



# V90

*CROSS COUNTRY*

QUICK GUIDE

# VÄLKOMMEN!

This Quick Guide describes a selection of the features and functions in your Volvo. More detailed information is available in the vehicle's center display, in an app and on the Internet.



## THE CENTER DISPLAY

The owner's manual is available in the center display's Top view.



## MOBILE APP

The owner's manual is available as an app (Volvo Manual), which also contains instructional videos for certain functions.



## VOLVO'S SUPPORT SITE

Go to Volvo Cars' support site ([support.volvocars.com](http://support.volvocars.com)) for manuals and instructional videos. Additional information about your vehicle and owning a Volvo is also available on the support site.



## PRINTED INFORMATION

The glove compartment contains a printed supplement to the owner's manual containing information about fuses and specifications as well as a summary of other important and practical information. A complete printed version of the owner's information (or a new owner's manual supplement) can be ordered through a Volvo retailer.

# CONTENT

## 01. GETTING TO KNOW YOUR VOLVO

This section helps you familiarize yourself with your Volvo and provides overviews of the vehicle's interior, exterior and the center display.

## 02. INTERIOR

This section provides information about adjusting seats, the buttons and levers on the steering wheel, controlling passenger compartment climate, connecting to the Internet, Bluetooth connections, etc.

## 03. CENTER DISPLAY VIEWS

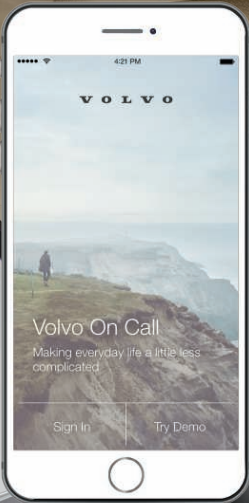
This section contains information about the center display's main views, which are used to control many of the functions in your Volvo.

## 04. SMART DRIVING

This section describes the various functions in the vehicle designed to support the driver as well as tips on how to drive more economically, which also helps reduce environmental impact.

## 05. SUPPLEMENTARY TEXTS

The owner's manual and other owner-related manuals contain safety instructions and all warning, caution and note texts, which must be read. Certain functions may not be available in all markets or on all models.





## GETTING STARTED

The following concepts, functions, and tips are intended to help you familiarize yourself with your Volvo as quickly as possible.

### Volvo ID

A personal Volvo ID can be created and used to access a number of on-line services<sup>1</sup>. These services include Volvo On Call, map services and the opportunity to book service and repairs. A Volvo ID can be created using the Volvo On Call app or can be done directly in your vehicle.

### Sensus

Sensus is your vehicle's intelligent interface and includes all of its solutions relating to entertainment, connecting to the Internet, navigation and the user interface between the driver and the vehicle. Sensus makes communication between you, the vehicle and the digital world around you possible.

### Volvo On Call

Volvo On Call is an integrated assistance system with an app that enables you to control some of your vehicle's functions remotely. The Volvo On Call app enables you to e.g., lock or unlock the vehicle, see where the vehicle is parked, log trip-related information, etc. Download the app to get started.

Volvo On Call also gives you access to emergency roadside assistance and security services by pressing the **ON CALL** and **SOS** buttons on the ceiling console.

### Driver profiles

Many of the vehicle's settings can be adapted to the driver's personal preferences and saved in one or more driver profiles. Each of the remote keys used with the vehicle can be linked to a driver profile.

Activate and edit driver profiles in the center display's Top view under:

**Settings → System → Driver Profiles.**


<sup>1</sup> These services vary and may be subject to change. Consult your Volvo retailer.



## EXTERIOR OVERVIEW

- 1 **Checking the engine oil level and tire pressure** is done from the **Car status** app in the center display's App view. You can also view any status-related messages and book service and repairs here.
- 2 The **door mirrors** can be angled down automatically\* when reverse gear is selected to give the driver a view of the curb, etc. The mirrors can fold in/out automatically when the vehicle is locked/unlocked.
- 3 **Keyless locking/unlocking\*** makes it possible to lock/unlock the vehicle simply by having a remote key in your possession. The remote key must be within approximately 3 feet (1 meter) of the vehicle.

To unlock the vehicle, grasp one of the door handles or press the rubberized button under the tailgate's handle. To lock the vehicle, press one of the indentations on the outside of a door handle. Avoid pressing the inside and outside of a door handle at the same time.





- 4 The **laminated panoramic roof\*** is divided into two sections and the front section can be opened horizontally to the open or closed positions or its rear edge can be raised and lowered to allow ventilation. The laminated panoramic roof and the sun shade are operated using the controls in the ceiling console.
- 5 The **power tailgate\*** can be opened using the control on the tailgate or by moving your foot slowly under the left side of the rear bumper\*. Close and lock the tailgate by pressing the  button on the lower edge of the tailgate or by moving your foot under the rear bumper.

The tailgate's maximum opening angle can be programmed, for example, if the tailgate has to be opened in a garage with a low ceiling.



## LOCKING AND UNLOCKING THE VEHICLE

### Remote key

-  Press to lock the doors/tailgate and arm the alarm.
-  Press to unlock the doors/tailgate and disarm the alarm.
-  Press briefly to unlock the tailgate only (and disarm the alarm for the tailgate). On vehicles equipped with the power tailgate\*, press and hold to open/close the tailgate.
-  Press to trigger the panic alarm to attract attention during emergency situations. **To activate**, press and hold this button for at least 3 seconds or press it twice within 3 seconds to activate the turn signals and horn. **To deactivate**, wait approximately 5 seconds and press the button again (the panic alarm will also deactivate automatically after several minutes).

### Private (valet) locking



The private locking function locks the tailgate, which can be useful when the vehicle is e.g., brought to a workshop for service. The glove compartment can be locked manually with the key provided.

In the center display's Function view, tap **Private locking** to activate/deactivate the function.

A pop-up window will appear showing the function's status. A 4-digit code has to be selected each time the function is activated and an extra security code has to be selected the first time this function is used.

### Approach lighting

To use this feature, deselect/select **Welcome Light** in the center display's menu system.

In dark conditions, activate approach lighting by pressing the unlock button on the remote key as you approach the vehicle.



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6

## INTERIOR OVERVIEW

- 1 **The center display** is used to control many of the vehicle's main functions, such as the climate system, driver support systems and apps.
- 2 **The instrument panel** displays most of the information related to driving such as speed, rpm, navigation and active driver support functions. You can decide what is displayed here via **Settings → My Car → Displays** in the center display's Top view.
- 3 **The head-up display\*** supplements the instrument panel by projecting certain information on the lower section of the windshield. It can be activated in the center display's Function view.
- 4 **Start the vehicle** with the start knob in the tunnel console, between the front seats. Select gears **P** or **N**. Turn the knob toward **START** and release it to activate ignition mode **I** or depress the brake pedal and turn the knob toward **START** and release it to start the vehicle. Switch off by selecting gears **P** or **N** and turning the start knob toward **STOP**.
- 5 **Drive modes** are selected using the control in the tunnel console, between the front seats. Press the control and roll it to select drive mode **Comfort**, **Off Road**, **Eco**, **Dynamic** or **Individual** in the center display. Confirm your choice by pressing the control. Drive mode **Individual** enables you to tailor a drive mode's characteristics and is activated in the center display's Top view under **Settings → My Car**.
- 6 Activate the **parking brake** by pulling up the (P) control in the tunnel console. A symbol will appear in the instrument panel. Release the parking brake manually by pressing the brake pedal and pressing down the control. The auto-hold brake function (Ⓜ) keeps the vehicle stationary when it is stopped e.g., at a traffic light even if the brake pedal is not depressed.

Keep in mind that the parking brake's auto-hold function has to be deactivated in automatic car washes where the vehicle rolls. This is done in the center display's Top view by tapping **Settings → My**

**Car** and deselecting **Auto Activate Parking Brake**. Select gear **N** and turn the start knob to **STOP** and hold it in this position for at least 4 seconds.

- 7 **Disabling the front passenger's side airbag:** models in the United States and Canada are equipped with an automatic occupant weight sensor that monitors the weight of the person sitting in the front passenger's seat and activates/deactivates the front passenger's side airbag accordingly. **Please consult your on-board owner's manual or the printed owner's manual supplement for important safety-related information about this function.**



3G

13:45

Navigation

Ånäsvägen



Media - USB

Lune

Leave The World Behind


01:21

03:56



Phone


Telenor


Daniel's Phone 


Driver Performance

10.1 l/100km

22°C



 AUTO



22°C



## CENTER DISPLAY

Many of the vehicle's settings and functions are controlled from the **center display**, which has 3 main views: Home view, Function view (from Home view, swipe the screen from left to right) and App view (from Home view, swipe the screen from right to left). The center display also has a Top view, which is accessed by swiping from the top of the screen downward.

**Change the center display's appearance** by selecting a theme. From Top view, select **Settings → My Car → Displays**. From here, you can also select a dark or light background for the screen.

**Go back in a menu** by pressing the Home button under the screen. Press and hold this button to return to Home view.

**To clean the center display**, press and hold the Home button below the screen. After cleaning the screen, reactivate it by pressing the Home button briefly.

**The status bar** at the top of the screen shows the status of current vehicle activities and functions. Network and connection information is shown to the left. Brief media-related information and the clock are shown to the right.

**The climate bar** at the bottom of the screen is where temperature, seat comfort functions and blower levels are set by tapping the respective icons.



2. Select the desired function in the center display by turning the control.
3. Change the desired settings by pressing the upper/lower/front/rear sections of the control. Some of the settings can also be made by tapping the respective buttons in the center display.

### Storing seat settings

1. Adjust the seat, door mirrors and head-up display\* to the desired positions and press the **M** button on the door. The indicator light in the button will illuminate.
2. Press button **1** or **2** within **three seconds** to store the new settings in the selected button. An audible signal will sound and the indicator light in the **M** button will go out.

Press one of the buttons to move the seat to the settings that have been stored in that button.

## POWER FRONT SEATS\*

Use the controls on the outboard side of a front seat to adjust the seat's position, lumbar support\*, etc. One of the controls is shaped like a seat and is used to make basic seat adjustments. The other control is used to adjust lumbar support, use the massage function\*, etc.

### The seat-shaped control

Adjust the height of the seat cushion or move the entire seat using the lower section of the control. Adjust backrest tilt with the rear section of the control.

### The multifunction control\*

Settings for the massage function\*, side bolsters\*, lumbar support\*, and extending the seat cushion\* are made using the multifunction control.

1. Turn the multifunction control to open the seat settings window in the center display.

## FOLDING THE REAR SEAT BACKRESTS

It may be necessary to adjust the front seat backrests and/or move these seats forward in order to fold down the rear seat backrests completely.

On models equipped with the electric fold-down function\*, the buttons used are located at the rear of the vehicle in the cargo area.

### Folding down the backrests

To fold down a rear seat backrest, the vehicle must be stationary and the tailgate must be open.

1. If necessary, press down the center head restraint manually.
2. Press one of the buttons (marked **L** and **R**) for the left or right section of the backrest on the right side of the tailgate opening.
3. The backrest will fold down automatically to the horizontal position.  
The outboard head restraint will fold down automatically.

The backrests can also be folded down manually by pulling up the handles on the upper edge of the outboard seats and folding the backrests down.

### Returning a backrest to the upright position

The backrests always have to be returned to the upright position manually.

1. Fold the backrest up and press it into place until it locks in position.
2. Manually return the outboard head restraint(s) to the upright position.
3. If necessary, adjust the height of the center head restraint.



02











## STEERING WHEEL


The steering wheel has controls for the horn, certain optional driver support systems, menus/ messages and paddles for manually shifting gears\*. The steering wheel can be adjusted to various positions.





### Left-side steering wheel keypad

Driver support functions are selected in the instrument panel using the left-side keypad. When a symbol is WHITE, the function is active. A GRAY symbol indicates that the function is in standby mode or has been cancelled.

#### Screen symbols:


-  Speed limiter\*
-  Cruise control
-  Adaptive cruise control\*
-  Pilot Assist\*


Press  to start or cancel a function.

Press briefly  /  to increase or reduce a stored speed in +/- 5 mph (+/- 5 km/h) increments. Press and hold to change the speed +/- 1 mph (+/- 1 km/h) at a time. When using Adaptive Cruise Control or Pilot Assist, press  to reduce/increase the time interval to the vehicle ahead. Pressing  also resumes the speed set for the selected function.

### Right-side steering wheel keypad


The right-side keypad controls the instrument panel.

 Open/close the app menu. From here, you can control the trip computer, media player, a connected cell phone and the navigation system.

 Press the left/right arrows to scroll among the available apps.

- Select/deselect or confirm a choice, e.g., select the trip computer's menu or erase a message from the instrument panel.
- ▲▼ Scroll among a selected app's functions by pressing the up/down arrows.

If no other function is active, **raise/lower media volume** by pressing ▼ or ▲.

**Voice control** is activated by pressing the  button to give voice commands for e.g., media, navigation or climate systems. For example, say "**Play the Rolling Stones**", "**Raise temperature**", "**Help**", "**Repeat**" or "**Cancel**".

See your owner's manual for additional information about voice control and other examples of the voice commands that can be used.

### **Trip computer**

The trip computer calculates e.g., mileage, fuel consumption and average speed. You can choose the type of trip computer information that will be displayed in the instrument panel. The trip computer calculates the distance that can be driven on the amount of fuel remaining in the tank. Use the buttons on the right-side steering wheel keypad to display the various alternatives. When "---" is displayed in the instrument panel, there is very little driving distance remaining.




**Home safe lighting** switches on the headlights, parking lights and door handle lights\* to illuminate the area in front of the vehicle in dark conditions. To activate this function, switch off the ignition and push the lever toward the dashboard as far as possible and release it. After a period of time, the lights will switch off automatically.

#### Resetting the trip odometer

Reset the manual trip odometer (**TM**) by pressing and holding the **RESET** button. The automatic trip odometer (**TA**) resets automatically if the ignition is switched off for more than 4 hours.

## LEFT-SIDE STEERING WHEEL LEVER

The vehicle's **exterior** lights are controlled using the left-side steering wheel lever and the lighting ring on this lever.

With the lighting ring in the **AUTO** position, the vehicle will automatically monitor ambient lighting conditions and e.g., switch between day-light running lights and low beam headlights or switch on the low beam headlights when driving through a tunnel. Turn the lighting ring to the  position to switch on the Active High Beam function. Manually activate the high beams by moving the lever forward or switch back to low beams by moving the lever rearward.


**Active Bending Lights\*** are designed to help light up a curve according to movements of the steering wheel. This function is activated automatically when the engine is started and the low beam headlights are on, and can be deactivated in the center display's Function view.



## RIGHT-SIDE STEERING WHEEL LEVER


The right-side steering wheel lever is used to control the vehicle's wipers/washers and the rain sensor\*.

- Move the lever down and release it for a single sweep.
- Move the lever upward in steps for interval/normal speed/high speed wipers.
- Turn the thumb wheel on the lever to adjust interval wiping speed.
- Pull the lever toward the steering wheel to start the windshield and headlight\* washers or press it forward to start the tailgate window washer.

 Press this button to activate the rain sensor\*, which monitors the amount of water on the windshield and starts the wipers automatically when needed. Turn the thumb wheel on the lever to adjust the rain sensor's sensitivity.

 Press for tailgate interval wiper.

 Press for tailgate continuous wiper.

 The windshield wiper blades must be in the vertical (**service**) position for replacement, removing snow, etc. This is activated from the center display's Function view.





## PASSENGER COMPARTMENT CLIMATE

### Interior Air Quality System (IAQS)\*

IAQS is part of the Clean Zone Interior Package\* and is a fully automatic system that filters passenger compartment air to help remove gases, particles and other contaminants. The function is activated in the center display's Top view under **Settings → Climate → Air Quality Sensor**.

### Climate system settings

Climate system functions for the front and rear sections of the passenger compartment are controlled from the center display, using buttons on the center console and the climate panel on the rear side of the tunnel console\*. Some functions can be controlled using voice commands.



The icon for opening Climate view is at the center of the climate bar at the bottom of the screen. When the text **Clean Zone** is BLUE, this indicates that the conditions for good air quality in the passenger compartment have been met.

- Tap **AUTO** in Climate view to activate/deactivate fully automatic control of certain climate system functions and the temperature. The blower speed can also be set to five different automatic levels in **AUTO** mode as well as to **Off** and **Max**.
- Tap any of the icons in the climate bar at the bottom of the center display to set the temperature, seat heating\* and blower speed.

To synchronize the temperature for all of the vehicle's zones with the driver side's temperature, tap the driver side's temperature icon and then tap **Synchronize temperature**.





## CONNECTIONS

The vehicle's various types of connections can be used to play or voice-control media, send or receive text messages, make or receive phone calls, connect to the Internet, etc., from an external device such as a smartphone. In order to connect your devices to the vehicle, the ignition must be in at least mode **I**.

**Bluetooth** can be used to make a cordless connection between the vehicle and an external device to e.g., handle phone calls and text messages, stream media and connect the vehicle to the Internet. Two Bluetooth-enabled devices can be connected at the same time but one of them can only be used to stream media.

1. Activate Bluetooth in your phone. Also activate tethering/personal hotspot if you would like to connect to the Internet.

2. Open the **Phone** sub-view in the center display and tap **Add phone** or if a phone is already connected, tap **Change** to connect a different one.
3. Select the phone to be connected and follow the instructions on the center display and in the phone. For certain phones, the text message function must be activated<sup>2</sup>.

**Wi-Fi connections** can be used to connect the vehicle to the Internet to make it possible to listen to web radio and music services via apps in the vehicle, to contact a workshop from the vehicle or download software.

1. Activate the smartphone's tethering/personal hotspot function.

<sup>2</sup> Go to [www.volvocars.com](http://www.volvocars.com) for a list of compatible phones or contact your Volvo retailer.

2. Tap **Settings** in the center display's Top view.
3. Select **Communication → Wi-Fi** and activate the function by tapping the Wi-Fi box.

### Connect using the vehicle's modem

1. Place a SIM card in the holder in the cargo compartment.
2. Tap **Settings → Communication → Vehicle Modem Internet** in the center display's Top view.
3. Activate by tapping the **Vehicle modem Internet** box.

When the modem is used to make the connection, the Volvo On Call services will use this connection.

### Wi-Fi tethering (hotspot)

When the vehicle is connected to the Internet, tethering (sharing a Wi-Fi hotspot with other devices) can be activated in **Settings** in the center display's Top view. Tap **Communication → Vehicle Wi-Fi Hotspot**.

### USB/AUX sockets

These sockets can be used to connect external devices to e.g., play media. If you activate Wi-Fi tethering via USB to your cell phone, you can also connect the vehicle to the Internet. The USB sockets can also be used for Apple CarPlay/Android Auto.

- 1 USB/AUX socket
- 2 12-volt socket. There is also a 12-volt socket in the cargo compartment.

### Handling calls

You can make and receive calls in the vehicle from a Bluetooth-connected cell phone from the **Phone** sub-view in the center display or by using the right-side steering wheel keypad. Voice commands can also be used by briefly pressing the voice control button (Ⓜ) on the right-side steering wheel keypad and saying e.g., "Call [contact]".

### Playing media

In order to listen to audio from an external device, connect it to the vehicle using the connection method of your choice and open one of the following apps: **Bluetooth**, **USB** or **AUX** in the center display's App view, depending on the type of connection you have selected.

For playback from an iPod, always choose the **iPod** app.

### Apple CarPlay/Android Auto

These features make it possible to use certain apps in your cell phone via the vehicle to e.g., play music or listen to podcasts. These features can be controlled from the vehicle's center display or your cell phone.

In an iPhone, voice control with Siri has to be activated before using Apple CarPlay.

1. Connect the phone to a USB socket. If the vehicle is equipped with two USB sockets, use the one with the white frame.
2. Tap the **Apple CarPlay/Android Auto** icon in the center display's App view to activate.

Activate Apple CarPlay/Android Auto voice control by pressing the Ⓜ button on the right-side steering wheel keypad for several seconds. Press this button briefly to activate the vehicle's own voice control function.

Bluetooth is deactivated when Apple CarPlay is activated. Use an alternative connection method if necessary.

3G

13:45

1

Navigation

Ånäsvägen



2

Media - USB

Lune

Leave The World Behind

01:21

03:56



3

Phone

Telenor

Daniel's Phone 

4

Driver Performance

10.1 l/100km

22°C



 AUTO





22°C

## HOME VIEW


The center display starts up in Home view, which has sub-views for Navigation, Media, Phone and recently used vehicle functions.

- 1 **Navigation:** tap to go to the Sensus Navigation system.

**Set a destination using an address:** Tap  to display a screen where an address can be entered as a destination.

**Set a destination on the map:** Tap  to maximize the map and press a point on the map as a destination.

**Deleting a destination:** Press a destination's icon and then tap **Delete**.

- 2 **Media:** this shows e.g., your music on an external device or if you have selected **FM radio** in App view. Tap the sub-view to access settings. From here, you can see your music libraries, web-based radio stations, etc.
- 3 **Phone:** This provides access to phone functions. Tap the sub-view to expand it to e.g., make a call from the list of recent calls or from your list of contacts, or to enter a phone number using the keypad. When you have selected or entered a number, tap **Call** or .
- 4 **Recently used vehicle function:** This displays a recently used function that is not displayed in one of the other sub-views, such as **Car status**, **Driver performance** or **Lane Keeping Aid**. A recently used function can also be reached by tapping its sub-view.



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13:45

### Vehicle functions



ESC Sport Mode



Lane Keeping Aid



Park Assist



Cross Traffic Alert



Distance Alert



Start/Stop



Camera



Park In



Park Out



Headrest fold



Head-up display adjustments



Road Sign Information



Head-up display



BLIS



Active Bending Lights

22°C



22°C

## FUNCTION VIEW AND APP VIEW

### Function view

In Home view, sweep the screen from left to right to access Function view. From here, you can activate/deactivate various vehicle functions such as the **Head-up display\***, **Park Assist\*** and **Lane Keeping Aid\***. Activate/deactivate a function by tapping its symbol. Some functions open in their own windows.

Go back in the menu structure by pressing the Home button beneath the center display.

### App view

In Home view, sweep the screen from right to left to access App view. This displays the factory-installed apps as well as apps that you may have chosen to download and install.



**Download, update or uninstall apps** by tapping **Download Center** in App view. In order to do this, the vehicle must be connected to the Internet.

**Downloading:** Tap **New apps** and select an app. Tap **Install** to download the app.

**Updating:** Tap **Install all** to update all of the apps. Tap **Application updates** to display a list of available updates. Select the desired app and tap **Install**.

**Uninstall:** Tap **Application updates** and select an app. Tap **Uninstall** to remove it.

### Searching for and updating system software

- Tap **System updates** to display available updates.
- Tap **Install all** to update all software or **Install** to update specific software.

**Moving an icon:** apps and buttons in App and Function views can be moved to customize these views.

1. Press and hold an icon.
2. Drag it to the desired position and release it.



Settings



Owner's manual



Profile



Car message stored in Car status application



Passenger



TuneIn is installing



New position received

Download Centre

No connection to service



CLEANZONE®

20°C



AUTO



22°C



## TOP VIEW

Tap (or pull down) the tab at the top of the screen to open Top view. This provides access to **Settings**, **Owner's manual**, **Profile** and the vehicle's stored messages.

### Personal settings

Many personal settings, such as changing the center display's appearance and the information that is shown there, can be changed under **Settings → My Car**.

### Link a remote key to a driver profile

Each remote key used with the vehicle can be linked to a driver profile in the center display's Top view under **Settings → System → Driver Profiles**. Select one of the driver profiles (the **Guest** driver profile cannot be linked to a remote key). Home view will again be displayed. Pull down Top view again, repeat this procedure and select **Edit** for the selected profile followed by **Connect key**. When the connected key is used, the settings in the driver profile linked to that key, such as displays, door mirror positions, the front seat, navigation, infotainment, language and voice control<sup>3</sup>, will be applied.

### The Individual drive mode\*

To adapt the **Comfort**, **Eco** or **Dynamic** drive modes to your personal preferences: go to **Settings → Individual Drive Mode**. After changing the settings of your choice, select **Individual** using the **DRIVE MODE** control in the tunnel console.

### System volumes

The volume level of certain system sounds such as the on-screen keyboard or the center display touchscreen can be adjusted or muted under **Settings → Sound → System Volumes**.

<sup>3</sup> See your owner's manual for a list of personal/global settings.





## DRIVER SUPPORT

A number of standard and optional driver support functions are available in your vehicle to help make driving safer and are designed to help avoid accidents or mitigate their effects. These functions are activated in the center display's Function view.

### City Safety™

City Safety™ is a support system designed to help alert the driver to pedestrians, cyclists, large animals and vehicles that may appear suddenly in front of your vehicle by providing visual, audible and haptic alerts. City Safety™ activates automatically each time the engine is started.

### Cross Traffic Alert (CTA)\*



CTA alerts the driver to crossing traffic behind your vehicle when backing up or if reverse gear is selected.

### Blind Spot Information (BLIS)\*



BLIS informs the driver of vehicles in the door mirrors' blind angles or of rapidly approaching vehicles in the driving lanes adjacent to your vehicle.

### Lane Keeping Aid (LKA)\*



If your vehicle is about to inadvertently cross a driving lane's side marker lines, LKA is designed to actively guide the vehicle back into the lane. You will also be alerted by an audible signal or vibrations in the steering wheel.

LKA settings can be made in the center display's Top view under **Settings**. Select **My Car → IntelliSafe → Lane Assistance**. The Run-off Mitigation function\* can also provide additional support if the vehicle is about to go off the road. If this system is triggered, brake and steering support can be provided automatically.

### Pilot Assist\*

Pilot Assist is a feature that helps keep the vehicle in its current traffic lane and maintain a set time interval to the vehicle ahead.

Pilot Assist is activated/deactivated using the buttons on the left-side steering wheel keypad. In order to provide steering assistance, the driver's hands must be on the steering wheel and the traffic lane's side marker lines must be clearly visible.

When steering assistance is being actively provided, the steering wheel symbol in the instrument panel will be GREEN.







## PARKING ASSISTANCE SYSTEMS

### Park Assist Pilot (PAP)\*

PAP assists in parking or leaving a parking space by e.g., scanning a potential parking space and thereafter controlling the steering wheel to guide the vehicle into the space. The driver's task is to check the area around the vehicle, follow the instructions in the center display, select the appropriate gear, control the vehicle's speed, apply the brakes and stop the vehicle.

#### Parking with Park Assist Pilot



1. Tap **Park In** in the center display's Function view. The vehicle's speed may not exceed 20 mph (30 km/h) during parallel parking or 12 mph (20 km/h) during perpendicular parking. The distance between the vehicle and the parking space must be 1.6-5 ft (0.5-1.5 m).
2. Stop the vehicle when prompted by a graphic and text in the center display when a suitable parking space has been detected. A pop-up window will appear.
3. Follow the instructions on the center display and be prepared to stop the vehicle when prompted to do so.

#### Leaving a parking space

This function can only be used when the vehicle has been parallel parked.



1. Tap **Park out** in the center display's Function view.
2. Follow the instructions provided.

### Park Assist Camera (PAC)\*



This camera helps the driver see what is around the vehicle and to indicate potential obstructions using a camera image and graphics in the center display. The camera view and guiding lines can be selected in the center display. The camera can be started automatically when reverse gear is selected. This setting is made in the center display's Top view under **Settings**.

- Select **My Car** → **Park Assist** → **Auto Camera Reverse Activation**.

The camera can also be started manually:

- Tap the **Camera** icon in the center display's Function view to activate/deactivate the camera.



## ECONOMICAL DRIVING PLEASURE

Planning your trips and driving economically can help reduce fuel consumption, emissions, operating expenses and environmental impact.

### **Plan your drives by always:**

- Planning your route to avoid unnecessary stops and frequent changes in speed, which are factors that contribute to increased fuel consumption

### **Drive economically by:**

- Activating the **Eco** drive mode to help adapt the vehicle for more energy-efficient driving
- Not idling the engine unnecessarily. Use the Stop/Start function whenever possible
- Maintaining an even speed and planning ahead to help minimize braking
- Maintaining the recommended tire inflation pressure and checking it regularly
- Not driving with open windows

## SUPPLEMENTARY TEXTS

The owner's manual and other owner-related manuals contain safety instructions and all warning, caution and note texts, which must be read. Certain functions may not be available in all markets or on all models.



### WARNING

#### Getting started

- Volvo On Call only functions in areas where there is cell phone reception. Just as with a cell phone, atmospheric disturbances or areas with few cell phone transmitting masts may make it difficult or impossible to make a connection.
- In addition to the owner's manual, refer also to your Volvo On Call service agreement for information about warnings/cautions/notes.

#### Exterior overview

- Pay attention to the risk of injury when using the power tailgate. Before opening/closing: Make sure that no one is in the path of the tailgate as an injury could occur and that the tailgate is not obstructed in any way while it is in motion.

#### Interior overview

Volvo recommends that ALL occupants (adults and children) shorter than 4 feet 7 inches (140 cm) be seated in the rear seat of any vehicle with a front passenger side airbag and be properly restrained according to their height and weight.

#### Occupant Weight Sensor

- No objects that add to the total weight on the seat should be placed on the front passenger's seat. If a child is seated in the front passenger's seat with any additional weight, this extra weight could cause the occupant weight sensor to enable the airbag, which might cause it to deploy in the event of a collision, thereby injuring the child.
- The seat belt should never be wrapped around an object on the front passenger's seat. This could interfere with the occupant weight sensor's function.

- The front passenger's seat belt should never be used in a way that exerts more pressure on the passenger than normal. This could increase the pressure exerted on the occupant weight sensor by a child, and could result in the airbag being enabled, which might cause it to deploy in the event of a collision, thereby injuring the child.
- The full weight of the front seat passenger should always be on the seat cushion. The passenger should never lift him/herself off the seat cushion using the armrest in the door or the center console, by pressing the feet on the floor, by sitting on the edge of the seat cushion, or by pressing against the backrest in a way that reduces pressure on the seat cushion. This could cause the occupant weight sensor to disable the front, passenger's side airbag.

#### Interior overview

When leaving the vehicle, ensure that the ignition is in mode **0**. Never leave a remote key in the vehicle.

Always apply the parking brake when parking on hills or uneven surfaces.

#### Power front seats

Do not adjust the seat while driving. The seat should be adjusted so that the brake pedal can be depressed fully. In addition, position the seat as far rearward as comfort and control allow.

#### Folding the rear seat backrests

When a backrest is returned to the upright position, check that it is properly locked in place by pushing and pulling it. Also, if the outboard head restraints are in the upright position, be sure they are securely locked in place.

#### Steering wheel

The driver is always responsible for operating the vehicle in a safe manner in accordance with current traffic regulations.

#### Driver support

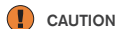
The driver support functions available in your vehicle are designed to be supplemental aids to the driver and all have certain limitations. They can never replace the driver's attention and judgement with respect to traffic, road and/or weather conditions or his/her responsibility for operating the vehicle in a safe manner in accordance with traffic regulations and speed limits. The driver always has the

primary responsibility for applying the brakes and steering the vehicle.

Before operating your vehicle, read the detailed information in your owner's manual about the driver support functions in your vehicle.

#### Parking assistance systems

- Park Assist Pilot does not function in all situations and is only intended to assist the driver during parallel or perpendicular parking. As the driver, you have full responsibility for parking the vehicle in a safe manner.
- Park Assist Camera is designed to be a supplementary aid when parking the vehicle. It is not, however, intended to replace the driver's attention and judgment. The camera has blind spots where it cannot detect objects or people behind the vehicle. Pay particular attention to people or animals that are close to the vehicle. Objects seen on the screen may be closer than they appear to be.



### CAUTION

#### Exterior overview

If the tailgate has been opened and closed continuously too long, the automatic function will be deactivated to avoid overloading the electrical system. The automatic function can be used again after approximately 2 minutes. Foot operation may not be possible or function normally if the rear bumper is obstructed by snow, ice, dirt, etc.

#### Interior overview

The head-up display's\* projection unit is located in the dashboard. Avoid scratching or placing objects on the unit's glass surface.

#### Folding the rear seat backrests

To help avoid damage to the seat upholstery, before a rear seat backrest is folded down, remove any objects from the seat and ensure that the seat belts are not buckled. The integrated booster cushions\* (not available in all models) must be stowed (folded down) before the backrest is folded down. The center seating position armrest must be folded up before the backrest is folded down.

#### Right-side steering wheel lever

- Be sure the wiper blades are not frozen in position before attempting to move them to the service position.
- If the wiper arms have been folded out from the windshield while in the service position, fold them back against the windshield before returning the wipers to the normal position to help avoid scratching the paint on the hood.

#### Connections

- Max. current provided is 10 A (120 W) if only **one socket** in the tunnel console is in use.
- If **both sockets** in the tunnel console are used at the same time, the max. current provided per socket is 7.5 A (90 W).
- Max. current provided is 10 A (120 W) from the 12-volt socket in the cargo compartment.
- The max. current provided by the 120-volt socket is 150W.



### NOTE

#### Exterior overview

Metallic objects or electromagnetic fields may interfere with the remote key's function. Avoid placing the remote key within 4-6 in. (10-15 cm) of a metallic object, cell phone, tablet, etc.

#### Interior overview

- The Off Road drive mode is not intended for normal street driving.
- After a cold start, idle speed may be noticeably higher than normal for a short period. This is done to help bring components in the emission control system to their normal operating temperature as quickly as possible, which enables them to control emissions and help reduce the vehicle's impact on the environment.
- If City Safety™ or Forward Collision Warning\* is activated, the information in the head-up display will be replaced by a graphic relating to the respective systems. This graphic will illuminate even if the head-up display is turned off.
- The driver's ability to see information in the head-up display may be impeded by the use of polarizing sunglasses, not sitting in the center of the driver's seat, objects on the head-up display's projector glass on the dashboard or certain ambi-

ent lighting conditions. Certain types of vision problems may also result in headaches or eye strain.

#### **Center display**

- The microfiber cloth used should be free of sand, dirt or anything abrasive that might scratch the screen. Do not use rough cloths, paper towels or tissues that could scratch the screen. When cleaning the center display, apply only light pressure on the screen. Pressing too hard could cause damage.
- Do not spray any liquid or corrosive chemicals directly on the screen. Do not use window cleaning liquid, cleaning agents (particularly ones containing abrasives), sprays, solvents, alcohol or ammonia to clean the screen.

#### **Steering wheel**

The accuracy of the "distance to empty" figure may vary if your driving style changes.

#### **Passenger compartment climate**

- Seat ventilation\* cannot be started if the temperature in the passenger compartment is too low.
- Heating or cooling cannot be speeded up by selecting a higher/lower temperature than the one actually required.

#### **Connections**

- If your cell phone's operating system is updated, this may break the connection between the phone and the vehicle. If this happens, delete the phone from the list of paired phones and repeat the pairing procedure.
- Downloading data may affect other services that transfer data such as web radio, streaming music, etc. If this occurs, a download in progress can be cancelled or the other service can be temporarily turned off.
- Please be aware that Volvo has no control over the content of the Apple CarPlay/Android Auto apps.
- Apple CarPlay can only be used if Bluetooth is disabled. Therefore, a cell phone or a media player connected via Bluetooth will not be accessible while Apple CarPlay is active.

#### **Parking assistance systems**

Keep the Park Assist Camera's lens free of dirt, ice and snow. This is particularly important in poor ambient lighting conditions.



