

TS 1492-A-97

Vauxhall NAVIGATION SYSTEM

Operation and Programming



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Registration

To ensure you receive regular information about available map CDs and map updates, complete the registration card supplied with the system and send it to the address shown.

General Information

Attention!

- Watching the road is more important than watching the screen!
- Pay attention to local traffic regulations.
- If guidance advice from the navigation system contradicts the current traffic situation, traffic regulations always have priority.
- Only enter data before driving off or when the car is not moving.
- To avoid faulty operation or interference of the system, do not cover the system aerial, which is located on the top left of the dashboard.

The Vauxhall Navigation System

The Vauxhall Navigation System's automatic route planning and guidance allows you to concentrate on driving in today's growing traffic - especially in congested areas.

Planning with a road atlas or street map is no longer required - simply enter the destination before departing, activate the GUIDANCE function and the Vauxhall Navigation System does the rest.

The system offers guidance in both an audible and visual way. The vehicle's location is constantly calculated via satellite by a GPS (Global Positioning System) receiver, a gyro sensor (acceleration probe) and the speedometer signal. The system constantly compares this location with a digitized road map on a CD-ROM.

A single control and a simple menu structure facilitates system use.

Note:

- After transporting the vehicle by train or ferry, the system may need a few minutes for exact repositioning.
- If the car battery is disconnected, the system may need up to 15 minutes for exact repositioning. The car has to be situated outdoors and the system switched on to receive data from the GPS satellites.
- The system is fully operational even without valid GPS data, but the accuracy of positioning may decrease.

Controls

Multi-functional control

The system is operated by a single control which is situated:

- near the navigation display (Vectra).
- in the middle console near the gear shift lever (Omega).

The control has the following functions:



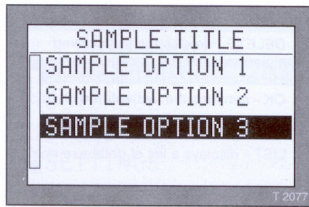
Turn: To move the cursor to select options and characters.



Press: To confirm a selection.

Display

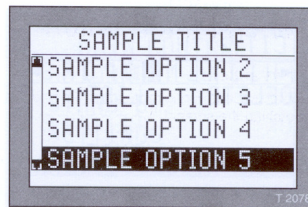
The system has an illuminated display.



Cursor

The cursor appears on the screen as a negative field (white characters on black background) or as an icon. Only options in highlighted letters are selectable.

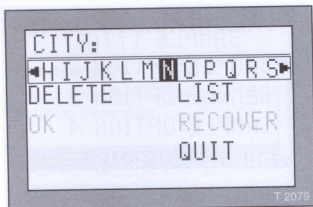
- Turn the control to place the cursor on the desired menu option.
- Press the control to enter the selection - the cursor is briefly displayed as a frame around the selected option.



Scroll bars

When a menu has more than four options, a scroll bar with black arrows is displayed at the left margin of the screen.

The menu options will continue to scroll as long as the control is turned.



Character input ('typewriter')

Character sequences are entered by selecting characters from a list using the control. This kind of input is called 'typewriter'.

To select, turn the control to place the cursor on the desired character. Press the control to enter the character;

- characters which are not available are skipped automatically.

There are different country-specific characters depending on the language selected, i.e. if GERMAN is selected, characters Ä, Ö and U are available.

The following options are available:

- DELETE - deletes the last entered character.
- OK - confirms the last entered character sequence.
- LIST - displays a list of database entries.
- RECOVER - deletes the entered characters and restores the name entered previously.
- QUIT - quits current menu and returns to the previous menu.

Switching on/off

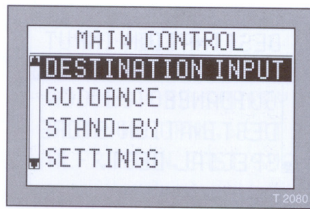
The system is switched on and off with the ignition.

Initially the legal disclaimer is shown:

ATTENTION!
ALWAYS OBSERVE
ROADWAY SIGNS AND
SIGNALS.

Confirm by pressing the control - the MAIN CONTROL menu appears.

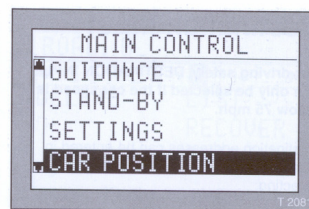
Main Control Menu



The following options appear:

- DESTINATION INPUT - to enter the destination address.
▶ see page 6.
- GUIDANCE - to activate the guidance function (only if a destination address is entered).

In addition, information regarding remaining travel distance and travel time, current car position and alternative route planning is accessible.
▶ see page 12.



- STAND-BY - switches off the display screen and the audible advice (the navigation functions of the system remain active).
Press or turn the control to return to normal operation.

Note:

If the ignition is switched off when the system is in stand-by mode, it restarts in stand-by when the ignition is switched on again.

- SETTINGS - to select your preferred system settings.
▶ see page 20.
- CAR POSITION - to enter the car's position if the system is no longer able to determine the car's position.
▶ see page 19.

Destination Input

For driving safety, DESTINATION INPUT can only be selected if the car speed is below 75 mph.

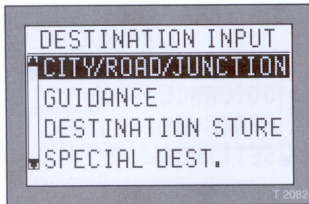
Destination addresses can be entered in different ways. Choose your destination by selecting:

- city, road and junction letter-by-letter with the 'typewriter'.
- an address from the personal address book.
- a special facility (e.g. hotel, petrol station, railway station) from the database stored on the map CD.
- one of the 10 destination addresses last used.

Note:

If more than one country is on the map CD currently inserted, first specify a destination country.

Select DESTINATION INPUT from the main control menu.



The following options appear:

- CITY/ROAD/JUNCTION - to enter the city name, the road name and the junction of the destination address.
▶ see page 7.
- GUIDANCE - for the navigation system to plan a route, activate the guidance function and enter the guidance screen.

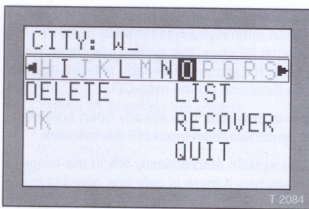
It also gives access to information screens and to alternative route planning.

▶ see page 12.

- DESTINATION STORE - to store destination addresses in a personal address book or to recall the last used destination addresses.
▶ see page 18.

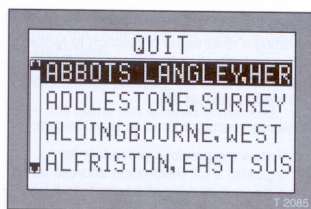


- SPECIAL DEST. - to show a list of facilities of general interest (airports, hotels, restaurants, petrol stations, etc.).
▶ see page 10.
- DELETE DESTINATION - to delete the last entered destination address.
- RETURN - to return to the main control menu.



Inputting a full address

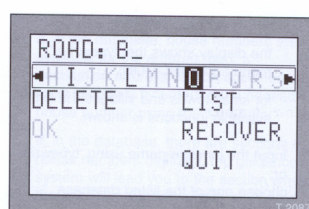
1. Select CITY/ROAD/JUNC;
 - the display shows the 'typewriter' menu and CITY:
2. Select the destination city or town by either;
 - entering the name with the 'typewriter' and confirm with OK,



or;
selecting LIST to display the database entries of cities and towns, then select an entry from the list.

Note:

- If more than one entry with the same name is stored in the database, the cursor is automatically placed on LIST. In this case, select the desired entry from the list.
- If there is a large number of possible entries, it can take a few seconds until the list is displayed.



3. Confirm the city selection with OK;
 - the display shows the 'typewriter' menu and ROAD:
 - for small towns and villages the list of available roads is shown.
4. Enter the road name using 'typewriter', or;
 - choose one of the listed database entries.

5. Confirm the road selection with OK;
 - the display shows the 'typewriter' menu and JUNCTION:
 - for small towns and villages the list of available junctions is shown.
6. Input the junction name using 'typewriter' or;
choose one of the listed database entries.
7. Confirm the junction selection.
8. Select GUIDANCE;
 - the system plans a route within a few seconds and the guidance screen is displayed.

You will hear "You have arrived" upon reaching the specified destination.

Entering a partial address

Inputting a road name or junction to further define a destination is optional - all that is required for the system to function is a destination town or city.

If the road name or junction is not known:

- Follow the previous procedure for inputting a full destination address up to either 'junction input' (steps 1. to 5.) or 'road input' (steps 1. to 3.).
- At the appropriate point, select QUIT from the input menu or the list.
- Select GUIDANCE.

Note:

To activate GUIDANCE, at least a city name must be entered.

You will hear "You have arrived" upon reaching the specified road or upon reaching the boundary of the specified city.

Database characteristics

When entering names for a city, road or special facilities, the system compares the character sequence already entered against the database on the map CD.

If one character has already been entered, only certain letters can still be selected.

The system automatically fills in the missing characters if there is only one possible entry left.

Example:

If the sequence 'LON' is inputted when specifying the city name, only 'D' or 'G' can then be selected.

If 'D' is selected, the system automatically completes the sequence to 'LONDON' and places the cursor on OK.

Delete invalid entry

If an incorrect character was entered:

- Turn the control until the cursor is over DELETE.
- Confirm by pressing the control;
 - the character last entered is deleted.

Note:

If characters were added automatically when entering the last character, all these characters are erased when deleting the last entered character.

Restoring the previous input

- Turn the control until the cursor is over RECOVER.
- Confirm by pressing the control;
 - the name last entered is restored.

Note:

- If, in the database, house numbers are available for the entered road, a destination address can be specified more precisely by entering the desired house number using the 'typewriter'.

If, in the database, there are sections of house numbers digitized, the guidance system will lead you to the section where the specified house number is situated.

- If the name of a city, road or special destination is not unique in the database, the system shows a list of all entries with this name, each of which is distinguished by additional information.

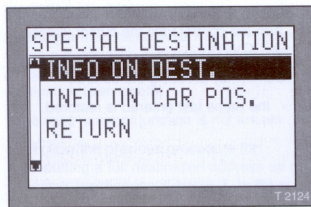
e.g. if the entered road name exists several times in the specified city, all areas where these roads exist are listed.

Special destinations

A destination can also be specified by selecting a special facility from a list stored in the database, e.g.:

- airports,
- hotels,
- petrol stations,
- garages,
- car parks, etc.

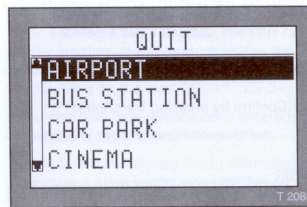
Depending on which information has already been entered in 'Destination Input', a list of general interest facilities is displayed.



Special destinations related to the destination address

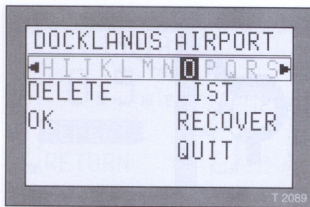
1. Select the destination city or town in the destination input menu.
2. Select SPECIAL DEST. from the destination input menu.
3. Select INFO ON DEST.;

 - a list of categories specifying the special facilities is presented.
 - for small towns and villages usually only the option CITY CENTRE is available which will, if chosen, guide you to the centre of the town or village.



4. Select the desired category (e.g. HOTEL, PETROL STATION);

 - if up to 5 facilities are stored, the list is shown immediately.
 - if five or more facilities are available in the database, the 'typewriter' menu is shown.



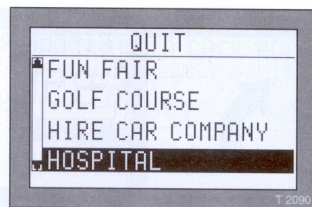
5. Enter the name of the desired facility or select LIST.

6. Confirm the input with OK or select the desired facility from the list.

7. Select GUIDANCE;

- the system plans a route within a few seconds and the guidance screen is displayed.

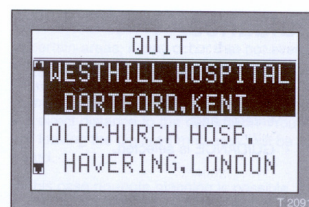
You will hear "You have arrived" when reaching the specified facility.



National facilities

A destination city or town is not required when inputting a national facility destination.

1. If required, delete the current destination name from the destination input menu.
2. Select SPECIAL DEST. from the destination input menu.
3. Select INFO ON DEST.;
 - categories specifying national facilities are listed (e.g. AIRPORT, FERRY).
4. Continue with operations 4. to 7. on page 10.



Facilities in vicinity of the car position

A facility in the vicinity of the current car position can be specified as a destination.

1. Select SPECIAL DEST. from the destination input menu.
2. Select INFO ON CAR POS.;
 - special facilities situated around the current car position are listed.
3. Continue with operations 4. to 7. on page 10.

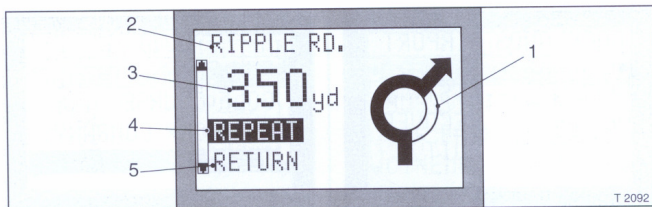
Note:

A list of INFO ON CAR POS. is always shown, even if a facility of the chosen category is not located directly at the car position. The displayed facilities are listed in order of distance from the car position, the nearest facility being placed at the top.

Guidance

The guidance screen appears as soon as:

- a destination address has been entered and;
- GUIDANCE is selected.



Guidance screen

The guidance screen shows the following information:

- 1 Visual guidance advice - diagram of the next junction or turn. Direction changes are also announced audibly.
- 2 Turn into street - road you have to turn into next.
- 3 Distance to the next direction change¹⁾.
- 4 Repeat the current audible advice.
- 5 Return to the main menu.

¹⁾ Measuring units depend on 'Settings', see page 20.

Audible messages

'Guidance' consists of audible advice as well as diagrams.

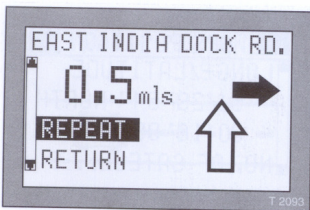
Audible guidance usually consist of two voice messages (see also 'Example');

- preliminary advice and;
- turning advice.

To repeat an audible message

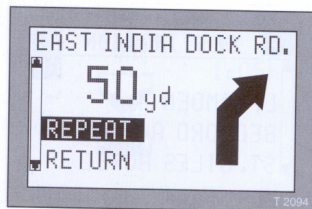
If an audible message was missed or wasn't understood, move the cursor to REPEAT and press the control;

- the message is repeated.



Example: You are approx. ½ mile away from a junction where you have to turn right. The advice "Right turn ahead" is given.

A preliminary advice diagram is shown with the driving direction and '0.5 mls' as the distance to the turning point.



Approx. 50 yards away from the junction you hear "In 50 yards turn right" and the diagram changes to a simplified plotting of the junction.

Note:

If the last guidance advice was not followed or if it was not possible to follow it due to traffic conditions (roadworks, etc.), the system automatically plans a new route within a few seconds.

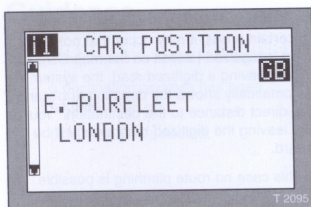
Guidance in partly digitized areas

In certain areas, it may occur that not every road is digitized (stored on the map CD). When leaving a digitized road, the system automatically shows the direction arrow and the direct distance to the destination. "You are leaving the digitized map area" will be heard.

In this case no route planning is possible.

Drive in the direction of the displayed direction arrow to a digitized road.

As soon as a digitized road is reached, the system automatically switches back to 'Guidance' and plans a new route.



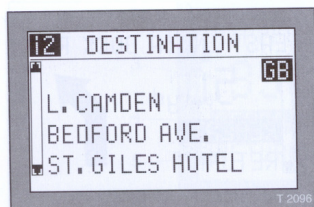
Information screens

During guidance, there is access to six information screens and also to alternative route planning.

By turning the control clockwise, information screens **i1**, **i2**, **i3**, **i4**, **i5** and **i6** and the ALTERNATIVE ROUTE menu* are displayed in sequence, returning to the guidance screen.

- Pressing the control returns any of the information screens back to the guidance screen.
- Turning the control counter-clockwise, displays the information screens in reverse order.

* Only when a route has been planned.

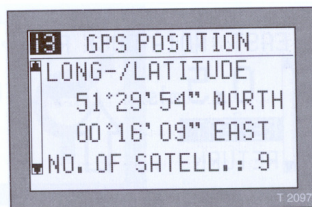


The following information screens are available:

i1 CAR POSITION - shows the current car position with country code, city and road.

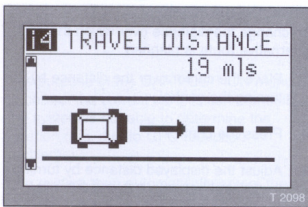
i2 DESTINATION - shows the current destination address with name*, country code, city, road* and junction*.

* Only if specified.



i3 GPS POSITION - shows the calculated geographical position received by the Global Positioning System and the number of received satellites.

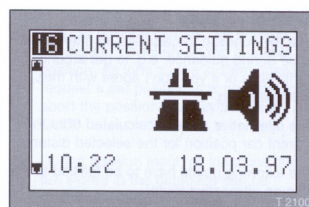
If the number of received satellites is less than three, ensure the car is located outdoors and the GPS aerial is not covered.



i4 TRAVEL DISTANCE - shows the remaining travel distance to the destination address.







i5 TRAVEL TIME - shows the remaining travel time until arrival at the destination address.



i6 CURRENT SETTINGS - shows the current system settings.

1. Selected route planning criteria:

- USE HIGHWAYS 
- USE NO HIGHWAYS 
- OPTIMIZE TIME 
- OPTIMIZE DISTANCE 

2. Audible messages:

- ON 
- OFF 

3. Time and date.

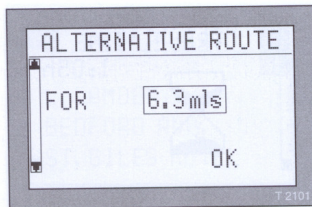
Alternative route

Use this function to calculate an alternative route during guidance, e.g. to get around traffic jams or if you don't agree with the route planning.

The alternative route is calculated from the current car position for the selected distance.

The following points have to be fulfilled to plan an alternative route:

- a destination address has to be entered,
- a route has to be planned by the system,
- the system has to be in 'Guidance' mode.



1. Turn the control until the ALTERNATIVE ROUTE menu is shown.
2. If you agree with the displayed distance, simply press the control;
 - the system plans an alternative route for the displayed distance.
 - the guidance screen appears.

Abort alternative route planning

Turn the control until the desired information screen or the 'Guidance' screen is shown.

Changing the distance

To change the distance over which the alternative route is planned:

1. Place the cursor over the distance by turning the control.
2. Press the control.
3. Adjust the displayed distance by turning the control between 0.6 and 6.3 miles.
4. Press the control again;
 - the cursor is placed on OK.
5. Confirm by pressing the control;
 - the system plans an alternative route for the displayed distance.
 - the 'Guidance' screen appears.

Car Position Input

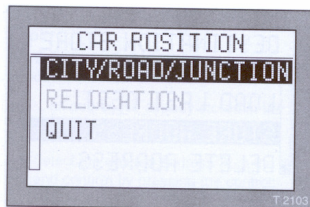
The purpose of the CAR POSITION menu is to correct the current car position manually if the system is not able to determine the location (e.g. due to GPS reception problems).

The system then automatically enters the car position menu and the message "Relocation needed" will be heard.

The QUIT option can no longer be selected. Either wait until the system relocates automatically (when sufficient GPS data is again received), or input the relocation data manually.

For driving safety, the CAR POSITION option can only be selected if the car speed does not exceed 75 mph.

1. Select CAR POSITION from the main control menu and confirm the selection.



2. Enter the relocation address (city, road and junction) the same way as described on pages 7 and 8;

- as soon as a valid address has been entered, the cursor is automatically placed on RELOCATION.

3. Confirm the selection by pressing the control;

- the system requests you to pass the entered relocation junction.

4. Press the control when you reach the centre of the junction;

- the system is now relocated.

Note:

- The car position can also be entered if the system obviously shows a wrong position. As long as the system does not request a car position, it is possible to abort the position input by selecting QUIT.

- During position input, all junctions that are stored in the database can be entered by using "typewriter", however, not all these junctions are suitable for relocation. If the entered junction is not suitable, it is deleted automatically after confirming with OK. The list of junctions for relocation therefore differs from the list of junctions in the destination input menu.

- Special locations (facilities) from INFO ON DEST. or INFO ON CAR POS. cannot be used as a relocation address.

TIP: To enter the relocation address directly, select LIST without first entering a character.

The list of suitable relocation addresses is then shown.

Destination Store

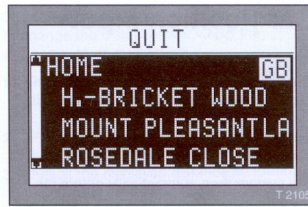
At least 30 destination addresses can be stored in a personal address book which is useful for frequently used addresses.

- Select DESTINATION STORE from the destination input menu.



The following menu options are available:

- **LOAD ADDRESS** - to recall a destination address previously stored in the personal address book.
- **LOAD LAST DEST.** - to reload one of the 10 destinations last used for guidance in the destination input menu.
- **STORE ADDRESS** - to store the current destination address in the address book and to enter any name for the destination address consisting of up to 10 characters (optional).
- **DELETE ADDRESS** - to delete an entry from the address book.
- **DELETE LAST DEST.** - to delete the destination address last entered.
- **RETURN** - to leave the destination store menu.



Contents of an address book entry

The following data can be stored in an address book entry:

- **NAME:** A destination name*.
 - **CITY:** The destination city or town.
 - **ROAD:** The destination road*.
 - **JUNCTION:** The destination junction* (to define the destination), or;
 - A special facility from **INFO ON DEST.** or **INFO ON CAR POS.** lists*.
- * optional input.

Storing an address in the personal address book

If a destination address has not yet been entered:

1. Enter the data (city, road, junction or special facility) of the desired address in the destination input menu.
2. Select DESTINATION STORE from the destination input menu.
3. Select STORE ADDRESS;
 - the 'typewriter' menu and NAME: is displayed.
4. A name for the destination address may be entered if preferred. Enter any name up to 10 characters. Confirm the entry by selecting OK.

If a name for the destination address is not required, simply select OK without entering any characters;

- the address is stored in the address book.

Loading an address from the address book

1. Select LOAD ADDRESS from the destination store menu;
 - all addresses already stored in the address book are listed.
2. Select the desired address from the list and confirm by pressing the control;
 - the selected address is registered as the new destination address.

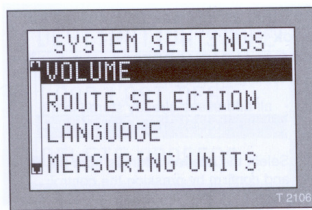
Note:

- At least 30 entries may be stored in the personal address book. This number can increase up to 100, depending on the kind of information stored (with or without name, etc.).
- If no address is stored in the address book, the LOAD ADDRESS and DELETE ADDRESS options cannot be selected.
- If the memory is full, the STORE ADDRESS option can no longer be selected.

System Settings

To adjust the navigation system to suit personal preferences by modifying several settings.

- Select **SETTINGS** from the main control menu.



The following options are available:

- **VOLUME** - to activate/deactivate audible advice and to adjust volume.
▶ see page 21.
- **ROUTE SELECTION** - to select the criteria that influence the route planning.
▶ see page 21.
- **LANGUAGE** - to load languages for audible advice and menu text from a separate language CD.
▶ see page 22.
- **MEASURING UNITS** - to select the units for distance display.
▶ see page 22.
- **DATE/CLOCK** - to set the format of date and time display and to adjust the time zone.
▶ see page 22.
- **SDVC MODE** - to adjust the Speed Dependent Volume Control.
▶ see page 23.
- **SYSTEM INFORMATION** - to obtain information on the system's hardware and software (in case of service).
- **SERVICE** - code protected menu for analysing hardware and software problems.
⚠ This menu should only be entered by a Vauxhall Dealership or an authorized service centre.
- **DEFAULT SETTINGS** - to reset all user-specific settings to their factory default.
- **RETURN** - to return to the main menu.



Volume

- Select VOLUME;
 - a volume slider with the current volume setting is shown.

Volume adjustment





- Select the slider.
- Adjust the volume by turning the control;
 - the volume setting is announced ("louder" or "softer").
- Press the control to store this setting.

Switching on/off

- Turn the control until the option behind ON: is highlighted.
- Press the control.
- Select MODE:
 - ON: Voice on 
 - OFF: Voice off 
- Press the control to store this selection.

This speaker icon is shown on information screen **i6** (CURRENT SETTINGS).

Route selection

- Select ROUTE SELECTION;
 - the cursor is placed on the item currently selected.
- Select preference:
 - ALONG MAIN ROADS 
 - NO MAIN ROADS 
 - OPTIMIZE TIME 
 - OPTIMIZE DISTANCE 

These icons are shown on information screen **i6** (CURRENT SETTINGS).

Language

- Select LANGUAGE;
 - a prompt appears to insert the language CD.
- Insert a Vauxhall language CD (available from a Vauxhall Dealership) into the navigation computer.
- Follow the instructions given by the system to load other languages.

Measuring units

- Select MEASURING UNITS;
 - the cursor is placed on the measuring unit currently selected.
- Select between the following units:
 - METRIC: in km and metres.
 - ANGLO: in miles and yards.
 - AMERICAN: in miles and feet.

Date/Clock

- Select DATE/CLOCK;
 - the current time zone (offset) and the date and time are shown.

Time zone

The system receives the Universal Time Coordinated (UTC) via satellite.

To adjust the difference between local time and UTC:

- Select the value next to TIMEZONE.
- Turn the control to adjust the time offset.
- Press the control to store the setting;
 - the displayed time is updated.

Time format

- Select the CLOCK value.
 - Turn the control to change between 12 or 24 hour format.
 - Press the control to store the format.

Date format

- Select the DATE value.
 - Change between 'day.month.year' or 'month/day/year' format.
 - Press the control to store the format.

SDVC mode

The SDVC, Speed Dependent Volume Control, compensates for road noise by increasing the volume of audible messages depending on the car speed.

Five different SDVC settings between OFF and four can be selected:

- Select SDVC MODE;
 - the current SDVC mode is shown.
- Select the MODE value.
- Choose the SDVC level (OFF or 1 to 4).
- Press the control to store the selection.

Find a suitable level by trying out different settings.

Cleaning

Only use a damp cloth for cleaning the system display and control.

Do not use lighter fluid, methyl alcohol or other solvents.

Map CDs

The navigation computer, located in the glovebox, operates via a map database stored on a CD-ROM.

The latest update of this map CD should be used.

Ensure all available map CDs and map update information is regularly received by completing the registration card supplied with the system.


For pricing and ordering details on map CDs of other countries and areas, call one of the following hotline numbers:

Austria:	0660 7378
Belgium (Flemish):	0800 71186
Belgium (French):	0800 71185
France:	0800 916089
Germany:	0130 823 532
Italy:	1678 729 10
Luxembourg (German):	0800 2013
Luxembourg (French):	0800 2010
The Netherlands:	06 022 7248
Switzerland:	155 72 59
United Kingdom:	0800 973180

All other countries:	+353 1706 3880
Fax:	+353 1295 7530



Changing the map CD


- Press the  key at the navigation computer once if the red power LED is on (normally when the ignition is switched on), or twice if it is not;
 - the CD is ejected.
- Remove the CD and store it in its case.
- Gently insert the new CD, label uppermost, until it is retracted;
 - the system needs a few seconds for initialisation after changing the CD.

Note:

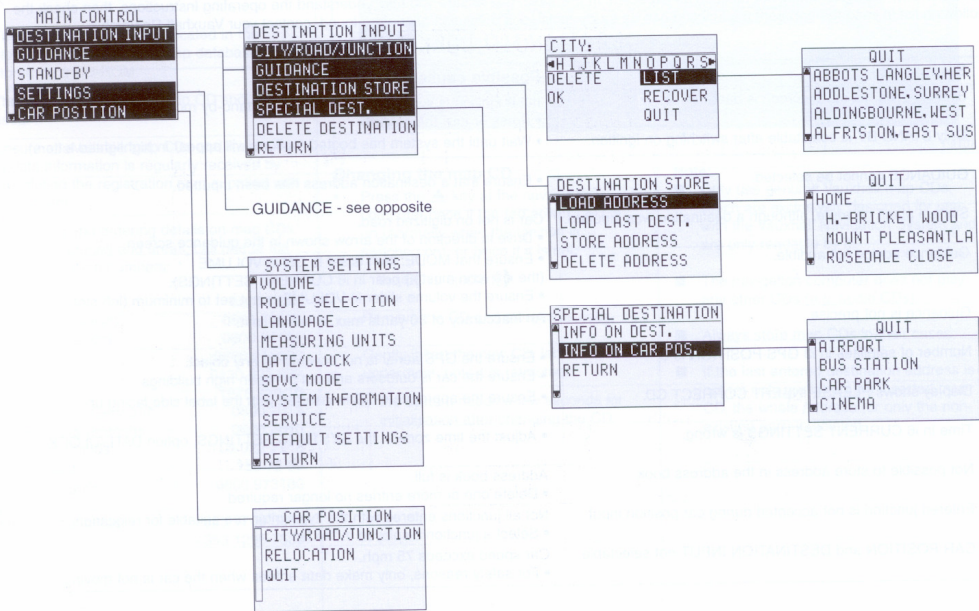
- Only use genuine Vauxhall map CDs, which are exclusively designed for use with the Vauxhall Navigation System and are only readable by it.
- The navigation computer does not play any other CDs (e.g. audio CDs).
- Always store map CDs in their cases.
- If the last entered destination address is not (or only partly) on the inserted map CD, the whole address (or only the non-existing part) is deleted.

Troubleshooting

Occasionally, the system may not function as expected. In this case, first ensure you fully understand the operating instructions, then check the following list in case the apparent malfunction can be easily rectified. If a solution cannot be found, contact your Vauxhall Dealership.

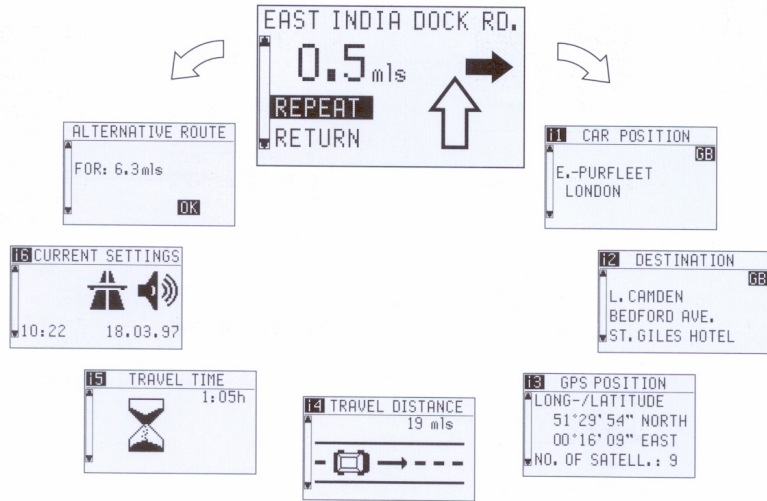
Symptoms	Possible cause/Remedy
System does not start, screen is dark.	If the ignition is switched on, system is in stand-by mode. • Press or turn the control.
Only STAND-BY is selectable after switching on ignition.	• Wait until the system has booted (options will appear in highlighted letters).
GUIDANCE cannot be selected.	• Ensure that a destination address has been inputted.
System plans no route, although a destination was inputted.	Car is not on digitized road. • Drive in direction of the arrow shown in the guidance screen.
Guidance advice not audible.	• Ensure that MODE: item is set to ON in VOLUME (the  icon must appear in i6 CURRENT SETTINGS). • Ensure the volume slider in VOLUME is not set to minimum (left stop).
Guidance is not precise.	An inaccuracy of 30 yards max. is within limit.
Number of satellites in i3 GPS POSITION is 0.	• Ensure the GPS aerial is not covered by any object. • Ensure the car is outdoors and not between high buildings.
Display shows PLEASE INSERT CORRECT CD.	• Ensure the appropriate CD is inserted with the label side facing up.
Time in i6 CURRENT SETTINGS is wrong.	• Adjust the time zone in the SYSTEMS SETTINGS, option DATE/CLOCK.
Not possible to store address in the address book.	Address book is full. • Delete one or more entries no longer required.
Entered junction is not accepted during car position input.	Not all junctions entered with the 'typewriter' are suitable for relocation. • Select a junction displayed in the list.
CAR POSITION and DESTINATION INPUT not selectable.	Car speed exceeds 75 mph. • For safety reasons, only make data entries when the car is not moving.

Menu Overview



T 2108

Guidance



T 2360

TS 1492-A-97

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