "Navigation go to address".

NOTE

A complete list of quick commands is in MY CAR-menu - Go to Settings ➔ Voice settings ➔ Voice command list ➔ Navigation commands.
Help functions and settings

In the menu system MY CAR there are programs where the driver can practice the different functions in the Voice control system. To describe the menu system MY CAR - see the car’s normal instruction manual.

The better the driver knows the Voice control system, the more comfortable the driver will be using the functions. Practicing using the integrated practice programs is therefore recommended.

NOTE
The practice programs are only accessible when the car is stationary with the hand-brake applied.

Introduction to voice control

The program Voice tutorial gives the driver step by step instructions in the use of the Voice control system and is a simple way of becoming familiar with the methods of giving the commands.

The program can be started in two ways:
- Press the steering wheel button for voice control and say "Voice tutorial".
- Activate the program in MY CAR - Go to Settings ➔ Voice settings ➔ Voice tutorial.

Voice training

The program Voice training teaches the Voice control system to recognise the driver's voice and speech pattern. It is also possible to create a second user profile - an advantage if more than one person is likely to use the car/system regularly.
- The voice training is started in MY CAR - Go to Settings ➔ Voice settings ➔ Voice training ➔ User 1 or User 2.

More settings in MY CAR

- **User profile** - 2 x different user profiles can be set. Go to Settings ➔ Voice settings ➔ Voice user setting. Tick one of the options Default setting, User 1 or User 2.
- **Voice volume** - Go to Settings ➔ Voice settings ➔ Voice output volume and select the desired level.

The system’s voice volume can also be adjusted using the centre console TUNE knob when the system is speaking.

Language

The voice control system is under constant development and at time of printing the following languages were available:
- English (UK)
- English (US)
- French (CAN)
- French (FRA)
- Dutch
- Italian
- Spanish (EU)
- Spanish (US)
- Swedish
- German

NOTE
Voice recognition GPS navigation is only available in the countries listed here. Location names and address records have not been loaded for other languages/markets.

To change the language - Go to Settings ➔ System options ➔ Language and select.
**Voice recognition**

The languages that are included in the Voice control system have this icon in the language list.

**Language dependent user profile**

The voice control system only understands the language set in **System options**.

Say that user profile **User 1** is stored by a Swedish speaking driver with the system set in Swedish. If the driver changes the car language to English the user profile **User 1** will no longer be selectable because the system now only understands, and expects English speech - instead the option **Default setting** becomes active.

To improve the system's understanding of the driver's English speech the solution is to teach and store the driver’s English speech in **User 2** with the system set to English (to have both variants available) or to replace the Swedish language profile in **User 1** with an English profile.
02 Get to know your navigation system

Entering and selecting options

Screen view with text field or optional text.

This navigation system uses a "daisy wheel" to enter specific information, e.g. type of facility, place/town, area/country, address, street or post code.

Activate an option

After marking a desired function/menu bar using the thumb wheel or the TUNE knob, press the thumb wheel/OK to see the next level of functions/options.

Enter as follows

The daisy wheel.

1. Mark a text field.
2. Press OK to call up the "daisy wheel":
3. Select the characters using the thumb wheel/TUNE knob and enter them by pressing thumb wheel/OK.

Numerical keyboard

Another way of entering characters is using the centre console’s buttons 0-9, *, and #.

When 9 is pressed, a bar appears with all characters1 under the buttons, e.g. W, x, y, z and 9. Quick press the move/"loop" cursor through these characters.

- Stop using the cursor on the desired character to select it - the character is shown on the enter line.
- Delete/change using EXIT.

More options

NOTE

Muted characters cannot be selected in combination with the relevant entered characters.

In the daisy wheel’s inset menu there are further options that have more characters and digits.

- More (More) + OK - alternative characters appear in the wheel.
- 123 + OK - digits appear in the wheel.
- => + OK - the cursor moves to the list on the right-hand side of the screen where selections using OK can be made.
- Last 5 (Last 5) + OK - lists the most recent searches. Mark one of them + OK.

1 The character for each button may vary depending on market/state/language.
List of options

List that matches entered characters.

The digit 5 in the screen’s top right-hand corner indicates that the list contains 5 possible options that match the entered letters BEZ.

No list
An empty list and the characters *** in the upper right-hand corner’s digit window, mean that the available options with current entered characters are more than 1000 - when the amount is less, the current options are shown automatically.

To reduce the number of options in the list:

- Enter more characters on the text line.
DVD contents
DVDs with updated map data and related enhanced information are being developed continually. Contact a Volvo dealer for information on the latest issue.

NOTE
Map data does not have 100 percent coverage in all areas/countries.
The system’s coverage area is under constant construction and updating may sometimes be necessary.

See also www.volvocars.com/navi for further information on maps etc.

Map areas
The car’s map system varies depending on market. The following main maps are available:
• Australia & New Zealand (Pacific)
• Europe
• Hong Kong
• Japan
• China
• Middle East
• North America

• Russia
• South Africa
• South America
• Southeast Asia
• Turkey.

Should you need to modify the navigation system's map area - contact a Volvo dealer for information on how to proceed.

Updating the map data
When updating, DVDs are used to transfer new information to your car’s navigation system. This is done using the car’s regular DVD player.

NOTE
• A number of the Infotainment functions are disabled or reduced during updating.
• Before an update begins - read through the instructions first.

In the event of any questions about updating - contact a Volvo dealer.

License code
To be able to activate an update, a licence code has to be entered first. This code can be found on the Internet.

1. Open the website1 "Activate your navigation system".
2. Enter your car’s VIN number and the owner’s e-mail address in the relevant entry fields, then click to close the website.
3. Note the licence code which is then displayed on screen. This licence code is also sent to the specified e-mail address.

Updating
How to update the navigation system:

1. Start the engine.
2. Insert the first disc in the DVD player and follow the instructions on screen. An update is often distributed on several discs2 - insert the discs in the logical/numerical order.

1 The Internet address from which the licence code is generated comes with the update DVDs.
2 The number of discs depends on the market.
02 Get to know your navigation system

**DVD disc, screen**

3. The screen shows **New software found** - start the update by pressing **OK**. (Cancel by pressing **EXIT**).
4. The screen shows **Please enter license code**: input the license code using the numeric keypad, see page 17.
5. Follow the instructions on screen, which continuously show the progress of the update and the approximate time remaining.
   - The update has to be enabled once all DVDs have been loaded. This is done by switching off the engine and waiting 5 minutes before restarting. The update is then complete and the navigation system can be used again.

**NOTE**

Updating of map data can in some cases also introduce new functions to the system, which are not described in this manual.

**Interrupted update**

If the GPS navigator needs to be used after an update has started but is not complete, it is possible to cancel the process manually. Proceed as follows:
1. If the car is in use: Park the car in a suitable location.
2. Eject the DVD.
3. Press the **START/STOP ENGINE** button - the engine stops.
4. Remove the remote key from the start lock and wait 5 minutes.
5. Restart the engine and press the centre console **NAV** button - the navigator is enabled and ready for use. Note that the navigator has not been updated yet, but has been activated using the original map data.

**Continue an interrupted update**

If the update is not complete when the engine is switched off, the process continues from where it left off the next time you start the engine. Proceed as follows to restart an interrupted update:

1. Perform steps 1-3 in the previous section, "Updating" - the update will continue from where it left off.
2. Follow the instructions on screen.

**Care of DVD discs**

Handle DVD discs with care.

When they are not in use they must be stored in their packaging. Avoid storing them in damp, high temperature, direct sunlight or dusty surroundings.

**Screen care**

Clean the screen with a soft, lint-free rag, lightly moistened with a mild window cleaning agent.

**IMPORTANT**

Do not place any objects in front of the GPS navigator’s display screen - the surface could then be scratched. Mobile phones can also interfere with the display screen’s function.
02 Get to know your navigation system

DVD disc, screen
02 Get to know your navigation system

Maps, road types and compass

1. NG the motorway
   POIs at/on M40 IR 3
   PREMIER INN

2. Tottenham Court Road
   102 km Sunset Boulevard

3. 5.0 km WESTERN AV...
   EALING GOLF COUR
   WESTERN AVENUE

4. LONDON
   HAYES, MIDDLESEX, M4

NOTE: The images are schematic - some details may vary depending on software version and market.
Map image of current position
The appearance of the screen image depends on geographic position and the settings made, e.g. map scale, facilities selected for display etc.

Explanations for the text, signs and symbols that may appear on the display are available on the front of the cover.

1 POIs along the motorway - see page 40.

2 Detailed junction map - the left-hand section of the display screen shows a detailed enlargement of the next junction\(^1\). The situation is always supplemented with a voice message, see next section.

3 Two maps can be selected as display mode. The screen shows the same map image but in two different scales. 2D or 3D display can also be selected - see page 51.

4 Scroll mode - see page 30.

Voice guidance
After a destination has been entered and the car approaches a junction or exit, a voice message sounds stating distance and type of the next manoeuvre. At the same time a detailed map of the junction is displayed. The voice guidance message is repeated closer to the junction.

The volume can be adjusted with the audio unit’s volume button (during ongoing voice message).

To repeat a message:
• Press twice on the OK button.

Also see Settings ➔ Guiding options ➔ Voice guidance - see page 53.

Compass
The red tip of the compass needle points north and the white end points south.

Go to Settings ➔ Map options ➔ Compass to select a different view or so that the compass is not shown - see page 52.

NOTE
In certain cases (for example if using a Bluetooth connected mobile phone) the voice message is replaced by a ping noise.

To select male or female voice and language:
• Go to the menu system in MY CAR - see the car’s manual. The voice volume can also be adjusted there.

\(^1\) This function can be expanded - see page 53.
02 Get to know your navigation system

Menus

Menu system
All menus and options are presented in the relevant section of the manual.

NOTE
For various reasons, it is not possible to select all menus and options that are visible on the screen:
• Selectable - menu lines/options are clear and white.
• Not selectable - menu lines/options are matt and grey.

Main menu

The main menu is at the top of the navigation system's menu tree and is the first menu to greet the user after the start-up disclaimer and map mode.

To the main menu from map mode
• Press the OK button.

To the main menu from another menu
• Press NAV and then OK.
or
• Press EXIT repeatedly until it is shown.

Back to the Main menu
Regardless of where the user is in the menu structure, the Main menu can always be accessed by pressing once or more on the EXIT button.

Back to the map
There is an easy way to quickly bring up the map on the screen again, no matter how deep into the menu system the user is:
• Hold in EXIT for a few seconds.

Scroll menu

In Scroll mode a crosshair is moved over the map image with the centre console's numerical keys.

Activating Scroll mode in normal map mode
• Press one of the numerical keys 0-9.

Scrolling
• Press one of the numerical digit keys 1-2-3-4-6-7-8-9 - a directional arrow is shown in the margins combined with the number that will be used to scroll the map in the desired direction.

Zooming out/in
• Turn the TUNE knob.

Exiting from Scroll mode
• Press EXIT.
Crosshair
Press OK once to show a menu for the point on the map, which the centre of the crosshair points to:

- Add to itinerary - Adds the selected point to the itinerary.
- Facilities around - Allows you to search/view available facilities around the selected location.
- Read traffic message - Allows you to view traffic messages\(^1\) around the selected location.
- Information - Shows information available about the selected location.
- Store location - Allows you to store the selected location in the memory. (Opens the menu Set destination \(\rightarrow\) Stored location \(\rightarrow\) Edit - see page 41).

Pause guidance

With the cursor on Pause guidance + OK the guidance can be switched off temporarily after which neither visual nor acoustic guidance is given - at the same time the menu-bar changes to Resume guidance. However, the system’s car symbol continues to show the car’s actual position on the map.

Resuming guidance

- Select Resume guidance + OK.

\(^1\) The service is not available for all areas/markets/states.
02 Get to know your navigation system

**Menu tree in three levels**

Shown here are three of the menu tree’s levels. Several of the menus at level 3 have further submenus - these are described in more detail in each respective section.

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- **Facility (POI)**
  - By name
  - Around the car
  - Along the route
  - Around point on map
  - Along the street
  - Along the motorway
  - MyPOI near the car
  - MyPOI around point on map

- **Stored location**
  - Add to itinerary
  - Information
  - Edit
  - Sort by
  - Delete

- **Previous destination**
  - Add to itinerary
  - Information
  - Store
  - Delete
  - Delete all

- **Return trip**
  - Start guidance
  - Add to itinerary
  - Edit itinerary

- **Point on map**

- **Latitude & Longitude**

- **Post code**

- **Route details**

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### 02 Get to know your navigation system

#### Menu tree in three levels

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A Not available in all areas/markets/states.
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03 Planning your trip

Specify a destination

Address

If a destination’s latitude and longitude are known then these can be entered.

See page 23 for information on how characters are written/entered into the system’s various text fields.

NOTE

The definition of city or area can vary from country to country, and also within the same country. In some cases a metropolitan area is indicated - in others an individual suburb.

City or street

There are several different ways to program a destination.

It is sufficient to simply specify a district/city and start the journey - it leads to the centre of the district/city.

How to search and locate a destination:

1. With the previous image view on the display screen - Press OK to activate the preset text box.
2. Enter the street’s name Street: with the "daisy wheel" (see page 23) and then select a desired City:.
3. Or City: + OK and start by entering it.

The following search criteria can be used:

- Area: - Enter a country.
- City: - Enter a district/city.
- Post code: - Under City: the search can also be made using a post code.
- Street: - Enter the street address.
- Number: - Select one of the street’s house numbers.
- Junction: - Select a destination based on where the two streets/roads intersect.
- Add to itinerary - Select + OK to add the address to the itinerary.
- Information - Select + OK to view information about the selected destination.
More about Information

Select an address/street + OK - then the following can be selected:

- **Map** - Shows where on the map the location can be found - sometimes with additional information.
- **Call** - Calls the facility if a telephone number is given.
- **Related facility** - Lists the facilities associated with the current/selected facility.
- **Parking around** - Lists parking where appropriate around the selected location, with distance.

**Facilities**

The system contains a large number of searchable facilities which can be specified as destinations. The list of desired facilities can be shortened by specifying which facility/facilities the current search relates to:

- **Select Type:** and specify which facilities should be covered by the search (it is the same approach as described on page 52).

To select which facilities should be permanently visible on the map, go to the menu **Settings ➔ Facility on map** - see page 52.

All searches are made in the manner described in the previous section **City or street:**

1. Specify Area:/City:/Type:/Name:
2. Then select Add to itinerary or Information + OK.

**With name**

In addition to searching with main group, such as Restaurant, the company name of the facility can also be used, e.g. "Peppes Bodega". The procedure is the same as when searching with Address, see page 38.

When searching with Name: with e.g. "London Airport", all combinations with "London" will be shown when "Lo" is entered. The more letters you input the more specific the reply.

A search with "Lo" also produces reply alternatives such as "Restaurant Lou Trivalou" for

---

1 Requires connected mobile phone.
Specify a destination

example, as alternatives containing several words separated by spaces are also included in the search.

**NOTE**

There are subcategories for restaurants in order to simplify the search.

**Around the car**

Search of facility refers to the area around the car's current position.

**Along the route**

Search of facility refers to the area along the set itinerary.

**Around point on map**

Search of facility is made with the Scroll function’s crosshair - see page 30.

- The scroll map is shown - place the crosshair on the desired location + **OK**

**Along the street**

Search of facility refers to the area along a specific street/road.

**Along the motorway**

This search lists the facilities easy to reach from the motorway, e.g. service stations along the motorway or at the exits.

**My POI around the car**

MyPOI near the car
03 Planning your trip

Specify a destination

This function allows facilities that the user has entered into the system - My POI² - to be searched for in the area around the car’s current position.

**My POI around point on map**

Facilities that the user has entered into the system - My POI² - are searched for here around the cursor position on the map.

The search is made with the Scroll function’s crosshair - see page 30.

- The scroll map is shown - position the crosshair on the desired My POI + OK

**Stored location**

The driver can store a large number of his/her own locations in the system. They can then be used to quickly draw up/supplement an itinerary.

**Storing a location**

To store a chosen location:

1. Use the Scroll function (see page 30) and select the location to be stored.
2. Press OK to display the "crosshair" menu.
3. Select Store location + OK - now the location is stored and is included in the list Stored location.

Mark a stored location in the list + OK and choose between the following options/ headings:

**Add to itinerary**

Opens the same window as for Set destination ➔ Address ➔ Add to itinerary - see page 45.

**Information**

Opens the same window as for Set destination ➔ Address ➔ Add to itinerary ➔ Information - see page 39.

**Edit**

² For information about how individual facilities (My POI) can be added to the map database - see page 54.
03 Planning your trip

Specify a destination

Opens selected "Stored location" and allows you to change/update the following:

- **Name** - Enter a name for the location.
- **Icon** - Select the symbol to represent the current location.
- **Address** - Opens the map to adjust the location's geographical position.
- **Phone** - Enter a telephone number.
- **Edit voicetag** - Record own sound. Follow the on-screen instructions.
- **Show name on map** - Untick if the location name is not to be displayed on the map.
- **Store** - Save changes with **OK**.

Sort by

Select whether stored locations are to be sorted by:

- **Name**
- **Icon**
- **Distance**
- **Chronological**

Clear

Delete

- Delete a marked stored location.

Previous destinations

Previously used destinations are stored here. Mark one of them and then select between:

- Add to itinerary
- Information
- Store - see more about this option after the next image.
- Delete
- Delete all.

Set destination ➔ Previous destination

The **Store** option presents this Edit menu.

The **Store** menu option leads to the same Edit menu as for **Stored location ➔ Edit**.

For more information - see page 41.

- To add/change information for a destination - Select **Store + OK**.

Return trip

Goes back to the itinerary starting point. Can be selected anywhere/anytime in the itinerary.

---

3 Only in combination with audio system "High Performance" or "Premium".
Search via point on map

Set destination ➔ Point on map

Shows maps with current location pointed out by a cursor.

- Turn **TUNE** to change the scale.
- Move the crosshair using the centre console’s numerical keys: [6 MNO] moves to the right, [8 TUV] moves down, etc. - see page 30.
- When the desired location has been found - Press **OK**.

Search via Latitude/Longitude

Select destination with GPS coordinates:

1. Place the cursor on the character to be changed and press **OK** - the character window becomes "active".
2. Enter a digit using the centre console’s numerical keys (or turn **TUNE**) - finish with **OK** or place the cursor on the next character - the previous character window becomes "deactivated".
3. Move the cursor to the next character location to be changed and repeat.
4. With the cursor in both windows to the far right, (or turn **TUNE**) the letters for the cardinal points - N = 6, S = 7, W = 9 and E = 3 are entered.

5. When both coordinates are entered - select **Add to itinerary** + **OK** to add the location to the itinerary.

Add to itinerary
Add to itinerary
Add the location of the selected coordinates on the map to the itinerary.

Information
Information
Shows information available about the location.

Post code

Search destination by post code:

1. Select Post code: + **OK** to view the "daisy wheel".
Specify a destination

2. Select characters with the TUNE knob and type/enter them by pressing OK. (Or type/enter characters using the centre console's numerical keys - see page 23).

NOTE

Presentations of post codes may differ between different markets/areas.
**Menu overview**

The system handles one itinerary at a time with a maximum of 8 intermediate destinations. The first specified destination is the journey's Final destination - subsequent input destinations are Intermediate destinations.

**NOTE**

The most recently added destination is always Way point-1 - previous Way points are increased a step: "Old" Waypoint-1 becomes Waypoint-2, etc.

If a new order is required - Go to Route details ➔ Itinerary, **Mark a way point** and ➔ Move in list.

**Enter an itinerary**

Draw up an itinerary with several stops to avoid entering destination after destination during your trip.

One final destination with up to 8 intermediate destinations can be specified.

**Start guidance**

Results with "Route proposal 3" ticked.

Cursor on **Start guidance** ➔ OK activates current itinerary.

If the display of 3 alternative itineraries is preset then the driver can select one of them, see the menu Settings ➔ Route options ➔ Route proposals, page 50.

**Add to itinerary**

Adds an intermediate destination. Gives the same menu as in "Set destination" - see page 38.

**Edit itinerary**

Gives the options:
03 Planning your trip

**Itinerary**

- Clear itinerary - deletes the current itinerary.
- Route options - opens a shortcut to Settings ➔ Route options - see page 49.

**Intermediate destinations in the itinerary**

By selecting intermediate destination + OK each intermediate destination in the itinerary can be updated.

- Information - Full name and address, and Latitude and Longitude. In addition, a facility can be Called up and any Facilities around the location and Car parking in the vicinity can be seen.
- Delete - deletes the intermediate destination.
- Move in list - changes the order in the itinerary.

- Adjust on map - shows the location on the map with a crosshair. Another location there be scrolled forward and selected with OK, see more about the Scroll function on page 30.
- Store - opens the menu Set destination ➔ Stored location ➔ Edit - see page see page 41).

**Avoid**

A distance in the itinerary can be deselected here. The alternative distances are calculated from the car’s current position. The system then selects another route.

- Select the desired option + OK.

**Next destination**

Shows the next intermediate destination’s position on the map, name, address, estimated time of arrival and distance there. Also gives the options:
• **Delete** - deletes the current intermediate destination and shows the next one.
• **Map** - shows the position on the map in the Scroll menu, see page 30.
• **>>** - scrolls to the next intermediate destination in the itinerary, in a loop.
• **Call** - calls up the facility if possible.

### Route instructions

- **Route details** ➔ **Route instructions**
- **Map of entire route**
  - The itinerary’s waypoints are listed here.
- **Map of the remaining route**
  - Shows screen image similar to the one in the previous section, but here only with the itinerary’s remaining distance from the car’s current position.
  - Otherwise, the same functions as in the Scroll menu, see page 30.
Current position

Where am I?

Displays a map with the car’s current position and information on the location, such as name and coordinates.
Traffic information

Certain traffic message sorting can be done here:

- **All** - all reported traffic disruptions appear.
- **Major** - indicates, for example, closed roads due to accidents or other large/long-term disruption.
- **None** - indication of traffic problem off.

**NOTE**

This setting does not affect the calculation of a route.

Route type

Different types of itinerary can be selected here:

- **Fast** - shortest possible travel time prioritised
- **Short** - shortest possible route prioritised
- **Easy** - minimum number of junctions and similar traffic systems prioritised.

Traffic message

Further settings that affect traffic information can be made, in addition to those described here - see page 64.

Route options

Different types of itinerary can be selected here:

- **Fast** - shortest possible travel time prioritised
- **Short** - shortest possible route prioritised
- **Easy** - minimum number of junctions and similar traffic systems prioritised.
03 Planning your trip

Settings

Route proposals
At the command Start guidance there may be several similar suitable options. Select this if the driver should be asked in case there are several options to choose from:

- Select 1 if the navigation system is to select the most suitable option.
- Select 3 if the driver is to be able to select between the maximum 3 suggestions.

See more information on page 45.

Customise route
Here you can deselect certain traffic suggestions. Tick to avoid the following element\(^1\) along the route:

- Avoid motorways
- Avoid toll roads
- Avoid ferries
- Avoid congestion charging zones
- Avoid tunnels
- Avoid time restricted roads
- Avoid season restricted roads
- Avoid car trains
- Avoid unverified roads
- Avoid borders

NOTE
- If an itinerary is entered when these selections are made, there may be a certain delay after an alternative has been ticked/unticked because the travel plan must be recalculated.
- If tunnels, toll roads and motorways are deselected these are avoided to the greatest possible degree and only used if there are no other suitable alternative is available.

Route learning
The basic condition is a stored itinerary. If the driver deviates from the itinerary and take a different route to the final destination than the system recommends, the system memorizes the driver’s choice.

If the same itinerary is used again 2 times and the driver repeats the route choice, the system will instead show the path that the driver selected.

Ticked window means that a route that is driven 3 times is stored as itinerary instead of the original itinerary.

\(^1\) Available options vary depending on market/area/state.
03 Planning your trip

**Settings**

---

**Reset route learning**
Reset route learning
Erase driving history.

**Map options**

- **Map colours**
  Choose between:
  - **Automatic** - a light sensor detects whether it is day or night.
  - **Day** (in previous image)
  - **Night**

- **Single map settings**
  Single map settings
  - **Map orientation** - Select **Heading** or **North**.
  - **Map view** - Select **2D** or **3D**.

  - **2D** - car symbol and map image seen at right angles straight from above.
  - **3D** - car symbol and map image seen obliquely from the side/above.

**Show dual map mode**

- The screen can display the map of the entire image area or the same map view in 2 different scales on each left and right half.
- Select by ticking in the box by **Show dual map mode + OK** and **EXIT**.

---

2 Only if Map orientation > Heading is selected.
03 Planning your trip

Settings

Left map settings

- Map orientation - Select Heading or North.
- Map view - Select 2D or 3D.

Right map settings

Same as for left map - see previous section.

Adjust the map scale in dual map mode

To view both maps with different map scales, they can be adjusted individually as follows:

1. Start from map view mode. Turn the TUNE knob to the left and right - one screen half is surrounded by a colour frame.
2. Press OK - selected screen half is now "active".
3. Turn the TUNE knob to adjust the scale.
4. Press OK again - done, the screen half is "deactivated".

Facility on map

- All - all facilities appear.
- None - no facilities appear.
- Selected - A menu with all facilities appears: Tick the facilities that you want to appear on the map.

NOTE

If a POI category with many symbols on the map is deselected/switched off, more POIs from other categories can be shown/viewed on the screen.

Possible facilities are listed on page 68.

Compass

Select the type of compass you want to appear on the map image:
- Graphic
- Text - compass direction (upwards on the display screen) is indicated by a letter, e.g. N for "North".
- None.

See more information about the compass on page 29.

Show current road name

Cursor on Show current road name + OK ticks the function that shows the name of the street/road where car is located in the lower edge of the display screen.

Show speed limits

Cursor on Show speed limit posting + OK ticks the function that shows a traffic sign with the current speed limit in the top right-hand corner of the display screen.

Show information fields

Cursor on Show information fields + OK ticks the function that shows information contained in the text files on the top and bottom of the map.
The function can also be switched on/off with the centre console’s **NAV** button.

**Guiding options**

- **Voice guidance**
  - If you want voice guidance - tick option **Voice guidance**. See more information on page 29.

- **Voice output volume**
  - The option shows a volume control on the screen that can be used to adjust the Voice guidance volume.
  - Adjust using the **TUNE** knob + **OK**.
  - See more information on page 15.

- **Street names in voice guidance**
  - **Cursor on Street names in voice guidance** + **OK** ticks the function that enables voice guidance information about distance and direction to be complemented with spoken names of streets and roads.

- **Time of arrival format**
  - **Select the time to appear on the screen:**
    - **ETA** - shows the estimated arrival time
    - **RTA** - shows the remaining time until arrival.

- **Show junction map in other program**
  - The navigation system can work in the background while at the same time the display screen shows a different program source, e.g. Radio or Phone.

- **Alarm for My POI**
  - **Cursor on Show DIM in Other Source** + **OK** ticks the function that also shows detailed junction maps on half of the display screen when other sources/programs are in use - see page 29.

- **System information**
  - **Cursor on My POI Alert** + **OK** ticks the function that enables a preset warning sound to alert when the car approaches a My POI position - see page 54.
03 Planning your trip

**Settings**

**GPS information**

The screen shows:
- Number of received satellites:
- Received position
- Map matched position
- Altitude:
- The geographic name of the current position.

**Map version**

Map version:
The screen shows:
- Software version:
- Map version:
- Map market:

**Map download status**

Map loading progress
When updating the map database, the progress of the update is shown here. See more information on page 25.

**Import/Edit My POI**

Many companies offer POI files on their Internet pages. Using this function the user can supplement Volvo's map database with facilities from other suppliers.
NOTE

- Adding POI files to the map database requires a certain amount of computer knowledge!
- File format for POI files and how the files are downloaded from the Internet are determined by the respective manufacturer/distributor. Consequently there is no standardised process for downloading the POI files from the Internet - and for this reason this owner’s manual does not show an exact step-by-step description.
- If you have any questions - contact a Volvo dealer.

In order to show the principle for how to download a POI file from the Internet, a simple example follows here with the fictitious company "Department Store" and its stores:

1. Go to the company’s page on the Internet and search for the location with its POI file.
2. Select a POI file with the "gpx" format and download it to the computer - if the format is not available then the POI file must be converted to the gpx format after downloading.
3. Load the POI file "Department Store.gpx" onto a USB memory stick.
4. Then insert the USB memory stick into the car’s USB port (under the tunnel console's armrest/hatch) and locate Settings ➔ Import/Edit MyPOI in the menu system.
5. Select Import + OK and follow the onscreen instructions.

When the import is complete, some settings can be made for the new My POI group "Department Store":
- the name can be changed
- the map image My POI icon can be replaced (if an icon is included in the imported POI file it automatically becomes the default)
- one of 4 sounds can be selected (to get a warning when the car approaches the My POI icon - see page 53)
- choose whether or not the My POI icon is to be shown on the map.

When all selections have been made, select Store + OK to finish, or a new POI group can be imported/edited.

All facilities added are grouped under the heading "My POI".

The map database can be complemented with 100 My POI groups or 50 000 My POI locations in GPX 1.1 format.

In addition to all the variants of POI files that can be downloaded from the Internet, Volvo can offer supplementary files - contact your local Volvo dealer for information on possible options.

Reset navigation settings

This function resets the system to default settings.
03 Planning your trip

**Settings**

The menu option **Settings → Reset navigation settings** + **OK** gives a screen image with the question **Reset all navigation settings?**, Continue with **OK** Cancel with **EXIT** - press **OK** to reset the settings to default settings or undo with **EXIT**.

**Erase all user information**

![Settings image]

The following settings are deleted with **OK**:
- all stored locations
- history for Last 5

**Settings → Delete all user data**

The menu option **Settings → Delete all user data** + **OK** gives a screen image with the question **Do you want to delete all navigation user data?**, Continue with **OK** Cancel with **EXIT** - press **OK** to delete or undo with **EXIT**.

The following settings are deleted with **OK**:
- previous destinations
- route learning
- changed default settings.
Start demo

The journey specified in the itinerary is simulated here.
The system shows how the journey to the itinerary’s specified destination will be carried out.

To exit the demo run:
- The previous menu option Start demo has switched to Stop demo - Select + OK.

NOTE
A destination must be specified for the demonstration to work.
04 Traffic information

## General

### Display and reception
Transmitted traffic information is always received and presented - even if no destinations are given.

How traffic information should be presented can be set and changed in Settings, see page 49.

The presentation of traffic information also depends on how it is transmitted.

### NOTE
Traffic information is not available in all areas/countries.

The transmission range for traffic information is being increased continuously.

### Traffic symbols on the map

**Symbol for traffic message/problems.**

When there is at least one traffic message along the itinerary route, a TMC symbol\(^1\) appears in the map’s upper left-hand corner.

The **scroll function** (see page 30) can be used to scroll through the traffic problem to see its precise position and nature.

**Point on map**
Traffic problems are marked with arrows, lines and frames:

<table>
<thead>
<tr>
<th>Traffic with disruption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic with disruptions in both directions</td>
</tr>
<tr>
<td>Extent</td>
</tr>
</tbody>
</table>

### Marking's colour
Colour of arrows, lines and frames indicates the degree of the disruption:

<table>
<thead>
<tr>
<th>Colour</th>
<th>Type of traffic disruption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Closed road</td>
</tr>
<tr>
<td>Red</td>
<td>Stationary traffic</td>
</tr>
<tr>
<td>Orange</td>
<td>Slow traffic</td>
</tr>
<tr>
<td>Yellow</td>
<td>General information</td>
</tr>
</tbody>
</table>

### Type of traffic disruption
Shown here are examples of map symbols\(^2\) that can mark different disruptions in the traffic:

---

\(^1\) Traffic Message Channel

\(^2\) Map symbols may vary between different markets/states.
Certain traffic messages also contain information on the extent of the traffic obstruction.

On all scales up to 5 km - except the traffic message symbol, a line the same colour as the direction arrow is shown along the affected route. The length of the line is corresponds to the extent (distance) of the traffic problem.

**Size of area for traffic information**

The scale of the map determines how great a quantity of traffic information can be shown - the larger the map area shown on the screen, the more information can be displayed.
Examples of, with arrows, selected traffic problems and their extent.

When the crosshair is placed over a traffic problem (indicated by an arrow along the road) you'll see a flashing frame with a traffic disruption symbol (e.g. slippery road) on the map.

To take advantage of the symbol's traffic information:

- Press OK and select Traffic information + OK.

1. Scroll the crosshair to the traffic incident (coloured line/arrow parallel to the affected road section) about which information is required - a road sign with frame starts to flash out on the map.

2. Press OK - Following which, information like this is shown:

Detailed information on the traffic problem is linked to the symbol, and to the extent that...
information is available the following is also displayed:

- duration
- restrictions on speed, vehicle width and height
- roads affected.

If there are several traffic problems in the crosshair frame, then the problem closest to the centre of the crosshair is shown first after a pressing OK once.

The upper section of the display screen can show e.g. "2/5" which means that the current information is number 2 of a total of 5 messages in the crosshair - the remaining messages can be scrolled to using short presses on OK.

- Return to map display with EXIT.
04 Traffic information

Handling traffic problems

To avoid traffic problems

Traffic problems ahead

This is the same menu bar as in the previous section, but with an activated itinerary - the menu bar now instead reads Traffic events along route. Here the system can be made to guide past the traffic disruption using a different route.

Press OK on the selected menu bar to list the traffic problems along the route:

Traffic events along route

The system then calculates a route that leads past the ticked traffic disruptions.

To obtain detailed information about a listed traffic problem:

- Select/highlight a traffic problem + # INFO - information about the traffic problem is shown.

Avoided traffic problems

Avoided traffic events

Ticked traffic problems from the previous section are listed here.

Menu bar 2 without itinerary added.

Traffic events ahead

Press OK on Traffic events ahead to list the current traffic problems.

Menu bar 2 with itinerary added.

Traffic problems along the route

List with 1 disruption on the itinerary’s route.

The driver can avoid traffic problems by allowing the system to determine a different route. Proceed as follows:

1. Select/highlight the traffic obstacle to be avoided + OK - the traffic problem is ticked.

2. If several obstacles need to be avoided - tick these too. A maximum of 15 can be selected.

3. Then select Calculate new route + OK.
List with 1 editable traffic problem.

The following can be performed:

- **Clear all** - unticks all traffic problems.
- **Select/highlight one of the traffic problems + OK** - the traffic problem is unticked.
- **Select/highlight one of the traffic problems + # INFO** - detailed information with map image is shown on the display screen, see example on next page:

Detailed information - return to the menu using **EXIT**.

- Return to map display with **EXIT** or select **Calculate new route + OK** - the itinerary is adjusted with regard to the changes made.
SYMBOLS ON THE MAP
### 05 Symbols on the map

#### Facilities

Specify which facilities are to be shown on the map or select All or None are to be shown - see page 52.

Pre-ticked facilities are shown on the map.

![Show selected POIs](image)

**Settings ➔ Map options ➔ Facility on map ➔ Selected**

Proceed as follows:

- Select/mark facility with the TUNE knob - tick/untick using OK and close with EXIT.

To avoid making the map image difficult to read, the number of facilities that can be viewed simultaneously on the screen is limited - zooming into an area provides an opportunity to view several facilities.

#### NOTE

- The symbol for a facility and the number of facilities may vary between different countries.
- New symbols may appear and others disappear in conjunction with updating the map data - one can scroll through all the POI symbols for the relevant map system under Settings in the menu system.

Shown here are examples of symbols for different facilities - they are grouped here according to their function in society:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Petrol station" /></td>
<td>Petrol station</td>
</tr>
<tr>
<td><img src="image" alt="Petrol station with CNG (biogas)" /></td>
<td>Petrol station with CNG (biogas)</td>
</tr>
<tr>
<td><img src="image" alt="Petrol station with LPG" /></td>
<td>Petrol station with LPG</td>
</tr>
<tr>
<td><img src="image" alt="Car wash" /></td>
<td>Car wash</td>
</tr>
<tr>
<td><img src="image" alt="Car workshop" /></td>
<td>Car workshop</td>
</tr>
<tr>
<td><img src="image" alt="Car hire" /></td>
<td>Car hire</td>
</tr>
<tr>
<td><img src="image" alt="Motorsport facility" /></td>
<td>Motorsport facility</td>
</tr>
<tr>
<td><img src="image" alt="Volvo dealer" /></td>
<td>Volvo dealer</td>
</tr>
<tr>
<td><img src="image" alt="Parking" /></td>
<td>Parking</td>
</tr>
<tr>
<td><img src="image" alt="Parking garage" /></td>
<td>Parking garage</td>
</tr>
<tr>
<td><img src="image" alt="Parking, large vehicles" /></td>
<td>Parking, large vehicles</td>
</tr>
<tr>
<td><img src="image" alt="Tourist information" /></td>
<td>Tourist information</td>
</tr>
<tr>
<td><img src="image" alt="Historical monument" /></td>
<td>Historical monument</td>
</tr>
<tr>
<td><img src="image" alt="Tourist attraction" /></td>
<td>Tourist attraction</td>
</tr>
<tr>
<td><img src="image" alt="Ice skating" /></td>
<td>Ice skating</td>
</tr>
<tr>
<td><img src="image" alt="Sport facility" /></td>
<td>Sport facility</td>
</tr>
<tr>
<td><img src="image" alt="Exercise facility" /></td>
<td>Exercise facility</td>
</tr>
<tr>
<td><img src="image" alt="Ski facility" /></td>
<td>Ski facility</td>
</tr>
<tr>
<td><img src="image" alt="Cinema" /></td>
<td>Cinema</td>
</tr>
<tr>
<td><img src="image" alt="Amusement park" /></td>
<td>Amusement park</td>
</tr>
</tbody>
</table>
### 05 Symbols on the map

#### Facilities

<table>
<thead>
<tr>
<th>Animal park</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opera</td>
</tr>
<tr>
<td>Theatre</td>
</tr>
<tr>
<td>Bar</td>
</tr>
<tr>
<td>Nightclub</td>
</tr>
<tr>
<td>Restaurant</td>
</tr>
<tr>
<td>Restaurant, Chinese</td>
</tr>
<tr>
<td>Restaurant, seafood</td>
</tr>
<tr>
<td>Fastfood</td>
</tr>
<tr>
<td>Coffee shop</td>
</tr>
<tr>
<td>Shopping Centre</td>
</tr>
<tr>
<td>Dry cleaners</td>
</tr>
<tr>
<td>Kiosk</td>
</tr>
<tr>
<td>Hairdresser</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rest area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camp site</td>
</tr>
<tr>
<td>Hotel</td>
</tr>
<tr>
<td>Conference facility</td>
</tr>
<tr>
<td>Exhibition grounds</td>
</tr>
<tr>
<td>Train station</td>
</tr>
<tr>
<td>Commuter railway station</td>
</tr>
<tr>
<td>Airport</td>
</tr>
<tr>
<td>Bus station</td>
</tr>
<tr>
<td>Ferry</td>
</tr>
<tr>
<td>Marina</td>
</tr>
<tr>
<td>Marina</td>
</tr>
<tr>
<td>Civic building</td>
</tr>
<tr>
<td>Authority</td>
</tr>
<tr>
<td>University</td>
</tr>
<tr>
<td>University</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City centre</th>
</tr>
</thead>
<tbody>
<tr>
<td>City centre</td>
</tr>
<tr>
<td>Police station</td>
</tr>
<tr>
<td>Fire station</td>
</tr>
<tr>
<td>Library</td>
</tr>
<tr>
<td>Hospital</td>
</tr>
<tr>
<td>Pharmacy</td>
</tr>
<tr>
<td>Bank</td>
</tr>
<tr>
<td>ATM</td>
</tr>
<tr>
<td>Post office</td>
</tr>
<tr>
<td>Kindergatan</td>
</tr>
<tr>
<td>School</td>
</tr>
</tbody>
</table>
The position of the car on the map is wrong
The Navigation system shows the position of the car to an accuracy of about 20 metres.

There is a greater chance of error when driving on roads lying parallel to another road, on winding roads, on roads on several levels and after driving a long distance without making any distinctive turns.

High mountains, buildings, tunnels, viaducts, over/underpasses etc. also have a negative affect on the reception of GPS signals, which means that accuracy in calculating the position of the car may decrease.

The system does not always calculate the fastest/shortest route
When calculating a route outline, distance, width of road, type of road, number of right or left turns, roundabouts etc. are all taken into account in order to produce the best theoretical route. A more efficient selection of route may be possible based on experience and knowledge of the area.

The system uses toll roads, motorways and ferries even though I chose to avoid them
For technical reasons, the system can only use major roads when calculating a route outline extending over a long distance.

If you selected to avoid toll roads and motorways, then they are avoided to the greatest possible extent and are only used if there is no other reasonable alternative available.

The position of the car on the map is incorrect after transportation
If the car is transported, for example by ferry or train, or in such a way as to impede the reception of GPS signals, it can take up to 5 minutes before the position of the car is correctly calculated.

The position of the car on the map is incorrect after the car battery has been disconnected
If power has been cut from the GPS antenna, it can take more than 5 minutes for the GPS signals to be received correctly and the position of the car to be calculated.

The car symbol on screen behaves erratically after a tyre change
In addition to the GPS receiver, the car's speed sensor and a gyro assist in calculating the current position and direction of travel of the car. After fitting the spare wheel or changing between summer and winter tyres the system needs to "learn" the size of the new wheels.

In order for the system to work optimally it is recommended to turn the steering wheel to full lock a few times while driving, in a suitable location.

The map image does not correspond with the real situation
Factors such as the constant expansion and rebuilding of the road network, new traffic regulations constantly being introduced etc. mean that the map database is not always complete.

Continuous development and updating of map data is underway - a Volvo dealer can provide more information.

See also www.volvocars.com/navi for further information on maps etc.

The scale of the map sometimes changes
There is no detailed map information in certain areas. The system then automatically changes the degree of magnification.

The expected menu option is missing
Check the settings that have been made. Select Reset navigation settings to restore the original settings.

If this does not help, select Delete all user data.
The car symbol on screen jumps forwards or spins
The system may need a few seconds to sense the position and movement of the car before driving off.

Switch off both the system and the engine. Start again, but remain stationary for a while before starting to drive.

I shall go on a long trip but do not want specify a particular route outline to the cities I plan to travel through - How do I most simply create an itinerary?
Specify the destination directly on the map using the hairline cross. The system automatically guides you to the final destination even though you are driving beside the intermediate destinations.

My map information is not up-to-date
Contact your nearest Volvo Dealer regarding the updating of map data.

See also www.volvocars.com/navi

How can I easily check which map version is used?
See Settings ➔ System information ➔ Map version: for information on version and geographic area covered.
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Hereby, DENSO CORPORATION declares that this DN-NS-020 is in com- pliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
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