

OWNER'S MANUAL

# OPEL FRONTERA





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# INTRODUCTION

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy. This Owner's Manual provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

Some functions are only operational when ignition is switched on, when combustion engine is running or when electric engine is ready.

Make sure your passengers are aware of the possible risk of accident and injury which may result from improper use of the vehicle.

You must always comply with the specific laws and regulations of the country that you are in. These laws may differ from the information in this Owner's Manual.

Disregarding the description given in this manual may affect your warranty. When this Owner's Manual refers to a workshop visit contact a qualified workshop that has the required technical information, skills and equipment. We recommend your Opel Service Partner.

The customer literature pack should always be kept ready to hand in the vehicle.

We wish you many hours of pleasurable driving.

**Your Opel Team**

## Link To Company App And Website

You can access and download the full digital version of the Owner's Manual in the myOpel webportal or on Service Box using the following link:

<https://public-service-box.opel.com/OVddb/OV/>

For direct access to the Owner's Manual, use the QR code below.



You may also find more details and information in the myOpel app. Installation of the app with the following QR code:



## How To Use This Manual

- This manual describes all options and features available for this model. **Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, special equipment or accessories.**
- The table of contents at the beginning of this manual and within each section shows where the information is located.

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- The index will enable you to search for specific information.
- This Owner's Manual depicts lefthand drive vehicles. Operation is similar for right-hand drive vehicles.
- The Owner's Manual uses the engine identifier code. The corresponding sales designation and engineering code can be found in the section "Technical data".
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- Displays may not support your specific language.
- Display messages and interior labelling are written in **bold** letters.

## Symbols Keys



Environmental protection feature



Danger, Warning, Caution notes



Note

Page references are indicated with ⇨.  
⇨ means "see page".

Page references and index entries refer to the indented headings given in the section table of content.

## Safety Messages

### DANGER

Text marked **Danger** provides information on risk of fatal injury.

Disregarding this information may endanger life.

### WARNING

Text marked **Warning** provides information on risk of accident or injury.

Disregarding this information may lead to injury.

### CAUTION

Text marked **Caution** provides information on possible damage to the vehicle.

Disregarding this information may lead to vehicle damage.

## Propulsion Types

### Internal Combustion Engine Vehicle (ICE)

An ICE vehicle is propelled by an internal combustion engine - diesel or petrol - only.

### Hybrid 48 V Vehicle

A Hybrid 48 V vehicle is propelled by a combination of an ICE and an electric engine. The electric engine supports the ICE but can also propel the vehicle by itself. The 48 V battery is mainly charged by engine braking.

### Battery Electric Vehicle (BEV)

A BEV is propelled by an electric engine only. The high voltage battery is charged using a charging cable and additionally by engine braking.

# GETTING TO KNOW YOUR VEHICLE

## Keys

### ⚠ CAUTION

Do not attach heavy or bulky items to the ignition key.

### ⚠ DANGER

Never remove the key from ignition switch during driving as this will cause, depending on version, steering wheel lock.

## Remote Control Function



Locking the vehicle



Unlocking the vehicle

### ⚠ CAUTION

The electronic components inside the key may be damaged if the key is subjected to strong shocks. In order to ensure complete efficiency of the electronic devices inside the key, it should never be exposed to direct sunlight.

Enables operation of the following functions via the use of the remote control buttons:

- central locking system ⇨ 8
- anti-theft locking system ⇨ 12
- anti-theft alarm system ⇨ 12
- tailgate unlocking ⇨ 15
- mirrors folding ⇨ 18

The remote control has a range of up to 50 m, but may also be much less due to external influences. The hazard warning flashers confirm operation. Handle with care, protect from moisture and high temperatures and avoid unnecessary operation.

### Load compartment

Unlocking and locking settings for the load compartment can be set in the vehicle personalization.

Load compartment ⇨ 56

## Electronic Key System

### ⚠ WARNING

The electronic key can affect a pacemaker. Keep the electronic key away from the breast.

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Enables a keyless operation of the following functions:

- Central Locking System ⇨ 9
- Ignition Switching On And Starting The Engine ⇨ 101

The electronic key simply needs to be on the driver's person.

For reasons of security, the electronic key may be equipped with a motion sensor. If so, starting the vehicle is not possible when the electronic key has not been moved for a certain time.

When trying to start the vehicle, a corresponding message appears in the cluster. Move the electronic key and try to start the vehicle again.

Additionally, the electronic key includes the functionality of the radio remote control ⇨ 7

Handle with care, protect from moisture and high temperatures and avoid unnecessary operation.

Central locking system ⇨ 8.


### **i** NOTE

A short time after automatic unlocking, the vehicle is relocked if no door has been opened.

Automatic locking ⇨ 8.

### **Automatic Locking After Driving Off**

This system allows automatic locking as soon as the speed of the vehicle exceeds 10 km/h.

If the vehicle is not closed properly, the automatic locking does not take place. This is signalled by the sound of the locks rebounding, accompanied by illumination of  in the cluster, an audible signal and the display of an alert message.

### **Automatic Relock After Unlocking**

This feature automatically relocks the vehicle a short time after unlocking with the remote control or electronic key, provided vehicle has not been opened.

### **Central Locking System**

Unlocks and locks doors, load compartment and fuel filler flap.

A pull on an interior door handle unlocks and opens the respective door.

### **i** NOTE

In the event of an accident in which airbags or belt pretensioners are deployed, the vehicle is automatically unlocked.


### **i** NOTE


A short time after unlocking with the remote control the doors are locked automatically if no door has been opened. A precondition is that the setting is activated in the vehicle personalisation

## Central Locking Button

Locks or unlocks all doors, the load compartment and fuel filler flap from inside the passenger compartment.




Press  to lock. The LED in the button illuminates.

Press  again to unlock. The LED in the button extinguishes.

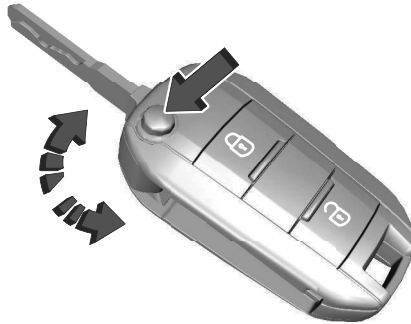
## Selective Unlocking Of Cabin And Load Compartment

Selective unlocking allows you to unlock either the doors of the cabin and the fuel filler flap or the load compartment, i.e., sliding doors, rear door / tailgate. Selective unlocking has to be configured.

Graphic Info Display: Switch on ignition. Press  more than 2 seconds. An audible signal is given and a message is displayed in the Graphic Info Display. Colour Info Display: Select the relevant setting in the Vehicle personalisation.

## Emergency Key

- To fold/unfold the mechanical key, press the button.



## With Remote Start

- Slide the button and pull the keystone out.



## Lock Cylinders

Designed to free-wheel if they are forcefully rotated without the correct key or if the correct key is not fully inserted. To reset, insert the correct key only half way and turn cylinder until its slot is vertical, remove key then re-insert it. If the cylinder still free-wheels, insert the key only half way and turn the key through 180° and repeat operation.

## Operation With The Key In Case Of A Central Locking System Fault

In case of a fault, e.g. vehicle battery or remote control / electronic key battery is discharged, the vehicle can be locked or unlocked with the mechanical key.

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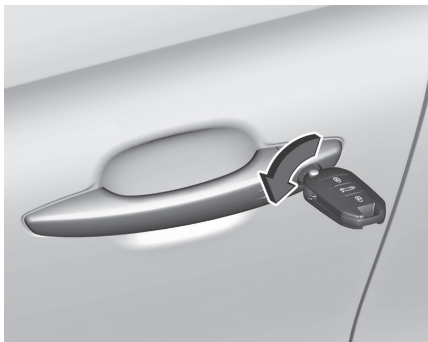
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## Manual Unlocking



Manually unlock the left door by inserting and turning counterclockwise the key in the lock cylinder. By switching on the ignition, the antitheft locking system is deactivated. The other doors can be opened by pulling the interior handle. The load compartment and fuel filler flap will possibly not be unlocked.

## Manual Locking



Manually lock the left front door by inserting and turning the key in the lock cylinder. With working central locking system the vehicle will be locked.

## Child Lock

### **WARNING**

Use the child locks whenever children are occupying the rear seats.

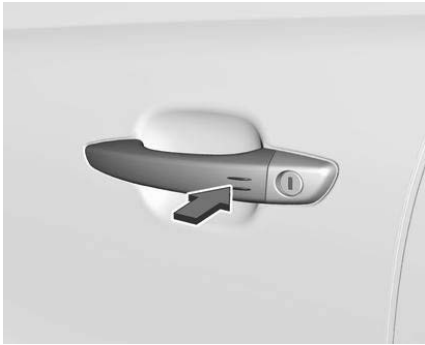


Turn the red child lock in the rear doors to the horizontal position by using a key. The door cannot be opened from the inside.

To deactivate, turn the child lock to the vertical position.

## Driver's Door Handle

The electronic key must be outside the vehicle, within a range of approx. 1.2 m of the driver's door handle or of the tailgate release button.



Press the button on the driver's door handle or the tailgate release button to unlock or to lock the vehicle. Unlocking or locking is confirmed by the hazard warning flashers.

### **i** NOTE

If the vehicle is not closed properly or the electronic key remains in the vehicle, locking will not be permitted. If the vehicle is equipped with an antitheft alarm system, a warning chime sounds after a few seconds.

### **i** NOTE

The electronic key may not operate if placed close to electronic devices

such as mobile phones or laptop computers.

## Battery Replacement

Replace the battery as soon as the system no longer operates properly or the range is reduced.



Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.



1. To unclip the cover insert a small screwdriver between the back cover and the remote control.
2. Remove the back cover.
3. Extract the flat battery from its location.

4. Replace battery with a battery of the same type. Pay attention to the installation position.
5. Clip the cover in place.

## Fault

If the central locking system cannot be operated with the radio remote control, the cause may be one of the following:

- Fault in radio remote control.
- Electronic key is out of reception range.
- The battery voltage is too low.
- The battery voltage is too high.
- Frequent, repeated operation of the radio remote control while not in range.
- Overload of the central locking system by operating at frequent intervals, the power supply is interrupted for a short time.
- Interference from higher-power radio waves from other sources.

Manual unlocking ⇨ 8

## Replacement Keys

The key number is specified on a detachable tag.

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The key number must be quoted when ordering replacement keys as it is a component of the immobilizer system.

Starting the engine ⇨ 101

Remote control function ⇨ 7

The code number of the adapter for the locking wheel nuts is specified on a card. It must be quoted when ordering a replacement adapter.

Wheel changing ⇨ 155

## Vehicle Security System

### Anti-Theft Locking System

#### WARNING

Do not use the system if there are people in the vehicle! The doors cannot be unlocked from the inside.


The system deadlocks all the doors. All doors must be closed otherwise the system cannot be activated.

Unlocking the vehicle disables the mechanical anti-theft locking system.

This is not possible with the central locking button.

### Activating



Press  on the radio remote control twice in rapid succession.

### Anti-Theft Alarm System

The anti-theft alarm system is combined with the anti-theft locking system.

It monitors:

- doors, tailgate, hood
- passenger compartment including adjoining load compartment
- vehicle inclination, e.g. if it is raised
- ignition

### Activation

All doors, the load compartment and the engine compartment must be closed.

The system is self-activated 45 seconds after locking the vehicle.

If a door, the tailgate or the hood is not properly closed, the vehicle is not locked. However, the anti-theft alarm is self-activated after 45 seconds.

#### NOTE

The automatic vehicle locking function does not activate the anti-theft alarm system.

To activate the anti-theft alarm system, lock the vehicle by using the radio remote control.

Central locking system ⇨ 8

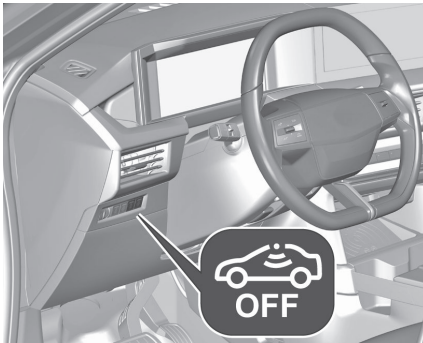
#### NOTE



Changes to the vehicle interior such as the use of seat covers and open windows, could impair the function of passenger compartment monitoring.

## Activation Without Monitoring Of Passenger Compartment And Vehicle Inclination


Switch off the monitoring of passenger compartment and vehicle inclination when animals are being left in the vehicle, because of high volume ultrasonic signals and because movements could trigger the alarm. Also switch off when the vehicle is on a ferry or train.

1. Close tailgate, hood, windows.




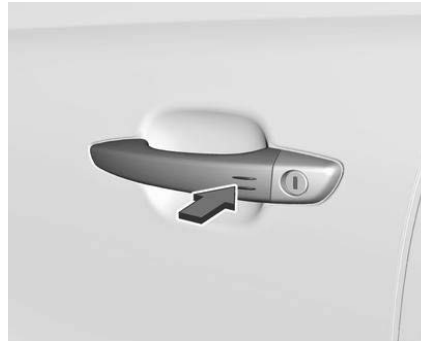
2. Press . LED in the button  illuminates for a maximum of ten minutes.
3. Close doors.
4. Activate the anti-theft alarm system.

## Indication

LED in the  button flashes if the anti-theft alarm system is activated. Seek the assistance of a workshop in the event of faults.

## Deactivation

Radio remote control: Unlocking the vehicle by pressing  deactivates the anti-theft alarm system.



The system is not deactivated by unlocking the driver's door with the key or with the central locking button in the passenger compartment.

## Alarm

When triggered, the alarm siren sounds and the hazard warning lights

flash simultaneously. The number and duration of alarm signals are stipulated by legislation.


The anti-theft alarm system can be deactivated by pressing c or switching on the ignition.

A triggered alarm, which has not been interrupted by the driver, will be indicated by the hazard warning lights. They will flash quickly four times the next time the vehicle is unlocked with the radio remote control.

If the vehicle's battery is to be disconnected (e.g. for maintenance work), the alarm siren must be deactivated as follows: switch the ignition on then off, then disconnect the vehicle's battery within 15 seconds.

If the battery has been reconnected (e.g. after maintenance work), wait for ten minutes to restart the engine.

## Fault

If the LED in the button  illuminates permanently when switching on the ignition, seek the assistance of a workshop.

Lock the vehicle by locking the front door with the key.

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## Immobilizer

The system is part of the ignition switch and checks whether the vehicle is allowed to be started with the key being used. The immobilizer is activated automatically.

### **i** NOTE

Radio Frequency Identification (RFID) tags may cause interference with the key. Do not have it placed near the key when starting the vehicle.

### **i** NOTE

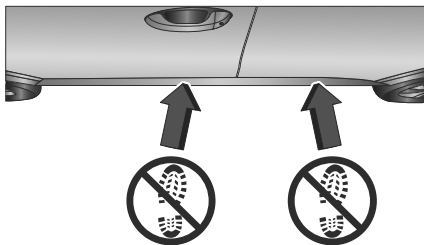
The immobilizer does not lock the doors. Always lock the vehicle after leaving it  
Central locking system ➡ 8

Switch on the anti-theft alarm system  
➡ 12

## Doors

### **⚠ CAUTION**

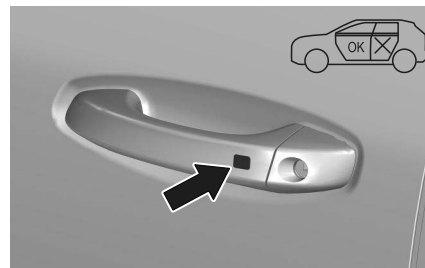
The sill panel must not be used as a step.



## Passive Entry

(where provided)

The system can identify the presence of an electronic key near the driver's door (and the tailgate) to unlock/lock the driver's door (or the tailgate) without having to press any button on the electronic key.



If the system identifies that the electronic key found is valid, the owner of the key can simply grasp one of the front handles to release the alarm and unlock the door and tailgate opening mechanism.

To lock the door, make sure having the electronic key and stay within the 1.2m operating range of the driver or passenger side door handle. Press the button on the handle: this will lock all doors and the boot tailgate. Door locking will also activate the alarm as well (where provided).

### **⚠ WARNING**

Do not simultaneously lock and unlock by pulling the handle.

## Fault

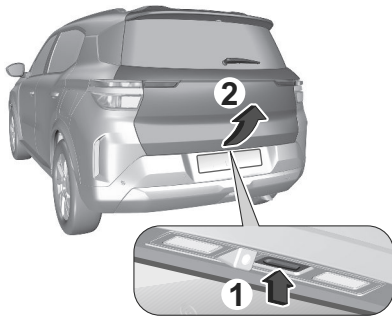
The operation of the recognition system depends on various factors, such as:

- any electromagnetic wave interference from external sources (e.g. mobile phones),
- the charge of the battery in the electronic key
- the presence of metal objects near the key or the vehicle.

In these cases it is still possible to unlock the doors by using the metal insert in the electronic key

## Tailgate Operation

### Opening



1. Press the tailgate button.
2. Open the tailgate.

### Closing



Use the interior handle.  
Do not push the tailgate button whilst closing as this will open the tailgate again.  
Central locking system ⇨ 8

### General Hints For Operating Tailgate

#### ⚠ WARNING

Do not drive with the tailgate open or ajar, e.g. when transporting bulky objects, since toxic exhaust gases, which cannot be seen or smelled, could enter the vehicle.

This can cause unconsciousness and even death.

#### ⚠ CAUTION

Before opening the tailgate, check overhead obstructions, e.g. a garage door, to avoid damage to the tailgate. Always check the moving area above and behind the tailgate.

#### i NOTE

The installation of certain heavy accessories onto the tailgate may affect its ability to remain open.

#### i NOTE

At low outside temperatures the tailgate may not open fully by itself. In this case lift the tailgate manually to its normal end position.

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## Windows

### Power Windows

#### WARNING

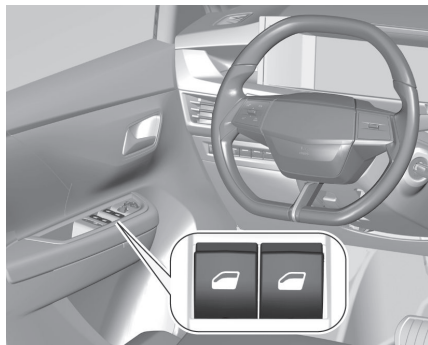
Take care when operating the power windows. Risk of injury, particularly to children.



If there are children on the rear seats, switch on the child safety system for the power windows.

Keep a close watch on the windows when closing them.

Ensure that nothing becomes trapped in them as they move.

Switch on the ignition to operate the power windows.



Operate  for the respective window by pushing to open or pulling to close. Depending on version, long pushing or pulling: the window moves up or down completely when the switch is released. Short pushing or pulling: the window moves up or down as long as  is operated.

#### Safety Function

Depending on version:

If the window meets an obstacle while rising, it stops and immediately partially lowers again.

#### NOTE

##### Overtaking of the anti-pinch

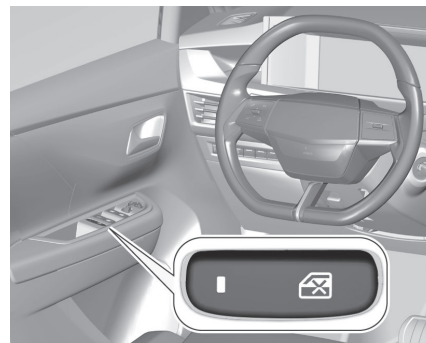
After triggering the anti-pinch, check that there are no obstacles blocking the movement of the window.

Try to close the window again.

If the window closing is interrupted by the anti-pinch 3 times in a row (max. 10 seconds between each action), the antipinch function becomes inoperable.

Without this protection, the window can only be closed manually - risk of injury!

### Child Safety System For Rear Windows



Press the button to deactivate the rear door power windows; the LED illuminates. To activate, press again.

#### Overload

If the windows are repeatedly operated within short intervals, the window operation is disabled for some time.

#### Reinitialising The Power Windows

If the windows cannot be closed automatically (e.g. after disconnecting the vehicle battery, overvoltage, or in case of abnormal behavior), a warning message is displayed on the cluster

**i NOTE**

Automatic window closing is no longer available, only manual closing is possible.

**The anti-pinch function is inoperable during the following sequence of operations.**

For each window:

- Lower the window fully, then raise it until the window is fully closed.
- Continue to pull the control for more than two seconds after the window reaches the closed position.

**⚠ WARNING**

If an electric window meets an obstacle during operation, the movement of the window must be reversed. To do this, press the relevant control.

When the driver operates the passengers' electric window controls, it is important to ensure that nothing can prevent the window from closing properly.

It is important to ensure that passengers use the electric windows correctly.

Pay particular attention to children when operating the windows.

Be aware of passengers and/or other persons present when closing windows remotely using the electronic key.

Do not put your head or arms through the open windows when the vehicle is moving - risk of serious injury!

**Windshield****Windshield Stickers**

Do not attach stickers such as toll road stickers or similar on the windshield

in the area of the interior mirror. Keep the sensor free from dust, dirt and ice. Otherwise, the detection zone of the rain sensor / light sensor and the view area of the camera in the mirror housing could be restricted.

**Windshield Replacement****⚠ CAUTION**

If the vehicle has a front-looking camera sensor for the driver assistance systems, it is very important that any windscreen replacement is performed accurately according to Opel specifications. Otherwise, these systems may not work properly and there is a risk of unexpected behaviour and / or messages from these systems.

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## Heated Windshield






Press  to activate the function. The LED in the button illuminates to indicate activation. Press  again to switch off the function. The heating works only with freezing outside temperatures and switches off automatically after a certain time depending on the outside temperature. When the ignition is switched off, the function is deactivated. Depending on the climate control system, this button can be located at a different position.

### Manual Windows

The rear door windows can be opened or closed manually with the window cranks.

## Heated Rear Window



Press  to activate the function. The LED in the button illuminates to indicate activation. Press  again to switch off the function. The heating switches off automatically after a certain time depending on the outside temperature. When the ignition is switched off, the function is deactivated. Depending on climate control system, the button can be located at a different position. Heated exterior mirrors  19

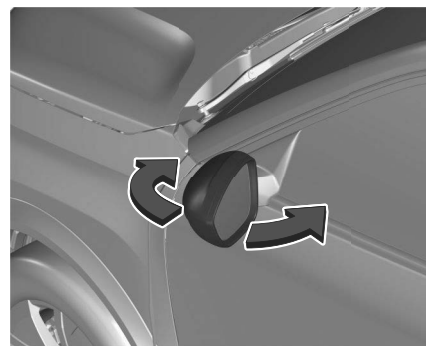
## Sun Visors

The sun visors can be folded down or swivelled to the side to prevent dazzling.

If the sun visors have integral mirrors, the mirror covers should be closed when driving. A ticket holder is located on the backside of the sun visor.

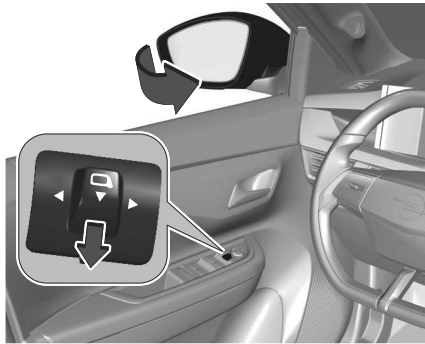
## Mirrors

### Folding Mirrors



For pedestrian safety, the exterior mirrors will swing out of their normal mounting position if they are struck with sufficient force. Reposition the mirror by applying slight pressure to the mirror housing.

## Manual Electric Folding



Move the switch to the centre position. Pull it rearwards. Both exterior mirrors are folded.

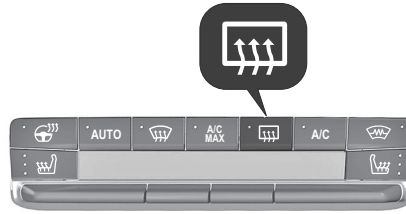
Pull it rearwards again. Both exterior mirrors return to their original position. If an electrically folded mirror is manually unfolded, pulling the switch rearwards will only unfold the other mirror electrically.


## Automatic Electric Folding


When the vehicle is unlocked, the mirrors swing to their normal mounting position. When the vehicle is locked, the mirrors are folded down.

To enable or disable automatic folding of the exterior mirrors, consult a workshop.

## Heated Mirrors




Press  to activate the heating of the exterior mirrors.

The LED in the button illuminates to indicate activation. Press  again to switch off the function.

The heating switches off automatically after a certain time depending on the outside temperature.

When the ignition is switched off, the function is deactivated.

Depending on climate control system, the button can be located at a different position.

Heated rear window  18.

## Convex Shape

The shape of the mirror makes objects appear smaller, which will affect the ability to estimate distances.

Side blind spot alert  139

## Rearview Display Mirror

### Interior Mirror Adjustment



To adjust the mirror, move the mirror housing in the desired direction.

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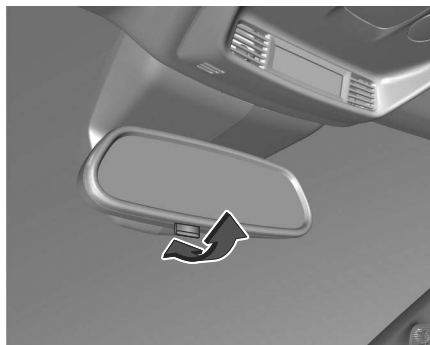
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## Automatic Anti-Dazzle



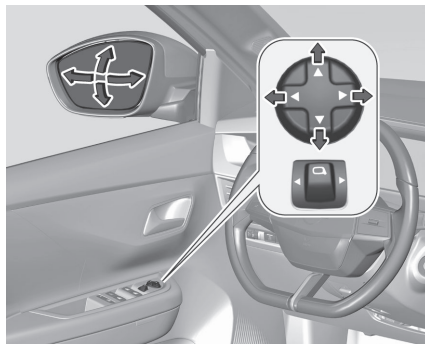
Dazzle from following vehicles is automatically reduced, when driving in the dark.

## Manual Anti-Dazzle



To reduce dazzle, pull the lever on the underside of the mirror housing.

## Electric Adjustment



Select the relevant exterior mirror by moving the switch to the left or right. Then use the 4-way control to adjust the mirror.


## Parking Assist

This function automatically tilts the mirrors downwards to assist with parking manoeuvres in reverse gear. With the engine running, on engaging reverse gear, the mirror glasses tilt downwards.

The mirrors tilt at different angles. If necessary, the mirrors can be tilt additionally.

The mirror glasses return to their original positions:

- a few seconds after coming out of reverse gear
- once the vehicle speed exceeds 10 km/h
- when the engine is switched off

The function can be activated or deactivated in the settings app  in the Info Display.

## Head Restraints

### Head Restraint Position

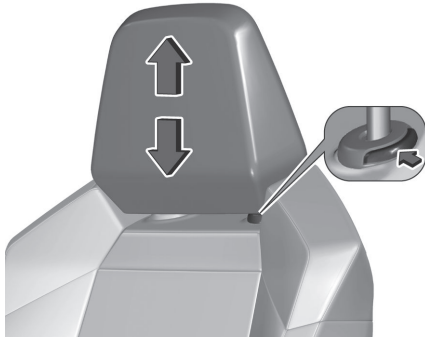
 **WARNING**

Only drive with the head restraint set to the proper position.

The upper edge of the head restraint should be at upper head level. If this is not possible for extremely tall people, set to highest position, and set to lowest position for small people.

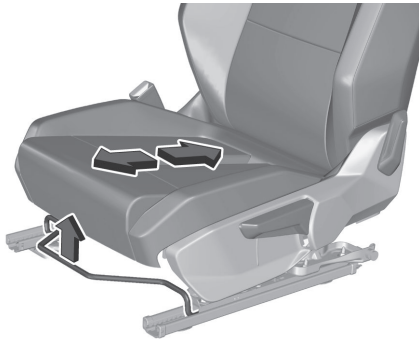
## Front Head Restraints

### Height Adjustment



Press release button, adjust height, engage.

### Longitudinal Adjustment



Pull handle, slide seat, release handle. Try to move the seat back and forth to ensure that the seat is locked in place.

### Removal

E.g. when using a child restraint system  
 ⇨ 30.

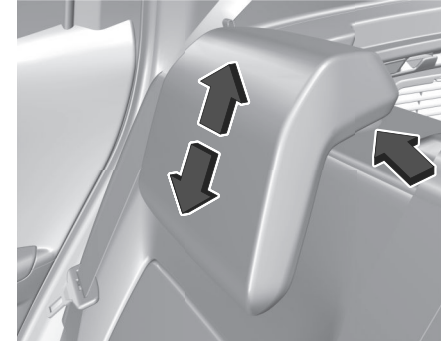
Pull the head restraint upwards, press the catch to release and pull the head restraint out.

### Refitting

- Insert the head restraint rods into the guides in the corresponding seat backrest.
- Push the head restraint fully down.
- Adjust the height of the head restraint.

## Rear Head Restraints

### Height Adjustment



Pull the head restraint upwards or press the catch to release and push the head restraint downwards.

### Removal

E.g. when using a child restraint system  
 ⇨ 30.

Pull the head restraint upwards, press the catch to release and pull the head restraint out.

### Refitting

- Insert the head restraint rods into the guides in the corresponding seat backrest.
- Push the head restraint fully down.

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- Adjust the height of the head restraint.

## Seats

### Front Seat Position

**⚠ WARNING**

Only drive with the seat correctly adjusted.

**⚠ DANGER**

Do not sit closer than 25 cm to the steering wheel, to permit safe airbag deployment.

**⚠ WARNING**

Never adjust seats while driving as they could move uncontrollably.

**⚠ WARNING**

Never store any objects under the seats.



- Sit with buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that legs are slightly angled when fully pressing the pedals. Slide the front passenger seat as far back as possible.
- Set the seat height high enough to have a clear field of vision on all sides and on instrument cluster. There should be at least one hand of clearance between head and the roof frame. Thighs should rest lightly on the seat without pressing into it.
- Sit with shoulders as far back against the backrest as possible. Set the backrest rake so that it is possible to easily reach the steering wheel with arms slightly bent. Maintain contact between

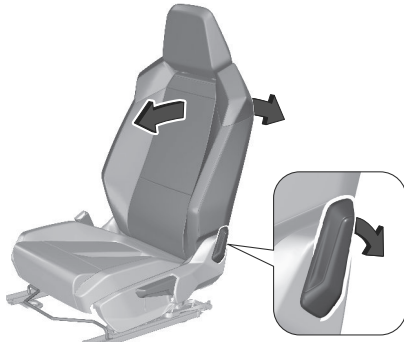
shoulders and the backrest when turning the steering wheel. Do not angle the backrest too far back. We recommend a maximum rake of approx. 25°.

- Adjust the seat and the steering wheel in a way that the wrist rests on top of the steering wheel while the arm is fully extended and shoulders are on the backrest.
- Adjust the steering wheel.
- Adjust the head restraint → 20.
- Adjust the thigh support so that there is a space approx. two fingers wide between the edge of the seat and the hollow of the knee.
- Adjust the lumbar support so that it supports the natural shape of the spine.

### Manual Seat Adjustment

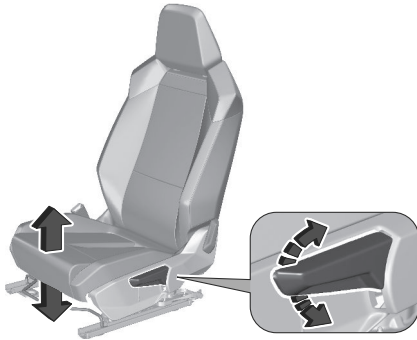
Drive only with engaged seats and backrests.

## Backrest Inclination



Push the lever backwards. Lean on the backrest to obtain the desired angle.

## Seat Height



Lever pumping motion

**up** seat higher

**down** seat lower

## Heated Seats



Adjust the heating to the desired setting by pressing the button for the respective seat one or more times. The control indicator in the button indicates the setting.

The heating works only when the outside temperature is below 20 °C. Prolonged use of the highest setting for people with sensitive skin is not recommended.

Seat heating is operational when the engine is running.

During an Autostop, seat heating is also operational.

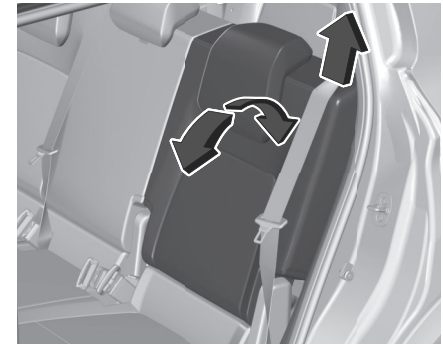
## Rear Seats

Drive only with engaged seats and backrests.

### ⚠ WARNING

Never adjust seats while driving as they could move uncontrollably.

## Folding The Backrest Second Row



Pull the loop, adjust inclination and release the loop. Do not lean on the backrest when adjusting.

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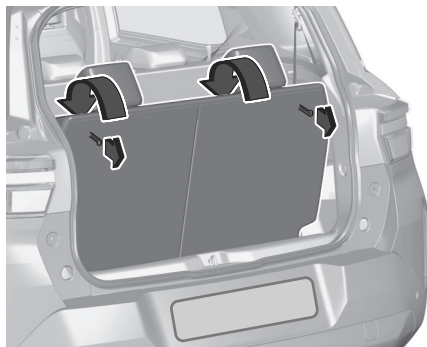
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## Folding The Backrest Third Row



Pull the loop, adjust inclination and release the loop. Do not lean on the backrest when adjusting.

## Repositioning The Backrest

### ⚠ WARNING

First check that the outer seat belts are lying vertically flat alongside the backrest latching rings.

- Put the backrest in the upright position and push it firmly to latch it home.
- Check that the release strap has correctly returned to its position.

- Ensure that the outer seat belts were not trapped during the operation.

### ⚠ WARNING

Please note: an incorrectly latched backrest compromises the safety of passengers in the event of sudden braking or an accident. The contents of the boot may be thrown forwards - risk of serious injury!

## Seat Belts



The seat belts are locked during heavy acceleration or deceleration of the vehicle, holding the occupants in the seat position. Therefore the risk of injury is considerably reduced.

### ⚠ WARNING

Fasten seat belt before each trip. In the event of an accident, people not wearing seat belts endanger their fellow occupants and themselves.

Seat belts are designed to be used by only one person at a time.

Child restraint system → 30

Periodically check all parts of the seat belt system for damage, soiling and proper functionality.

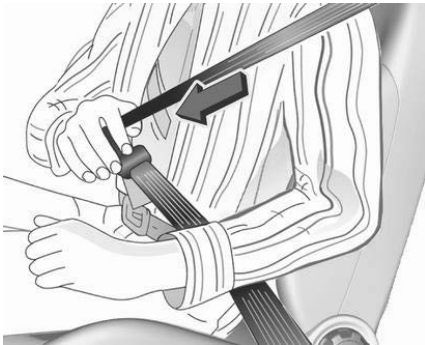
Have damaged components replaced. After an accident, have the seat belts and triggered seat belt pretensioners replaced by a workshop.

### i NOTE

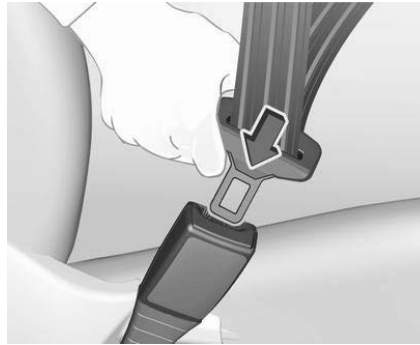
Make sure that the seat belts are neither damaged by shoes or sharp-edged objects nor trapped. Prevent dirt from getting into the seat belt retractors.

**i NOTE**

Use the belt buckle intended for the respective seat belt when fastening in order to ensure proper functionality.

**Three-Point Seat Belt****Fasten**

Withdraw the seat belt from the retractor, guide it untwisted across the body and insert the latch plate into the buckle. Make sure the seat belt lies across the shoulder and fits tightly to the body while driving.

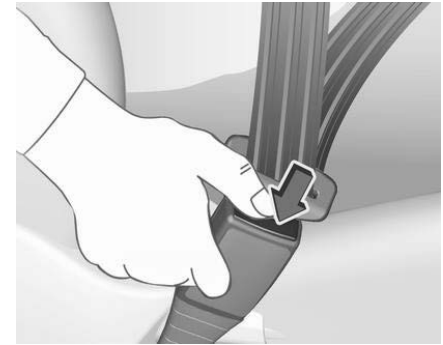


Loose or bulky clothing prevents the seat belt from fitting snugly. Do not place objects such as handbags or mobile phones between the seat belt and your body.

**⚠ WARNING**

The seat belt must not rest against hard or fragile objects in the pockets of your clothing.

Seat belt reminder → 26

**Unfasten**

To release seat belt, press red button on seat belt buckle and guide the seat belt back.

**Using The Seat Belt While Pregnant**

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**⚠ WARNING**

The lap seat belt must be positioned as low as possible across the pelvis to prevent pressure on the abdomen.

**Belt Pretensioners**

In the event of a head-on, rear-end or side-on collision of a certain severity, the front seat belts and the outer rear seat belts are tightened by seat belt pretensioners.

**⚠ WARNING**

Incorrect handling (e.g. removal or fitting of seat belts) can trigger the belt pretensioners.

The deployment of the belt pretensioners is indicated by continuous illumination of the control indicator. Triggered belt pretensioners must be replaced by a workshop. Belt pretensioners can only be triggered once.

**ℹ NOTE**

Do not affix or install accessories or other objects that may interfere with the operation of the belt pretensioners. Do not make any modifications to belt pretensioner components as this will invalidate the vehicle operating permit.

**Seat Belt Reminder**

Each seat is equipped with a seat belt reminder, indicated by a control indicator for the respective seat in the overhead console.

**Belt Force Limiters**

Stress on the body is reduced by the gradual release of the seat belt during a collision.

**Airbag System**

The airbag system consists of a number of individual systems depending on the scope of equipment. When triggered, the airbags inflate within milliseconds. They also deflate so quickly that it is often unnoticeable during the collision.

**⚠ WARNING**

The airbag system deploys in an explosive manner, repairs must be performed by skilled personnel only.

**⚠ WARNING**

Adding accessories that change the vehicle frame, bumper system, height, front end or side sheet metal, may keep the airbag system from working properly. The operation of the airbag system can also be affected by changing any parts of the front seats, seat belts, airbag sensing and diagnostic module, steering wheel, instrument panel, inner door seals including the speakers, any of the airbag modules, ceiling or pillar trim, front sensors, side impact sensors or airbag wiring.

**⚠ WARNING**

Keep the area in which the airbag inflates clear of obstructions.

**i NOTE**

The airbag systems and belt pretensioner control electronics are located in the centre console. Do not put any magnetic objects in this area.

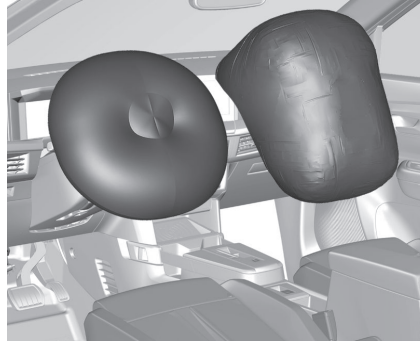
Do not affix any objects onto the airbag covers and do not cover them with other materials. Have damaged covers replaced by a workshop. Each airbag is triggered only once. Have deployed airbags replaced by a workshop. Furthermore, it may be necessary to have the steering wheel, the instrument panel, parts of the panelling, the door seals, handles and the seats replaced. Do not make any modifications to the airbag system as this will invalidate the vehicle operating permit.

**Front Airbag System**

The front airbag system consists of one airbag in the steering wheel and one on the cluster on the front passenger side. These can be identified by the word **AIRBAG**.

The front airbag system is triggered in the event of a front-end impact of a

certain severity. The ignition must be switched on.



The inflated airbags cushion the impact, thereby reducing the risk of injury to the upper body and head of the front seat occupants considerably.

**⚠ WARNING**

Optimum protection is only provided when the seat is in the proper position.

Fasten the seat belt correctly and engage securely. Only then is the airbag able to protect.

**Side Airbag System**

The side airbag system consists of an airbag in each front seat backrest.

This can be identified by the word **AIRBAG**.

The side airbag system is triggered in the event of a side impact of a certain severity. The ignition must be switched on.



The inflated airbags cushion the impact, thereby reducing the risk of injury to the upper body and pelvis in the event of a side-on collision considerably.

**i NOTE**

Only use protective seat covers that have been approved for the vehicle. Be careful not to cover the airbags.

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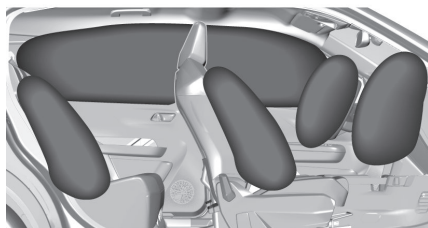
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## Curtain Airbag System

The curtain airbag system consists of an airbag in the roof frame on each side. This can be identified by the word **AIRBAG** on the roof pillars.

The curtain airbag system is triggered in the event of a side-on impact of a certain severity. The ignition must be switched on.



The inflated airbags cushion the impact, thereby reducing the risk of injury to the head in the event of a side-on impact considerably.

### **WARNING**

The hooks on the handles in the roof frame are only suitable for hanging up light articles of clothing, without

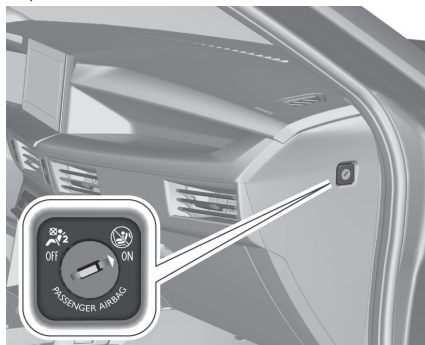
coat hangers. Do not keep any items in these clothes.

## Airbag Deactivation

The front passenger airbag system must be deactivated for child restraint system on the passenger seat according to the instructions in the table.

The side airbag and curtain airbag systems, the belt pretensioners and all driver airbag systems will remain active. The front passenger airbag system can be deactivated via a key-operated switch on the passenger side of the cluster.

Child Restraint Installation Locations



Use the ignition key to choose the position:

**OFF**



front passenger airbag is deactivated and will not inflate in the event of a collision. Control indicator illuminates continuously in the centre console

**ON** 

front passenger airbag is active

### **DANGER**

Deactivate passenger airbag only in combination with the use of a child restraint system, subject to the instructions and restrictions in the table. Otherwise, there is a risk of fatal injury for a person occupying a seat with a deactivated front passenger airbag.



If the control indicator ON illuminates for approx. 60 seconds after the ignition is switched on, the front passenger airbag system will inflate in the event of a collision.

If the control indicator OFF illuminates after the ignition is switched on, the front passenger airbag system is deactivated. It stays on while the airbag is deactivated.

If both control indicators are illuminated at the same time, there is a system failure. The status of the system is not discernible, therefore no person is allowed to occupy the front passenger seat. Contact a workshop immediately. Consult a workshop immediately if neither of the two control indicators are illuminated.

Change status only when the vehicle is stopped with the ignition off.



### ⚠ DANGER

**NEVER** use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

**EN:** NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

**DE:** Montieren Sie auf einem Sitz mit AKTIVIERTEM Front-Airbag

**NIEMALS** einen Kindersitz oder eine Babyschale entgegen der Fahrtrichtung, das Kind könnte schwere oder sogar tödliche Verletzungen erleiden.

**FR:** NE JAMAIS installer de système de retenue pour enfants faisant face vers l'arrière sur un siège protégé par un COUSSIN GONFLABLE frontal ACTIVÉ. Cela peut provoquer la MORT de l'ENFANT ou le BLESSER GRAVEMENT.

**ES:** NO INSTALAR NUNCA un sistema de retención para niños de espaldas al sentido de la marcha en un asiento protegido mediante un AIRBAG frontal ACTIVADO, ya que podría causar lesiones GRAVES o incluso la MUERTE del niño.

**IT:** NON installare MAI seggiolini per bambini posizionati in senso contrario a quello di marcia su un sedile protetto da un AIRBAG frontale ATTIVATO. Ciò potrebbe provocare la MORTE o FERITE GRAVI al bambino.

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## Child Restraints

### General Recommendations

#### WARNING

When carrying children in the vehicle, you must install them in a suitable seat. **Never carry a child on your lap.**

#### WARNING

An incorrectly installed child seat in a vehicle compromises the child's safety in the event of an accident. Make sure to comply with the instructions hereinafter and the ones provided with the child seat.

#### NOTE

The regulations on carrying children are specific to each country. Refer to the legislation in force in your country.

For maximum safety, please observe the following recommendations:

- In accordance with European regulations, **all children under the age of 12 years old or less than 1.5 meters tall must travel in approved child seats suited to their size or weight**, on seats fitted with a seat belt or ISOFIX mountings.
- **Children aged 15 months or less must travel in the "rearward facing" position, whether in the front or rear of the vehicle.** The use of "rearward facing" seats is recommended for children until the age of 3.
- **Statistically, the safest seats in your vehicle for carrying children are the rear seats.**

#### WARNING

Do not affix anything on the child restraint systems and do not cover them with any other materials. A child restraint system which has been subjected to stress in an accident must be replaced.

#### NOTE

##### Seatbelts

Ensure that there is no seat belt or seat belt buckle under the child seat, as this could destabilize it.

When installing a child seat on a rear seat, ensure that the seat does not interfere with the operation of the seatbelt on the rear center seat. Ensure that the seatbelt is properly positioned and tighten it or the child seat harness keeping the slack relative to the child's body to a minimum, even for short journeys.

#### WARNING

##### Headrests

Remove the head restraint before installing a child seat with a backrest or a Top Tether system on a passenger seat.

Ensure that the head restraint is stored or attached securely to prevent it from being thrown around the vehicle in the event of sharp braking. Refit the head restraint

once the child seat has been removed.

### ⚠ WARNING

#### Additional protections

Allow children to enter and exit the vehicle only on the side facing away from the traffic.

To prevent accidental opening of the doors and rear windows, use the "Child lock".

Take care not to open the rear windows by more than one third.

To protect young children from the sun's rays, fit side blinds on the rear windows.

As a safety measure, do not leave:

- A child alone and unsupervised inside a vehicle.
- A child or an animal in a vehicle which is exposed to the sun, with the windows closed.
- The keys within reach of children inside the vehicle.

## Child Restraint Installation On A Front Seat

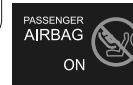
### ⚠ WARNING

The front passenger airbag must be deactivated before installing a rearward-facing child seat. Otherwise, the child risks being seriously injured or killed if the airbag is deployed.



### ⚠ WARNING

The front passenger airbag must be activated when installing a forward-facing child seat.



### NOTE

Adjust the front passenger seat to the **highest and fully back longitudinal position, with the backrest straightened.**



## Child Restraint Installation On A Rear Seat

Forward-facing or rearward-facing



- Move the vehicle's front seat forward and straighten the backrest so that the legs of the child in the forward-

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facing or rearward-facing child seat itself do not touch the vehicle's front seat.

- Check that the backrest of the forward-facing child seat is as close as possible to the backrest of the vehicle's rear seat, and ideally in contact with it.

### Center rear seat

A child seat with a support leg must never be installed on the center rear passenger seat.

### Seat-Specific Recommendations

#### **⚠ WARNING**

#### **Installing a booster seat**

The chest part of the seat belt must be positioned on the child's shoulder without touching the neck.

Ensure that the lap part of the seat belt passes correctly over the child's thighs.

Use a booster seat with a backrest, equipped with a belt guide at shoulder level.

#### **⚠ WARNING**

#### **Installing a Child Seat with support leg.**

Ensure that the Support Leg is in firm and steady contact with the floor.

**Never install a seat with support leg on the center rear passenger seat.**

### Three-Point Seat Belt

Child restraint systems can be fastened by using a three-point seat belt. After fastening the child restraint system the seat belt has to be tightened ➡ 35.

### "ISOFIX" Brackets



Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX brackets. Specific vehicle ISOFIX child restraint system positions are marked in the child restraints table.

ISOFIX brackets are indicated by a label on the backrest. To get access to the ISOFIX brackets, first pull the zipper.

An i-Size child restraint system is an universal ISOFIX child restraint system according to UN Regulation No. 129. All i-Size child restraint systems can be used on any vehicle seat suitable for i-Size, child restraint installation table ➡ 35.

When fastening ISOFIX child restraint systems on adjustable passenger

seats, first incline the backrest as far as necessary backwards in order to get access to the ISOFIX brackets.

After the proper fastening of the ISOFIX child restraint system, incline the backrest forward again.

Either a Top-tether strap or a support leg must be used in addition to the ISOFIX brackets.

i-Size child seats and vehicle seats with i-Size approval are marked with i-Size symbol, see illustration.



### Top-Tether Anchors



Top-tether anchors are marked with a symbol for child seat.

In addition to the ISOFIX brackets, fasten the Top-tether strap to the Top-tether anchors.

ISOFIX child restraint systems of universal category positions are marked in the table. ⇨ 35

### Recommended Child Seats

#### **WARNING**

An incorrectly installed child seat in a vehicle compromises the child's safety in the event of an accident. Strictly observe the fitting instructions provided in the user guide supplied with the child seat.

#### "RÖMER Baby-Safe PRO"

Size: 40 - 85 cm



#### **From birth to 18 months**

(up to 13 kg)

Recommended with its ISOFIX base.

#### "RÖMER Baby-Safe PRO"

Size: 40 - 85 cm

Suitable for "rearward facing" installation only.

#### "RÖMER TriFix 2 i-Size"

Size: 76 - 105 cm



#### **From 15 months to 4 years**

(from 9 to 22 kg)

Installed with ISOFIX and Top Tether mountings.  
Suitable for "forward facing" installation only.

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**"RÖMER KidFix i-Size" Child seats**  
 Size: 100 - 138 cm



**From 3.5 to 12 years**

(from 15 to 36 kg)

Can be installed with or without  
 ISOFIX mountings.

The child is restrained by the seat  
 belt.

**Bought in Stellantis & You, Sales  
 and Services**

**We recommend using child seat  
 with the backrest. If the backrest  
 is removed for child over 138 cm,  
 the secure guard must also be  
 removed.**

**i NOTE**

Please follow the child restraint  
 manufacturer's instructions for in-  
 stallating the appropriate child  
 restraint in the vehicle.

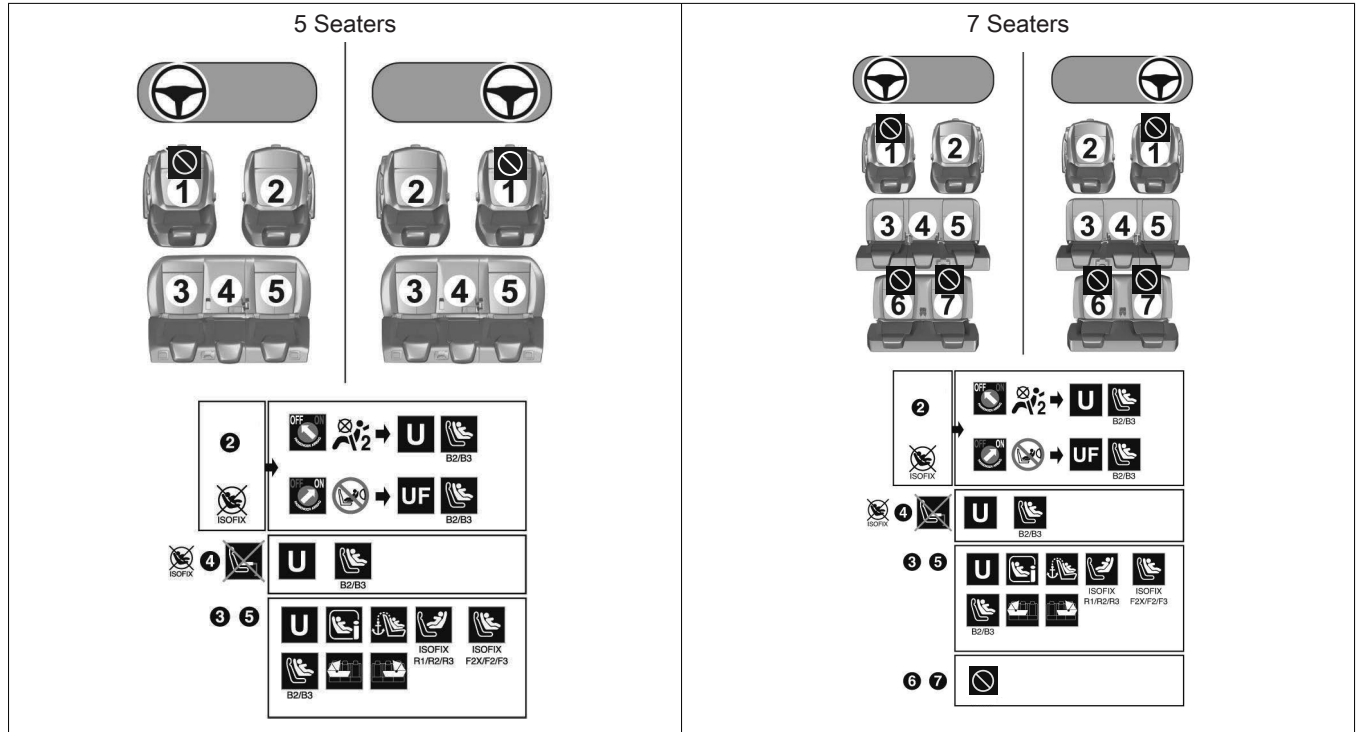
**i NOTE**

For the semi-universal or vehicle  
 specific child restraint (ISOFIX or  
 belt-type child restraint), refer to the  
 list of the vehicles provided in the  
 child restraint user manual.

**i NOTE**

Ensure that the installation location  
 of the child restraint system inside  
 the vehicle is correct.  
 Refer to the summary table for the  
 installation of child seats.

# Child Restraint Installation Locations



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## Key



Seat position where the installation of a child seat is forbidden.



Front passenger airbag **deactivated**.



Front passenger airbag **activated**.



Seat position suitable for the installation of a child seat secured using the seat belt and universally approved "**rearward facing**" and/or "**forward facing**" (**U**) for groups **0, 0+, 1, 2** or **3** or dedicated to children between 40 to 150 cm in size.



Seat position suitable for the installation of a child seat secured using the seat belt and **universally approved "forward facing" (UF)** for groups **1, 2** and **3**, or dedicated to children between 76 and 150 cm in size only.



Seat position authorised for the installation of an **i-Size** child seat.



Seat position authorised for the installation of a "**forward facing**" **i-Size** child seat



Seat position not suitable for the installation of a child seat with support leg.



Presence of a **Top Tether** anchorage point at the rear of the backrest, authorising the installation of an **universal ISOFIX child seat**.



Presence of a **TOP TETHER** anchorage point at the rear of the backrest, authorizing the installation of a "**forward facing**" **universal ISOFIX child seat**.



"Rearward facing" **ISOFIX** child seat:

- **R1: ISOFIX** child seat for a **baby**
- **R2: ISOFIX reduced size** child seat.
- **R3: ISOFIX** large size child seat



"Forward facing" **ISOFIX** child seat:

- **F2X: ISOFIX** child seat **for toddlers.**
- **F2: ISOFIX reduced height** child seat.
- **F3: ISOFIX full height** child seat.



**Booster** child seat, using seat belt or **ISOFIX** mountings:

- **B2: reduced width booster seat.**
- **B3: full width booster seat.**



Seat position where the installation of an **ISOFIX** child seat is forbidden.

For seat adjustments, refer to the summary table "**Installing universal, ISOFIX and i-Size child seats**".



Seat position authorised for the installation of an **ISOFIX** child seat.



**ISOFIX** "carrycot" type child seat :

- **L1** : left-hand facing.
- **L2** : right-hand facing.

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In compliance with European regulations, this table indicates the options for installing child seats secured using the seat belt and universally approved (a) as well as the largest ISOFIX and i-Size child seats on seat positions equipped with ISOFIX mountings in the vehicle.

**Yes** : Suitable for fitment of the designated category of the child restraint system.

**No** : Not suitable for fitment of the designated category of the child restraint system.

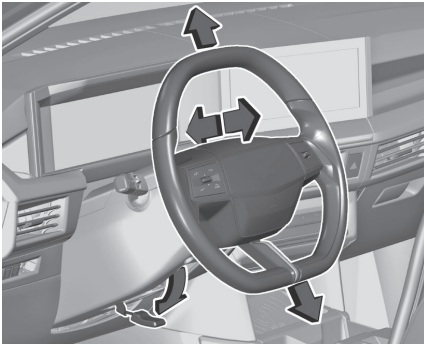
	Seat numbers							
	Front seats <sup>(b)</sup>			Rear seats <sup>(b)</sup> row 2			Rear seats <sup>(b)</sup> row 3	
	1	2		3	4	5	6	7
Front passenger airbag		Deactivated "OFF" <sup>(c)</sup>	Activated "ON" <sup>(d)</sup>					
Position compatible with a <b>universal<sup>(a)</sup> child seat Rearward Facing<sup>(e)</sup></b>	no	yes <sup>(h)</sup>	no	yes	yes <sup>(i)</sup>	yes	no	no
Position compatible with a <b>universal<sup>(a)</sup> child seat Forward Facing<sup>(f)</sup></b>	no	yes <sup>(h)</sup>		yes	yes <sup>(i)</sup>	yes	no	no
Position compatible with an <b>i-Size child seat Rearward Facing</b>	no	no		yes	no	yes	no	no
Position compatible with an <b>i-Size child seat Forward Facing</b>	no	no		yes	no	yes	no	no
Position compatible with a <b>TOP TETHER</b> hook	no	no		yes	no	yes	no	no
<b>"Carycot"</b> type of child seat (L1 / L2)	no	no		L2 <sup>(g)</sup>	no	L1 <sup>(g)</sup>	no	no
<b>"Rearward facing" ISOFIX</b> child seat (R1/R2/R3)	no	no		R3 <sup>(k)</sup>	no	R3 <sup>(k)</sup>	no	no
<b>"Forward facing" ISOFIX</b> child seat (F1/F2X/F3)	no	no		F3 <sup>(k)</sup>	no	F3 <sup>(k)</sup>	no	no

	Seat numbers						
	Front seats <sup>(b)</sup>		Rear seats <sup>(b)</sup> row 2			Rear seats <sup>(b)</sup> row 3	
	1	2	3	4	5	6	7
"Booster" child seat (B2 / B3) <sup>(n)</sup>	no	B3 <sup>(h)</sup> (l) (k) (m)	B3 <sup>(k)</sup>	B3 <sup>(i)</sup> (j) (l) (k)	B3 <sup>(k)</sup>	no	no

- (a) Universal child seat: child seat that can be installed in all vehicles using the seat belt.
- (b) Depending on version, refer to the legislation in force in your country before installing a child in this seat position.
- (c) To install a **"rearward facing"** child seat at this seat position, the front passenger airbag **MUST** be deactivated **"OFF"**.
- (d) Only a **"forward facing"** child seat is authorized at this seat position with the front passenger airbag activated **"ON"**.
- (e) For a **"rearward facing"** and/or **"forward facing"** universal child seat (U) for groups **0, 0+, 1, 2** or **3** or dedicated to children
- between 40 cm and 150 cm in height.
- (f) For a **"forward facing"** universal child seat (UF) in groups **1, 2** or **3**, or dedicated to children between 76 cm and 150 cm in height only.
- (g) If a lateral facing child restraint system is installed on the outer seat of the second row the use of the other seating positions in this row is excluded.
- (h) Adjust the front passenger seat to the fully rearward longitudinal position.
- (i) A child seat with a support leg must never be installed on the centre rear passenger seat.
- (j) If a booster child restraint system is installed on the center seat the left seating position **4** must not be occupied.
- (k) Adjust the headrest to the maximum height position or remove it if necessary.
- (l) Seats not fitted with ISOFIX compliant mountings.
- (m) For seats with integrated head restraint: in case of interference between child seat and integrated head restraint adjust the seat backrest to a less upright position.
- (n) It is not possible to install 3 booster child seats on the rear seats at the same time.

**Rules:**

- A position that is i-Size compatible is also compatible for R1, R2 and F2X, F2, B2.
- A position that is R3 compatible is also compatible for R1 and R2.
- A position that is R2 compatible is also compatible for R1.
- A position that is F3 compatible is also compatible for F2X and F2.
- A position that is B3 compatible is also compatible for B2.

**Steering Wheel****Steering Wheel Adjustment**

Unlock the lever, adjust the steering wheel, then engage the lever and ensure it is fully locked. Do not adjust the steering wheel unless the vehicle is stationary and the steering wheel lock has been released.

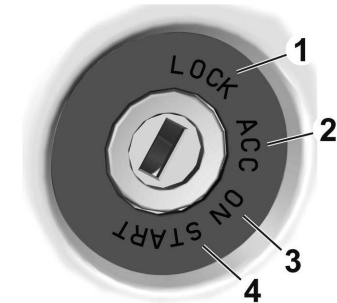
**Steering Wheel Controls**

The cluster menu, some driver assistance systems, the Infotainment system and a connected mobile phone can be operated via the controls on the steering wheel.

Advanced driving assistance systems

⇨ 130

Infotainment System ⇨ 83

**Horn****Ignition Switch**

1 inserting and removing the key, steering wheel locked

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- 2 ignition off: some functions remain active until key is removed or driver's door is opened, provided the ignition was on previously, steering wheel unlocked
- 3 ignition on power mode: ignition is on, engine running, control indicators illuminate and most electric functions are operable, steering wheel unlocked
- 4 engine start: release key after engine has been started

## Power Button



## Wipers And Washers

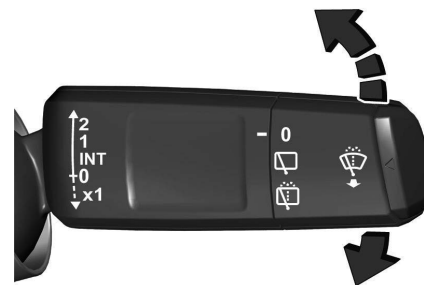
### **i** NOTE

With the wiper lever in position AUTO or INT, 1 or 2 and the ignition switched on after more than one minute: When the outside temperature is below +3°C, the windscreen wiper activates only at a speed above 10 km/h. When the outside temperature is above +3°C, the windscreen wiper activates immediately.

### **i** NOTE

In position 1 or 2, the wiping frequency is automatically reduced at a speed below 5 km/h and returns to the original frequency at a speed above 10 km/h.

## Windshield Wiper With Adjustable Wiper Frequency



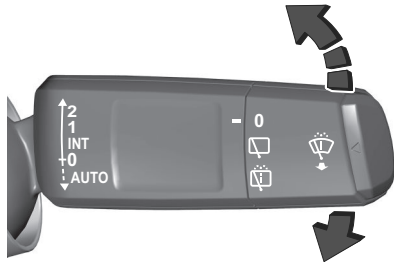
- 2 : fast
- 1 : slow
- INT : interval wiping
- 0 : off
- x1 : single wipe

Do not use if the windscreen is frozen. Switch off in car washes. To activate interval wiping mode the next time the ignition is switched on, press the lever downwards to position OFF and back to INT.

## Wiper frequency

Wiper lever in position **INT**, the wiping frequency is depending of the speed of the vehicle.

## Windshield Wiper With Rain Sensor



**2** : fast

**1** : slow

**INT** : interval wiping

**0** : off

**AUTO** : automatic wiping with rain sensor

In **AUTO** position, the rain sensor detects the amount of water on the

windscreen and automatically regulates the frequency of the windscreen wiper. If the ignition is switched off, automatic wiping mode is deactivated. To activate automatic wiping mode the next time the ignition is switched on, press the lever downwards to position **OFF** and back to **AUTO**.

Do not use if the windscreen is frozen. Switch off in car washes.

## Adjustable sensitivity of the rain sensor



Wiper lever in position **AUTO**.

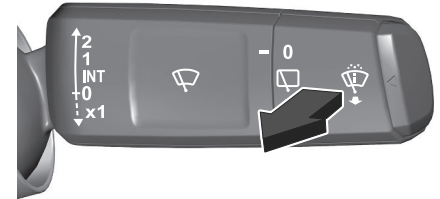
In **AUTO** position, the rain sensor detects the amount of water on the windscreen and automatically regulates the frequency of the windscreen wiper.

The sensitivity can be adjusted with the switch on the stalk. Push upwards to increase and downwards to decrease sensitivity.

Make sure the sensor is not blocked  
 ⇨ 17.

Control indicator ⇨ 102.

## Windshield Washer



Pull and hold the wiper control stalk towards you beyond the point of resistance.

A final wiping cycle is performed when screenwashing ends.

For single wipe, pull the wiper control stalk towards you without going beyond the point of resistance.

Washer fluid ⇨ 178

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## Rear Window Wiper And Washer

### Rear Window Wiper




- 0** : off
-  : intermittent wiping
-  : screen wash

Do not use if the rear window is frozen or when a bicycle carrier is used. Switch off in car washes. The rear window wiper comes on automatically when the windscreen wiper is switched on and reverse gear is engaged.

### Rear Window Washer

Select .

Washer fluid is sprayed onto the rear window and rear view camera and the wiper wipes as long as  is selected. Washer fluid → 178

### Special Position Of The Windshield Wipers

This maintenance position is used while cleaning or replacing the wiper blades. It can also be useful, in wintry weather (ice, snow), to release the wiper blades from the windshield. → 184

#### NOTE

To maintain the effectiveness of the flat wiper blades, it is advisable to:

- handle them with care
- clean them regularly using soapy water
- avoid using them to hold cardboard on the windshield
- replace them at the first signs of wear

#### CAUTION

**NEVER** attempt to move the wipers manually. This can cause permanent damage to the mechanism.

Operating the wiper control stalk immediately after switching off the ignition will place the wiper blades in a vertical position.

- Proceed with the desired operation or the replacement of the wiper blades.

### Stowing Of The Wiper Blades

- To return the wiper blades to their initial position after the operation, switch on the ignition and operate the wiper control stalk.

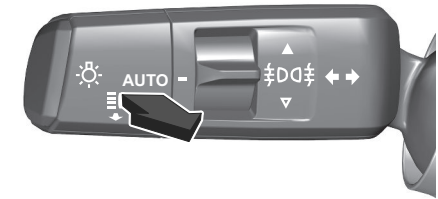
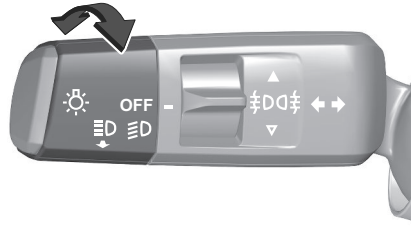
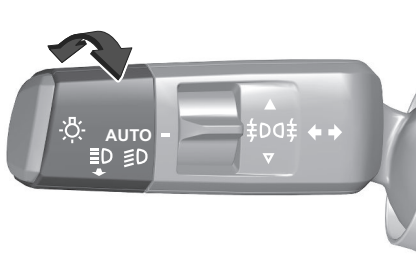
## Exterior Lighting

### Lighting Control

#### WARNING


Do not look directly into the LED headlights. Risk of eye damage.

Depending on version:




Turn the light switch:

**AUTO** automatic light control switches automatically between daytime running light and headlight

 low beam / high beam

Turn the light switch:

**OFF** Turn off lights

 low beam / high beam

Control indicator  64

## Tail Lights

Tail lights are illuminated together with low / high beam and sidelights.

## High Beam

To activate or deactivate the high beam, pull the lever two times.

## High Beam Assist

The system switches from low beam to high beam and vice versa to prevent glaring. Once activated, high beam assist remains active and switches high beam on and off depending on surrounding conditions. The latest setting of the high beam assist will remain set after the ignition is switched on again.

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### Activation

Turn the switch in the position: **AUTO**  
Depending on version: The high beam assist can be activated via the vehicle settings menu on the cluster.


High beam is switched on automatically in dark surroundings at a speed above 45 km/h. High beam is switched off at a speed below 35 km/h, but high beam assist remains active.

The green control indicator  illuminates continuously when the high beam assist is activated, the blue  illuminates when high beam is on.


### Deactivation


Depending on version: The system can be deactivated via the vehicle settings menu on the cluster.

### Fault

If the system does not work properly or is not available, e.g. during the initialization,  illuminates on the cluster.

It is accompanied by a message indicating that the sensors or the camera may be covered. Stop the vehicle and check, if these needs to be cleaned.

If  still illuminates after cleaning the camera, consult a workshop.

If  illuminates on the cluster after the engine has been switched off and then restarted, consult a workshop.

## Headlight Height Adjustment



To adapt headlight range to the vehicle load to prevent dazzling: turn thumb wheel to required position.

- 0 : front seats occupied
- 1 : all seats occupied
- 2 : all seats occupied with load compartment laden
- 3 : driver's seat occupied and load compartment laden
- 4 : not used

5 : not used

6 : not used

## Headlights When Driving Abroad

When driving in countries where traffic drives on the opposite side of the road, the headlights do not have to be adjusted.

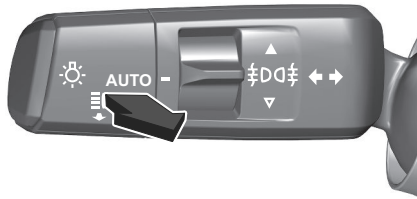
Contact your dealer or a qualified workshop.

## Daytime Running Lights

Daytime running lights increase visibility of the vehicle during daylight.

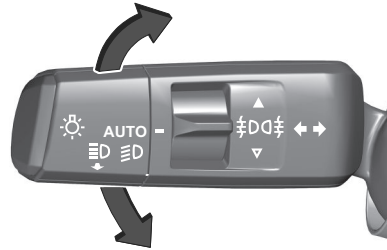
⇒ 44

## Headlight Flash



Pull to activate the headlight flash.  
Pull to deactivate the high beam.

## Turn Lights



**up** right turn light  
**down** left turn light

A resistance point can be felt when moving the indicator lever. Constant flashing is activated when the indicator lever is being moved beyond the resistance point. It is deactivated when the steering wheel is moved in the opposite direction or indicator lever is manually moved back to its neutral position. After 20 seconds the volume of the audible signal will increase if the speed is above 80 km/h.

Activate temporary flashing by holding the indicator lever just before the resistance point. Turn lights will flash until indicator lever is being released. To activate three flashes, tap the indicator lever briefly without passing the resistance point.

## Emergency Signals



Press the button to operate. When braking in an emergency, the hazard warning flashers are switched on automatically, depending on the force of deceleration. They are switched off automatically, as soon as the vehicle is accelerated again.

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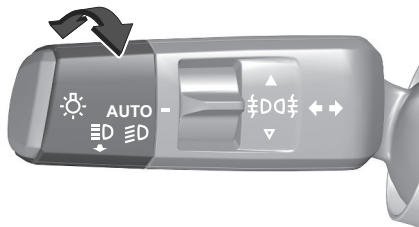
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## Automatic Light Control



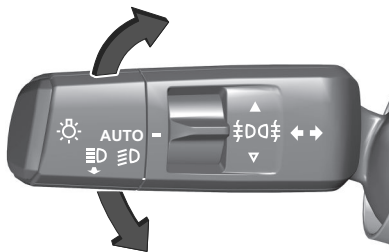
When the automatic light control function is switched on, the system switches between daytime running lights and headlights automatically depending on the external lighting conditions and information given by the wiper system.

### Automatic headlight activation

Turn the switch in position: **AUTO**

During poor lighting conditions the headlights are switched on. Additionally, headlights are switched on if the windscreen wipers have been activated for several wipes.

## Parking Lights



When the vehicle is parked, the parking lights on one side can be activated:

1. Switch off the ignition.
2. Move the lever all the way up (right parking lights) or down (left parking lights).

Confirmed by the corresponding turn light control indicator. The indicator will turn off automatically after a few minutes or when the doors are being locked.

### **i** NOTE

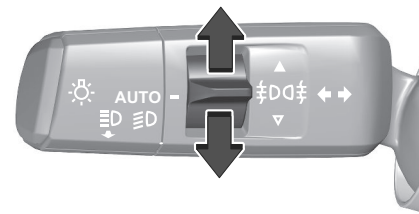
The parking lights stay on, until ignition will be switched on again. To

avoid battery drainage, do not use them for an extended period.

## Misted Light Covers

The inside of the light housing may mist up briefly in poor, wet and cold weather conditions, in heavy rain or after washing. The mist disappears quickly by itself. To help, switch on the headlights.

## Front Fog Lights



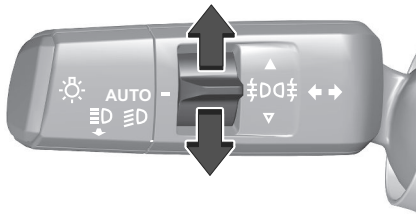
Push the switch up once to switch on the front fog lights. Push the switch down once to switch off the front fog lights.

Light switch in position **AUTO**: switching on front fog lights will switch headlights on automatically.

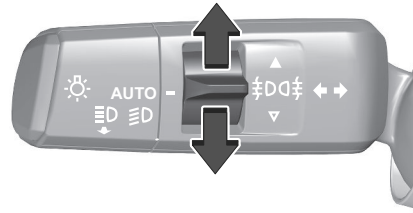
The fog lights should only be used in very bad visibility conditions like fog, snow or heavy rain.

## Rear Fog Lights

Depending on version:



Push the switch up to switch on the rear fog light.  
Push the switch down to switch off the rear fog light.



Push the switch up twice to switch on the rear fog light.

Push the switch down twice to switch off the rear fog light.

Light switch in position **AUTO**: switching on rear fog light will switch headlights on automatically.

The vehicle rear fog light is deactivated when towing a trailer or a plug is connected with the socket, e.g. when a bicycle carrier is used.

## Intelli-Lux HD Headlights

The Intelli-Lux HD headlight system contains a variety of particular LEDs in each headlight which enables the control of the adaptive forward lighting functions.

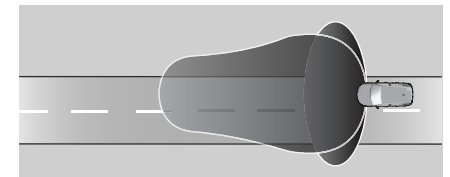
Light distribution and intensity of light are variably triggered depending on the lighting conditions, road type and driving situation. The vehicle adapts the headlights automatically to the situation to enable optimal light performance for the driver.

The adaptive forward lighting and the Intelli-Lux HD headlights functions can be deactivated or activated in the Infotainment screen and by switching off or on the automatic light control.

Infotainment screen 83

The following functions are available if the adaptive forward lighting is activated on the Infotainment screen and the light switch is in **AUTO**.

### Pedestrian light



Activated automatically when the vehicle starts moving and up to a speed

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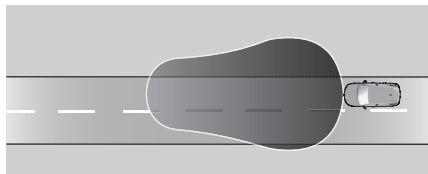
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of 25 km/h. This light is designed to enhance visibility of pedestrians on the sides of the vehicle.

### Town light

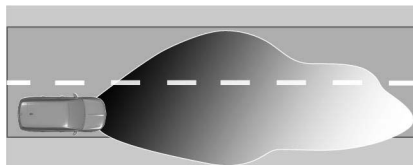


Activated automatically at a speed above 25km/h and deactivated after a few seconds with a speed above 50 km/h. The light is wide to better recognize hazards along the road, e.g. pedestrians, crossings.

### Motorway light

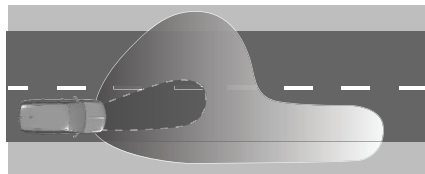
Low beam illumination is adapted to the higher speed driven on motorways.

### Country light



Activated automatically after a small delay when above 50 km/h when driving in rural areas. The illumination of the current lane and the side of the road is adapted. Oncoming and preceding vehicles are not dazzled.

### Adverse weather light



Activated automatically when the weather conditions are met:

- the vehicle speed is between 0 km/h and 70 km/h,
- the rear fog light is off,
- the windshield wipers are activated for more than two minutes.

The light is widened to better recognize the lane markings and the low beam is

dimmed to avoid dazzling the oncoming traffic.

### Fog mode

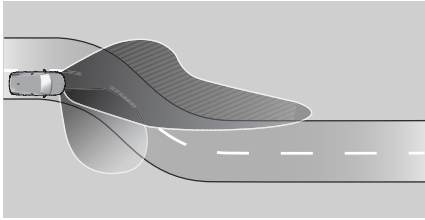
Activated automatically when the rear fog light is switched on. This mode is designed to enhance driver visibility in foggy conditions.

### Cornering light



Activated at a speed of up to approx. 40 km/h when turning off. Depending on the steering wheel angle and the turn lights, a particular LED light function is triggered which illuminates the direction of travel.

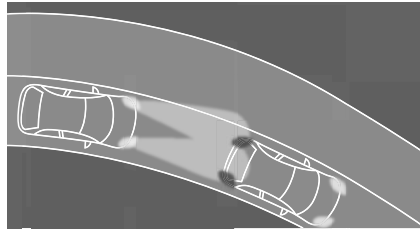
## Curve light



Particular LEDs, based on steering angle and speed, are additionally triggered to improve lighting in curves. This function is activated at speeds up to approx. 70 km/h.

## Glare-free high beam

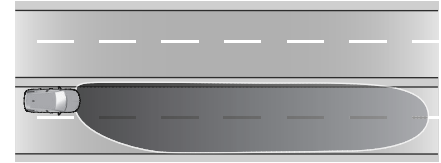
Glare-free high beam is switched on automatically at a speed above 45 km/h. It is switched off at a speed below 35 km/h, but remains in standby mode.



When entering a lit area, the light segments gradually fade from the outside to the inside and switch to low beam.

When exit a lit area, the light segments gradually fade from the inside to the outside and switch to high beam, with or without a tunnel, depending on traffic conditions.

## Motorway mode



Activated automatically with Glare-Free High Beam and when highway driving is detected. Illumination is adapted to avoid dazzling the oncoming traffic which can be partially hidden behind roadside separations.

## Traffic sign anti-glare

Activated automatically, together with Glare-Free High Beam. . This mode is designed to minimize glare from traffic signs.

## Fault in LED headlight system

When the system detects a failure in the LED headlight system, it selects a preset position to avoid dazzling of

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oncoming traffic. A warning is displayed on the cluster.

After reconnecting the vehicle battery, the system needs a recalibration by driving a short distance.

## Interior Lighting

### Instrument Panel Lighting

The brightness of the following lights can be adjusted via the vehicle settings menu on the cluster or the settings app on the Information Display when the exterior lights are on:

- cluster illumination
- Information Display
- illuminated switches and operation elements

### Interior Lights

#### **i** NOTE

In the event of an accident with airbag deployment the courtesy lights are turned on automatically.

### Courtesy lights

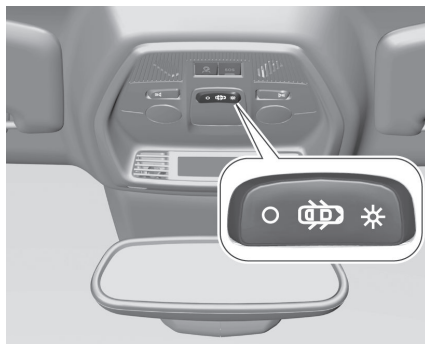
Operate rocker switch:

Leave the switch to its middle position: automatic switching **ON** and **OFF**

Press the switch on the right: **ON**

Press the switch on the left: **OFF**

### Front courtesy light



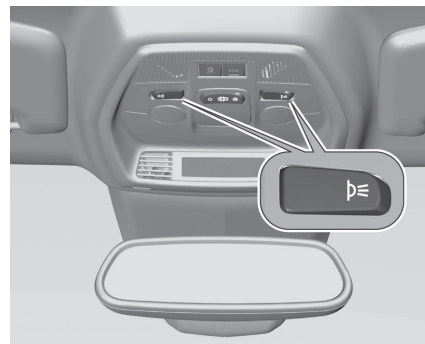
### Rear courtesy lights



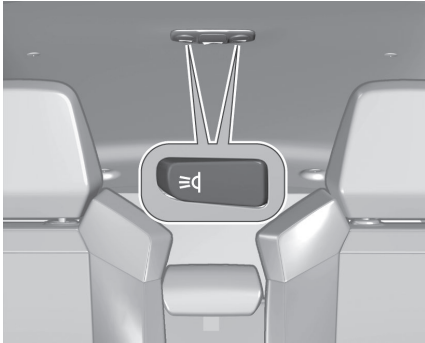
### Reading Lights

Operated by pressing the button.

### Front reading lights



## Rear reading lights



## Lighting Features

### Centre Console Lighting

A spotlight integrated in the overhead console illuminates the centre console when the headlights are switched on.

### Welcome Lighting

Some or all of the following lights are switched on for a short time by unlocking the vehicle:

- headlights
- tail lights
- number plate lights
- centre console lighting
- interior lights

The number of activated lights depends on the surrounding light conditions. The lighting switches off immediately when the ignition is switched on. Activation, deactivation and the duration of the function are set via the vehicle settings menu on the cluster. The following lights will additionally switch on when the driver's door is opened:

- illumination of some switches
- cluster
- door pocket lights

### Guide Me Home

The following lights are switched on if the ignition is switched off:

- headlights
- interior lights
- centre console lighting

They will switch off automatically after a delay.

This function works only in the dark.

Activation, deactivation and the duration of the function are set via the vehicle settings menu on the cluster.

The function can also be activated or deactivated by pulling the lever with the ignition off.

## Vehicle Locator Lighting

This function allows to locate the vehicle, e.g., in weak lighting conditions using the remote control. The headlights come on and the turn lights flash for ten seconds.

## Battery Discharge Protection

To prevent discharge of the vehicle battery when the ignition is switched off, some interior lights are switched off automatically after some time.

## Interior Storage And Features

### **WARNING**

Do not store heavy or sharp objects in the storage compartments.

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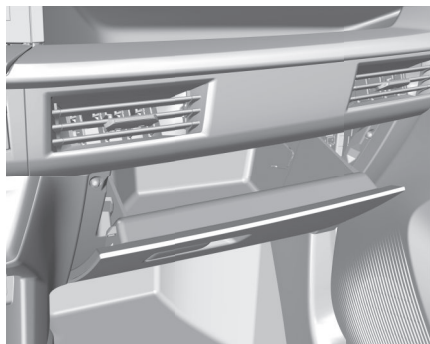
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## Glove Compartment



The glove box should be closed whilst driving.

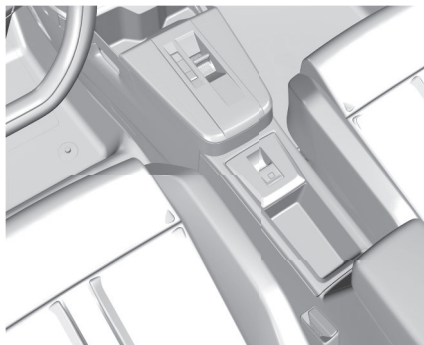
## Cupholders

Cupholders are located in the centre console.

## Centre Console Storage

The storage container can be used to store small items.

Depending on the version, the storage compartment is located under a cover.

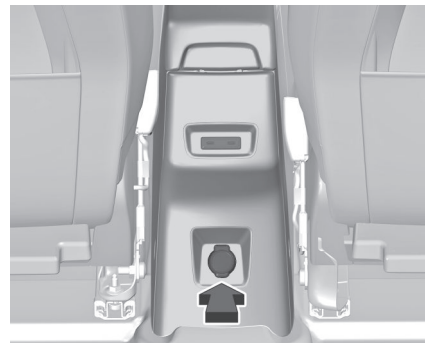


## Door Panel Storage

A storage compartment is located in the front and rear door panels.



## 12 V Power Outlet



Plug in a 12 V accessory (with a maximum rated power of 120 W) using a suitable adapter.

Observe the maximum power rating to avoid damaging the accessory.

Do not exceed the maximum power consumption of 120 W.

The 12 V power outlet is deactivated in the event of low vehicle battery voltage.

Electrical accessories that are connected must comply with the electromagnetic compatibility requirements laid down in DIN VDE 40 839.




Do not connect any current-delivering accessories, e.g. electrical charging devices or batteries.

Do not damage the outlet by using unsuitable plugs.

## USB Port



These symbols determine the type of use of a USB port:

-  Power supply and recharging.
-  To connect a portable device to the Infotainment system, use this port.
-  Likewise, plus use of smartphone applications with the touch screen.

The vehicle is fitted with two USB ports on the dashboard.

Two USB port on the 2<sup>nd</sup> row.

### NOTE

The ports must always be kept clean and dry.

### Front Storage

Depending on version, one or two storage compartments are located at the instrument panel.

A storage compartment for inductive charging is located beneath the instrument panel.

### Inductive Charging

#### WARNING

When using applications for a long time in combination with wireless charging, some smartphones may switch to thermal safety and cause some functions to stop.

#### WARNING

Inductive charging can affect the operation of implanted pacemakers or other medical devices. If applicable, seek medical advice before using the inductive charging device.

### WARNING

Remove any metal objects from the charging device before charging a mobile device, as these objects could become very hot.

To charge a mobile device:

This system allows wireless charging of a mobile device such as a smartphone, using the magnetic induction principle, in accordance with the Qi.

The mobile device to be charged must be compatible with the Qi standard, either by design or by using a compatible holder or shell.

To charge a mobile device:

1. Remove all objects from the charging device.
2. Place the mobile device on the charging area. Note that the mobile device must be placed between the positioning aids.

On some mobile devices, a back cover with an integrated coil or a jacket may be required to use inductive charging. A protective cover for the mobile device could have impact on the inductive charging.

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In the event that the mobile device is not charging properly, rotate it 180° and place it on the charging device again.

### **i** NOTE

The system may not function properly if the smartphone is fitted with a protective shell.

### Status LED

The LED indicates the current charging status.

#### illuminates green

The mobile device is charging.

#### Flashes orange

The mobile device has not been centred properly in the charging zone or an unknown object has been detected in the charging zone.

#### illuminates orange

There is a problem with the mobile device's battery or a fault of the inductive charger has been detected. If the problem persists, seek the assistance of a workshop.

## Load Compartment

The rear seat backrest is divided in two parts. Both parts can be folded down.

### **⚠** WARNING

When folding up, ensure that backrests are securely locked in position before driving. Failure to do so may result in personal injury or damage to the load or vehicle in the event of hard braking or a collision.

Before folding rear seat backrests, execute the following if necessary:

- Remove the load compartment cover ⇨ 56.
- Press and hold the catch to push the head restraints down ⇨ 20

Rear seats ⇨ 23

### Load Compartment Cover

#### Removing cover

To remove the cover:

1. Unhook the two cords.
2. Lift the cover, then remove it.

There are several ways of storing it:

- Either upright behind the front seats.
- Or flat on the bottom of the boot.

#### Stowing

The load compartment cover can be stored behind the rear seat backrests. Unhook retaining straps and lift the cover backwards until it unlatches. Then slide it down in the guides behind the seat backrests.

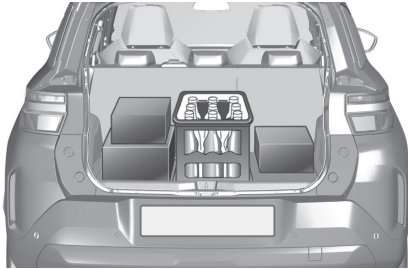
#### Fitting cover

Engage cover in side guides and fold downwards. Attach the retaining straps to the tailgate.

### Loading Information

### **⚠** WARNING

Always make sure that the load in the vehicle is securely stowed. Otherwise objects can be thrown around inside the vehicle and cause personal injury or damage to the load or car.



- Heavy objects in the load compartment should be placed against the seat backrests. Make sure that the backrests are securely engaged. If objects can be stacked, heavier objects should be placed at the bottom.
- Prevent sliding of loose objects by securing them with straps attached to the lashing eyes ⇨ 58.
- Do not allow the load to protrude above the upper edge of the backrests.
- Do not place any objects on the load compartment cover or the cluster, and do not cover the sensor on top of the instrument panel.
- The load must not obstruct the operation of the pedals, parking brake and gear selector, or hinder the freedom of movement of the driver. Do not place any unsecured objects in the interior.
- Do not drive with an open load compartment.
- The payload is the difference between the permitted gross vehicle weight (see identification plate ⇨ 198) and the EC kerb weight. To calculate the payload, enter the data for your vehicle in the weights table at the front of this manual. The EC kerb weight includes weights for the driver (68 kg), luggage (7 kg) and all fluids (fuel tank 90 % full). Optional equipment and accessories increase the kerb weight.
- Driving with a roof load increases the sensitivity of the vehicle to crosswinds and has a detrimental effect on vehicle handling due to the vehicle's higher centre of gravity. Distribute the load evenly and secure it properly with retaining straps. Adjust the tire pressure and vehicle speed according to the load conditions. Check and retighten the straps frequently.

Do not drive faster than 120 km/h. The permissible roof load is 75 kg. The roof load is the combined weight of the roof rack and the load.

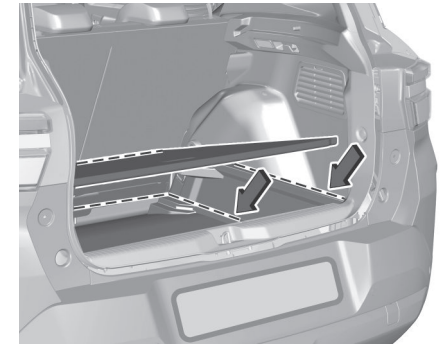
### Rear Floor Storage Cover

Raise the cover at the recess to gain access to emergency breakdown equipment.

Tire repair kit ⇨ 160

### Double Load Floor

The double load floor can be inserted in the load compartment in two positions:



- lower position above the rear floor storage cover
- upper position interlocked

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## GETTING TO KNOW YOUR VEHICLE

In this position, if the rear seat backrests are folded forwards, an almost completely flat load bay is created.

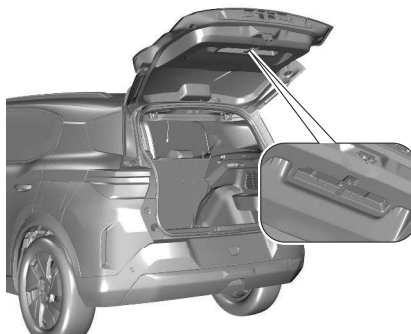
In the upper position, the double load floor is able to withstand a maximum load of 100 kg. In the lower position, the double load floor is able to withstand the maximum permissible load.

### Lashing Eyes



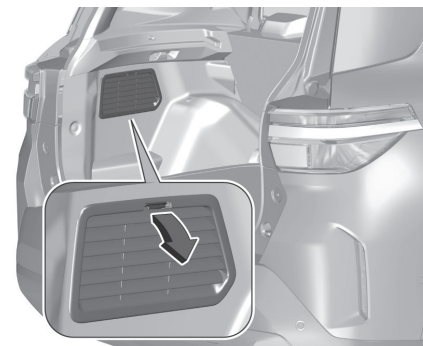
The lashing eyes are designed to secure items against slippage, e.g. using lashing straps or luggage net.

### Warning Triangle



Stow the warning triangle in the space at the rear of the trunk door and secure it with the Velcro® fastener.

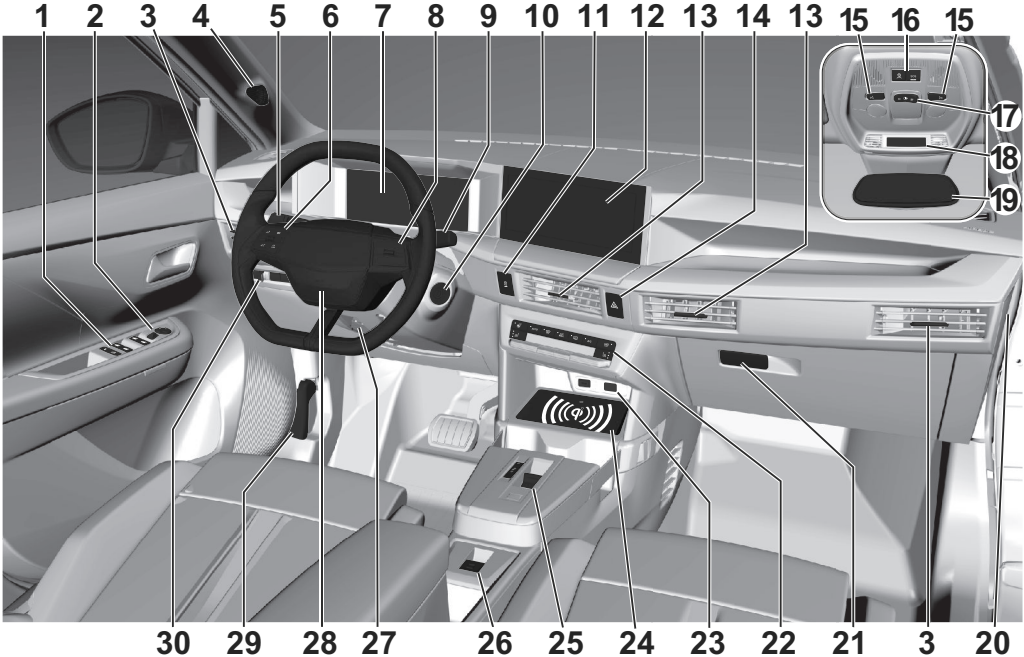
### First Aid Kit



1. Press the tab on the panel downwards to unclip it.
2. Remove the access panel.

# DASHBOARD INSTRUMENTS AND CONTROLS

## Instrument Panel Overview



- 1
- 2
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- 8
- 9
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1. Power windows
2. Exterior mirrors controls
3. Side air vents
4. Driver monitoring camera
5. Lighting Control Stalk
6. ADAS Steering Wheel controls
7. Cluster
8. Infotainment Steering Wheel controls
9. Wiper and Washer Control stalk
10. Power button/Ignition Switch
11. Central locking button
12. Infotainment Display
13. Center air vents
14. Hazard warning flashers
15. Reading lights
16. Emergency/Assistance call buttons
17. Interior lights control
18. Seat belt reminder, airbag deactivation
19. Interior mirror
20. Airbag deactivation
21. Glove box
22. Center controls bar
23. USB port
24. Front storage, wireless charger
25. Gear/Drive selector
26. Electric parking brake

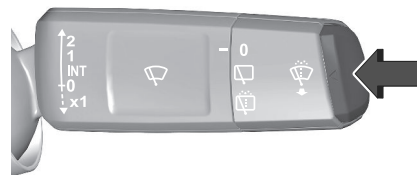
27. Steering wheel adjustment latch
28. Horn
29. Hood release lever
30. Headlight range adjustment

## Instrument Cluster



In addition to warning lights, gauges and indicators, the following information is available:

- trip odometer
- gear shift indication
- service information
- vehicle and warning messages
- driver assistance messages
- pop-up messages
- infotainment information

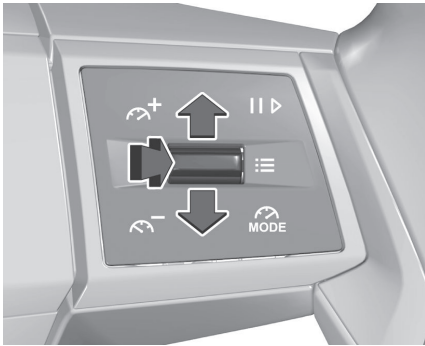


Press the button to scroll through the pages or to close a pop-up message.

### Vehicle settings and driving functions

Select one of the following settings:

- Driving assistance
- User settings

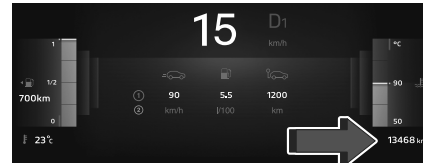


Short press: select or confirm a menu or setting.

Long press: resetting the service reminder.

Toggle up or down: scroll through the settings menus.

## Odometer



The total recorded distance of the vehicle is displayed in the right bottom corner of the cluster.

### Trip Odometer

The following trip odometer pages are selectable in trip/autonomy information menu or by pressing on the right stalk button:

- Trip in progress with instantaneous fuel consumption
- Trip 1 or 2 with average consumption, average speed and trip distance


Hybrid 48 V vehicle: the distance percentage of electric driving is shown additionally.

Instrument Cluster ⇄ 60

## Fuel Gauge



Displays the fuel level in the tank.

Control indicator  illuminates if the level in the tank is low.

Never run the fuel tank dry.

The top-up quantity may be less than the specified fuel tank capacity, due to the remaining fuel in the tank

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## Power Indicator Gauge



The power indicator gauge informs about the current energy situation of the vehicle.

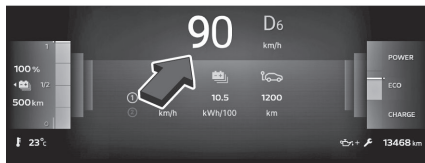
**Power :** Energy consumption during high power demand. Hybrid 48 V vehicles:

ICE and electrical engine work combined.

**Eco :** An optimum in energy is accessible in all driving modes. Hybrid 48 V vehicles: optimum usage of ICE or electric engine.

**Charge :** Battery is being charged with energy resulting from braking or deceleration of the vehicle.

## Speedometer



Indicates the vehicle speed.

## High Voltage Battery Gauge



Displays the high voltage battery state of charge

## Pedestrian Safety Alert

The sound of the pedestrian safety alert is generated to indicate the vehicle presence to pedestrians. It is active up to 30 km/h.

## Engine Coolant Temperature Gauge




Displays the coolant temperature.

**50** engine operating temperature not yet reached

**90** normal operating temperature

**Top of the gauge** temperature too high



Control indicator  illuminates red if engine coolant temperature is too high.

**⚠ CAUTION**


If engine coolant temperature is too high, stop vehicle, switch off engine. Danger to engine. Check coolant level.

**Engine Oil Level Monitor**

The state of the engine oil level is displayed in the cluster for a few seconds following the service information after switching on the ignition. A proper state of engine oil level is indicated by a message.

If the engine oil level is low, the two indicators   flash and a message is indicated.

Confirm the engine oil level by using the dipstick and top up engine oil respectively.

Engine oil  178.

A fault of measurement is indicated by a message. Check the engine oil level manually by using the dipstick.


**Service Display**

The service system informs when to change the engine oil and filter or a vehicle service is required. Based

on driving conditions, the interval at which an engine oil and filter change is required can vary considerably.

A required service due is displayed in the cluster for several seconds after switching on the ignition.

If no service is required for the next 3000 km or more, no service information appears in the display.

If service is required within the next 3000 km, the remaining distance or time duration is indicated for several seconds. Simultaneously indicator  illuminates permanently as reminder. If service is required in less than 1000 km, indicator flashes and then illuminates permanently. The remaining distance or time duration is indicated for several seconds.

Overdue service is indicated by a message in the cluster which indicates the overdue distance. The indicator flashes and then illuminates permanently until service is executed.

**Reset of service interval**

After each service, the service indicator must be reset to ensure proper functionality. It is recommended to seek the assistance of a workshop.

Operate as following:

- Switch off the ignition.



- Press the end of the right stalk to access menu.
- Scroll through the pages using the steering wheel toggle up and down.
- Once the desired menu has been reached, press and hold the button to reset.
- When the display indicates "0", release the button. The indicator then disappears.

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## Retrieving service information

To retrieve the status of the service information at any time:

- Press the end of the right stalk to access the menu.
- Scroll through the pages using the steering wheel toggle up and down.
- Short press on the toggle when in the service menu.

The service information is displayed for a few seconds.

## Vehicle Customization

The vehicle's behaviour can be personalized by changing the settings in the Info Display.

Some functions are only displayed or active when the engine is running.

## Outside Temperature

The outside temperature is shown on the cluster display or in the status bar of the Info Display.

## Warning And Control Indicator Lights

The numbers in the overview table indicate what to do, when a control

indicator illuminates or flashes. If no number: for information only.

If a red or orange warning light comes on, there may be fault which needs further investigation.

## Overview

The numbers in the overview table indicate what to do, when a control indicator illuminates or loungeflashes.

**1** : For information only

**2** : For information and warning: an action may be necessary

**3** : seek the assistance of a workshop

**4** : stop engine and seek the assistance of a workshop

**5** : have the cause of the fault remedied immediately by a workshop

## Persistent Warning Light

Displayed as symbols, the warning and indicator lights inform the driver of the occurrence of a malfunction (warning lights) or of the operating status of a system (operation or deactivation indicator lights). Some lights light up in two ways (steady or flashing) and/or in several colors.

## Associated Warnings

The illumination of a light may be accompanied by an audio signal and/or a message displayed in a screen.

Relating the type of alert to the operating status of the vehicle allows you to determine whether the situation is normal or whether a fault has occurred: refer to the description of each light for further information.

## When The Ignition Is Switched On

Some red or orange warning lights come on for a few seconds when the ignition is switched on. These warning lights should go off as soon as the engine is started.

For more information on a system or a function, refer to the corresponding section.

## List Of Warning And Indicator Lights

### Red Warning/Indicator Lights STOP



Steady, associated with another warning light, accompanied by the display of a message and an audio signal.

A serious fault with the engine, braking system, power steering or automatic gearbox or a major electrical fault has been detected.

Carry out and then (4).

### Traction Battery Overheating



Steady, combined with the STOP warning light, accompanied by the display of a message and an audio signal



Steady, combined with the STOP warning light, accompanied by the display of a message and an audio signal.

The traction battery's temperature is too high.

Carry out (4).

**Evacuate the vehicle as quickly as possible and move to a safe distance.**

### Traction Battery Malfunction



Steady, combined with the Service warning light, accompanied by the display of a message.



The traction battery has a fault.

Carry out (4).

### System Malfunction



Steady.

The system is faulty.  
Carry out (5) and then (4).

### Cable Connected



Steady when the ignition is switched on.

The charging cable is connected to the vehicle's connector.



Steady when the ignition is switched on, accompanied by  
Steady when the ignition is switched on, accompanied by

It is not possible to start the vehicle while the charging cable is connected to the vehicle's connector. Disconnect the charging cable and close the flap.

### 12 V Battery Charge



Steady.  
The battery charging circuit has a fault (dirty terminals, slack or cut alternator belt, etc.).

The 12 V battery charge level is low (2), if persisting (5) or (4).

The battery charging circuit is faulty (e.g. dirty terminals, loose or severed alternator belt).

Carry out (1).

If the electric parking brake stops working, immobilize the vehicle:

- Fit the chock against one of the wheels. Clean and tighten the terminals. If the warning light does

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not go off when the engine is started, carry out (2).

### Braking



Steady.  
The brake fluid level in the braking circuit has dropped significantly.

Carry out (2), then top up with fluid that complies with the manufacturer's recommendations. If the problem persists, carry out (4).



Steady.  
The electronic brake force distribution (EBFD) system is faulty.

Carry out (2) and then (4).

### Electric Parking Brake



Steady.  
The electric parking brake is applied.



Flashing.  
Application/release is faulty.

Carry out (1): park on flat ground (on a level surface).

Select mode **P** on the automatic gearbox. Switch off the ignition and carry out (3).

### Power Steering



Steady, accompanied by an audio signal.

The power steering has a fault (4).

### Suspension System



Steady.  
A malfunction of the active suspension system is detected.

Reinitialize the system:

- Switch the ignition off and wait for at least 30 seconds.
- Switch the ignition on again and wait for at least 5 seconds before starting the engine.

If the problem persists, carry out (3).

### Door(S) Open



Steady, associated with a message identifying the access (2).

An audio signal supplements the alert if the speed is higher than 10 km/h (6 mph).

A door or the trunk is not properly closed.

### Seat Belts Not Fastened/Unfastened



Steady or flashing, accompanied by an increasing audio signal.

A seat belt has not been fastened or has been unfastened.

### Driver Attention Assistance Drowsiness Alert



If driver drowsiness is detected by camera by driving above 65 km/h, a light and an audible signal is emitted (according to the continuous eye closures duration) (2).

### Orange Warning/Indicator Lights

#### Service



Temporarily on, accompanied by the display of a message.

One or more minor faults, for which there is/are no specific warning light(s),

have been detected. Identify the cause of the fault using the message displayed on the instrument panel. You may be able to deal with some faults yourself, such as changing the battery in the remote control. For other faults, such as with the tire under-inflation detection system, carry out (3).



Steady, accompanied by the display of a message.

One or more major faults, for which there is/are no specific warning light(s), have been detected. Identify the cause of the fault using the message displayed on the instrument panel, then carry out (3).



Steady, accompanied by the message "**Parking brake fault**".

Automatic release of the electric parking brake is unavailable. Carry out (2).

### Braking



Steady.

A minor fault with the braking system has been detected. Drive carefully. Carry out (3).

### Malfunction (With Electric Parking Brake)



Steady, accompanied by the message "**Parking brake fault**".



The vehicle cannot be immobilized with the engine running. If manual application and release commands are not working, the electric parking brake control is faulty. The automatic functions must be used at all times and are automatically reactivated in the event of a fault with the control. Carry out (3).



Steady, accompanied by the message "**Parking brake fault**".



The electric parking brake is faulty: manual and automatic functions may not be working. When stationary, to immobilize the vehicle:

- Pull the electric parking brake control and hold it for approximately 7 to 15 seconds, until the indicator light lights up on the instrument panel.

If this procedure does not work, secure the vehicle:

1. Park on a level surface.
2. Select mode **P** on the automatic gearbox, then place the supplied chock against one of the wheels.

Then carry out (3).

### Automatic Functions Deactivated (Electric Parking Brake)



Steady.

The "automatic application" (on switching off the engine) and "automatic release" (on acceleration) functions are deactivated. If automatic application/release is no longer possible:

1. Start the engine.

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2. Use the control to apply the electric parking brake.
3. Take your foot fully off the brake pedal.
4. Hold the control pressed in the release direction for between 10 and 15 seconds.
5. Release the control.
6. Depress and hold the brake pedal.
7. Pull the control in the application direction for 2 seconds.
8. Release the control and the brake pedal.

If the automatic parking brake indicator remain illuminated, carry out (3).

### Anti-Lock Braking System (ABS)



Steady.

The anti-lock braking system has a fault.

The vehicle retains conventional braking.

Drive carefully at moderate speed, then carry out (3).

### Power Steering



Steady.

A minor fault in the power steering has been detected. Drive carefully at moderate speed, then carry out (3).

### Traction Control



Steady.

The system is deactivated. The Traction Control system is reactivated automatically when the vehicle is started, and at speeds above approximately 50 km/h (31 mph). At speeds below 50 km/h (31 mph), it can be reactivated manually.



Flashing.

ESC/ASR system regulation is activated in the event of a loss of grip or trajectory.



Steady.

The ESC/ASR system has a fault.

Carry out (3).

### Emergency Brake Malfunction (With Electric Parking Brake)



Steady, accompanied by the message "Parking brake fault".



Emergency braking does not deliver optimal performance. If automatic release is not available, use manual release or carry out (3).

### In Crash Braking



Steady, associated with the Service warning light, accompanied by the display of a message and an audio signal.



The system has a fault. Carry out (3) quickly

## Tire Pressure Monitoring System Low Pressure Warning



Steady.

The pressure in one or more tires is too low.

Check the pressure of the tires as soon as possible.

Reinitialize the detection system after adjusting the pressure.



Under-inflation warning light flashing then steady and Service warning light steady.



The tire pressure monitoring system is faulty.

Under-inflation detection is no longer monitored.

Check the tire pressures as soon as possible and carry out (3).

## Parking Sensors



Flashing.

The system detects an obstacle.



Steady, accompanied by the display of a message and an audio signal.

The system has a fault.  
Carry out (3).



Steady, accompanied by the display of the message **"Parking Assistance Sensor blind: Clean sensor, see User Manual"**.

The sensor is masked.  
Stop as soon as it is safe to do so and switch off the ignition.  
Clean the front and/or rear sensors.

## Airbags



Steady, associated with the Service warning light and accompanied by the display of a message.



One of the airbags or seat belt pyrotechnic pretensioners is faulty.  
Carry out (3).

## Front Passenger Airbag (ON)



Steady.

The front passenger airbag is activated. The control is set to the **"ON"** position.

**In this case, do not install a "rearward facing" child seat on the front passenger seat - risk of serious injury!**

## Front Passenger Airbag (Deactivated)



Steady.

The front passenger airbag is deactivated. The control is set to the **"OFF"** position.

A "rearward facing" child seat can be installed, unless there is a fault with the airbags (Airbags warning light on).

## Low Traction Battery Level (BEV)



Steady, accompanied by an audio signal.

The state of charge of the traction battery is low.

View the remaining range.

Put the vehicle on charge as soon as possible.

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### Tortoise Mode With Limited Driving Range (BEV)



Steady.  
This telltale can appear in two cases:

1. The state of charge of the traction battery is critical. Engine power gradually decreases and the vehicle must be put in charge.
2. The engine is becoming hot (strong slopes or accelerations) and power will decrease. Risk the vehicle may stop. Vehicle will need to cool in order to continue.

If the warning lamp remains lit, carry out (2).

### Pedestrian Horn (BEV)



Steady.

Horn fault detected.  
Carry out (3).

### Collision Risk Alert/Active Safety Brake



Flashing.

The system activates and brakes the vehicle momentarily to reduce the speed of collision with the vehicle in front.

For more information, refer to the **Driving** section.



Steady, accompanied by the display of a message.

The system has been deactivated via the touch screen.



Steady, accompanied by a message and an audio signal.

The system has a fault.  
Carry out (3).



Steady, accompanied by the display of the message "**Driving Assistance Sensor blind: Clean sensor, see User Manual**".

The sensor is masked.  
Stop as soon as it is safe to do so and switch off the ignition.

Clean the front camera.



Steady.



The system has a fault.  
If these warning lights come on after the engine is switched off and then restarted, carry out (3).



Steady.



The system is deactivated temporarily because the driver and/or front passenger (depending on version) has been detected as present but the corresponding seat belt has not been fastened.

### Traffic Sign Recognition



Steady, accompanied by the display of a message and an audio signal.

The system has a fault.  
Carry out (3).



Steady, accompanied by the display of the message "**Driving Assistance Sensor blind: Clean sensor, see User Manual**".

The sensor is masked.  
Stop as soon as it is safe to do so and switch off the ignition.  
Clean the front camera.

### Lane Keeping Assist



Flashing.

You are about to cross a broken lane marking without operating the direction indicators.

The system is activated, then corrects the trajectory if it detects a risk of unintentionally crossing a line or hard shoulder (depending on version).

For more information, refer to the **Driving** section.



Steady.

The system has been automatically deactivated or placed on standby.



Steady, accompanied by the display of the message "**Driving Assistance Sensor blind: Clean sensor, see User Manual**".

The sensor is masked.  
Stop as soon as it is safe to do so and switch off the ignition. Clean the front camera.



Steady, accompanied by the display of a message and an audio signal.



The system has a fault.  
Carry out (3)

### Driver 'S Attention Assistance System (DAA)



Steady.

The system is deactivated.



Steady, accompanied by the display of a message and an audio signal.

The system has a fault.  
Carry out (3).



Steady, accompanied by the display of the message "**Driving Assistance Sensor blind: Clean sensor, see User Manual**".

The sensor is masked.  
Stop as soon as it is safe to do so and switch off the ignition.  
Clean the front camera.

### Rear Foglights



Steady.

The lights are on.

### Automatic Headlight Dipping



Steady, accompanied by an audio signal and a message.

A function or camera malfunction is detected.  
Carry out (2).

### Green Warning/Indicator Lights



Steady, accompanied by an audio signal when it comes on.

The vehicle is ready to drive.

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The indicator light goes out upon reaching a speed of approximately 3 mph (5 km/h) and lights up again when the vehicle stops moving. The light will go out when you switch off the motor and exit the vehicle.

### Vehicle Ready To Drive (BEV)

#### Seat Occupied/Seat Belt Fastened



Steady.

With the ignition on, the driver or a passenger has fastened their seat belt.

#### Direction Indicators



Flashing with audio signal.

The direction indicators are on.

#### Daytime Running Lights/Sidelights



Steady.

With adequate ambient light, the daytime running lights are on. With inadequate ambient light, the sidelights are on.

### Dipped Beam Headlights



Steady.

The lights are on.

### Automatic Headlight Dipping



Steady.



The function is activated via the touch screen.

The lighting control stalk ring is in the "AUTO" position.

For more information, refer to the **Lighting and visibility** section.



Auto Hold

Steady

The hydraulic pressure is enough to keep the vehicle at standstill.

### One Pedal



Steady

The function is active

### Auto Hold



Steady

The hydraulic pressure is enough to keep the vehicle at standstill.

### Blue Warning/Indicator Lights

#### Main Beam Headlights



Steady.

### Black/White Warning Lights

#### Foot On The Brake



Steady.

Insufficient or no pressure on the brake pedal.

With the engine running, before releasing the parking brake, to move out of mode **P** on an automatic gearbox.

## One Pedal



Steady  
The function is currently suspended.

## Grey Warning/Indicator Lights

### Seat Unoccupied/Seat Belt Not Fastened



Steady.

With the ignition on, one of the front or rear passenger seats is considered to be unoccupied.

### Service Indicator

The servicing information is expressed in terms of distance (miles or kilometers) and/or time (months or days). The alert is triggered when either the distance or time limit is reached, whichever comes first.

The servicing information is displayed in the instrument panel. Depending on the version of the vehicle:

- The distance recorder display line indicates the distance remaining before the next service is due, or the

distance traveled since it was due preceded by the "-" sign.

- An alert message indicates the distance remaining, as well as the period before the next service is due or how long it is overdue.

### NOTE

The value indicated is calculated according to the distance covered and the time elapsed since the last service.

The alert may also be triggered close to a due date.

In accordance with the vehicle's maintenance plan, the service may consist of either:

- A yearly visit.
- A complete service.

### Service Wrench



On temporarily when the ignition is switched on.

Between 1,860 and 620 miles (3,000 and 1,000 km) or 60 and 21 days remain before the next service is due.



Fixed, when the ignition is switched on.

The next service is due in less than 620 miles (1,000 km) or 21 days. Have the vehicle serviced very soon.

### Service Spanner Flashing



Fixed, when the ignition is switched on. The servicing interval has been exceeded.

Have your vehicle serviced as soon as possible.

### Resetting The Service Indicator

The service indicator must be reset after each service.

If you have serviced your vehicle yourself:

1. Switch the ignition off.
2. Press and hold the button located on the end of the left control stalk.
3. Without pressing the brake pedal, press the **START/STOP** button once; a temporary display window appears and a countdown begins.

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- When the display indicates =0, a confirmation message appears; release the lighting control stalk button and the spanner symbol disappears.

**NOTE**

If you disconnect the battery following this operation, lock the vehicle and wait at least 5 minutes for the reset to be registered.

**Reminder Of The Servicing Information**

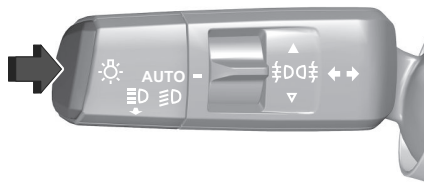


Servicing information is accessible using the **Settings > Vehicle** application on the touch screen.

- Then select **Safety > Diagnostics**.

**Vehicle Messages**

Messages are indicated in the information cluster, in some cases together with a warning chime.



Press to confirm a message.

**Vehicle and service messages**

The vehicle messages are displayed as text. Follow the instructions given in the messages.

**Messages in the Info Display**


Some important messages may appear additionally in the Info Display. Some messages only popup for a few seconds.

**Vehicles with navigation system**

The vehicle recognises low emission zones. An audible message is given when entering or exiting a low emission zone and an icon will be shown on the navigation map.

**Warning Chimes**

The warning chime regarding not fastened seat belts has priority over any other warning chime. Whenever a warning chime sounds, pay attention to the messages displayed and the warning lights on the information cluster.

When a failure is detected in the sound module  Appears on the cluster accompanied by a display message. No warning chime will sound, also not for the driver assistance system.

**When starting the engine or whilst driving**

A warning chime will sound in situations such as

- a seat belt is not fastened
- a door or the tailgate is not fully closed
- a certain speed is exceeded with parking brake applied
- cruise control deactivates automatically
- a programmed speed or speed limit is exceeded
- a warning message appears on the cluster

- the electronic key is not in the passenger compartment
- the parking assist detects an object
- an unintended lane change occurs
- the exhaust filter has reached the maximum filling level
- hands-off driving is recognized
- drowsiness of the driver is recognized
- a vehicle directly ahead is approached too quickly

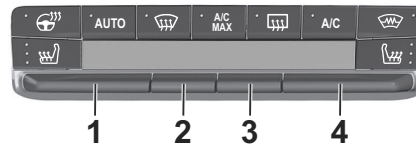
### When the vehicle is parked and / or the driver's door is opened

A warning chime will sound when :


- the exterior lights are on
- the key is in the ignition switch

## Climate Control


### Electronic Climate Control System





- 1 Temperature
- 2 Air distribution
- 3 Recirculation of interior air
- 4 Fan speed

 Heated steering wheel


**AUTO** Automatic mode

 Demisting and defrosting windows

 Maximum air conditioning

 Heated rear window ⇨ 18  
and exterior mirrors ⇨ 19

**A/C** Air condition on/off

 Heated windscreen ⇨ 18

 Heated seat ⇨ 23

### Automatic Air Conditioning

In automatic mode, temperature, fan speed and air distribution are regulated automatically.

Press **AUTO** to switch on air conditioning.

The LED in the button illuminates to indicate activation. Air conditioning is only functional when the engine is running.

Press **AUTO** again to switch off air conditioning.

### Air Conditioning On / Off

The air conditioning system is designed to operate effectively in all seasons, with the windows closed:

- It lowers the temperature in summer.

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- It increases the effectiveness of the demisting, in winter, above 3°C.

Press **A/C** to switch on air conditioning. The LED illuminates to indicate activation. Air conditioning is only functional when the engine is running and fan is switched on.

Press **A/C** again to switch off air conditioning.

### **i** NOTE

To obtain cool air more quickly, enable the interior air recirculation for a brief period. Then return to the intake of exterior air.

The air conditioning system cools and dehumidifies (dries) as soon as the outside temperature is slightly above the freezing point. Therefore, condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch off the cooling system for fuel saving reasons.

Activated cooling may inhibit Autostops. Stop-start system → 102

## **Air Heater**

Quickheat is an electric auxiliary air heater which automatically warms up the passenger compartment more quickly.

## **Temperature Adjustment**


Push the button 1 up to increase or down to decrease the temperature. The selected temperature is indicated in the status bar.



## **Air Distribution Adjustment**

Pushing button 2 successively directs the air flow towards:

- to windscreen, front door windows and footwell
- footwell
- to head area via adjustable air vents, front door windows and to footwell
- to windscreen, head area via adjustable air vents, front door windows and to footwell
- to head area via adjustable air vents and front door windows
- to windscreen and front door windows (demisting or defrosting)

## **Maximum Air Conditioning**

Activate maximum cooling with one push on . The function sets temperature as low as possible and adjusts distribution to all air vents. In addition, it sets air flow to maximum and activates air recirculation.

Press  to switch on the function. The LED in the button illuminates to indicate activation. Press  again to switch off the function.

## **Recirculation Of Interior Air**

The recirculation of interior air allows the passenger compartment to be isolated from polluted air in areas of heavy traffic and inside tunnels.

The intake of exterior air helps to avoid and eliminate misting of the windscreen and the side windows.

### **i** NOTE

When required, this function also allows faster heating or cooling of the air in the passenger compartment.

Press button 3 to recirculate the interior air or allow the intake of exterior air.



**⚠ WARNING**

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling, the air humidity increases, so the windows may mist up from inside. The quality of the passenger compartment air deteriorates, which may cause the occupants to feel drowsy.





**Fan Speed**

Push the button 4 up to increase or down to decrease the air flow. The selected air flow is indicated in the status bar.


**Rear Window Demist-Defrost Control**

This mode allows the windscreen and side windows to be demisted or defrosted as quickly as possible. Press  to switch on the function. The LED in the button illuminates to indicate activation. Press  again to switch off the function. The mode automatically manages the air conditioning, air flow, air intake and distributes ventilation optimally to the windscreen and side windows.

**i NOTE**

If  is pressed while the engine is running, an Autostop will be inhibited until  is pressed again. If  is pressed while the engine is in an Autostop, the engine will restart automatically. Stop-Start system  102

**Heated Steering Wheel**

Activate the heating by pressing . Activation is indicated by the indicator light in the button. The heating works only when the outside temperature is below 20°C.

**Temperature Preconditioning (BEV)**

(depending on version)  
The temperature preconditioning allows to heat or to ventilate the vehicle's interior with ambient air. The temperature preconditioning can be programmed and activated via the Infotainment Display or the MyOpel App.

**i NOTE**

The temperature preconditioning is only activated if the ignition is off and the vehicle is locked. If the charging level of the high voltage battery is below 30 %, the temperature preconditioning is not activated. When the vehicle is plugged in, battery charging takes precedence over pre-conditioning. Consequently, it can only be activated if the battery is charged above a threshold fixed at 80 %. If a recurrent heating / ventilation is programmed and two heating / ventilation procedures are carried out without operating the vehicle, the programming is deactivated.

**Setting timer****i NOTE**

Several timers can be programmed and saved. It is recommended to programme temperature preconditioning with the vehicle plugged in, in order to optimise the long-

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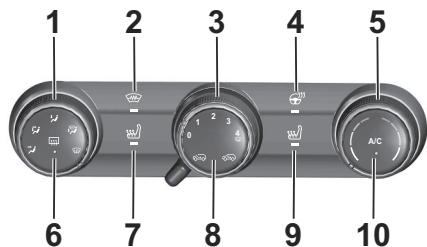
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term performance of the high voltage battery.

The heating / ventilation procedure starts approx. 30 minutes before the programmed time when the vehicle is plugged in, or 20 minutes before the programmed time when it is not plugged in.


## Manual Air Conditioning System




- 1 Air distribution
-  Heated windscreen ⇨ 18
- 3 Fan speed
-  Heated steering wheel

### 5 Temperature

**A/C** Air conditioning on/off

 Heated seat ⇨ 23

 Recirculation of interior air

 Heated rear window ⇨ 18 and exterior mirrors ⇨ 19

### Temperature adjustment


Turn knob 1 from blue (cold) to red (hot).

Heating will not be fully effective until the engine has reached normal operating temperature.

### Fan speed adjustment


Turn knob 3 to adjust the air flow.  
clockwise: increase  
anticlockwise: decrease


### Heated steering wheel


Activate the heating by pressing . Activation is indicated by the indicator light in the button.  
The heating works only when the outside temperature is below 20°C.


### Air distribution adjustment


Turn knob 5 to select the desired air outlet.

 : to head area via adjustable air vents

 : to head area via adjustable air vents and to footwell

 : to footwell

 : to footwell and windscreen

 : to windscreen and front door windows

### Air conditioning A/C on/off

The air conditioning system is designed to operate effectively in all seasons, with the windows closed:

- It lowers the temperature in summer
- It increases the effectiveness of the demisting, in winter, above 3°C.

Press **A/C** to switch on air conditioning. The LED in the button illuminates to indicate activation. Air conditioning is only functional when the engine is running and fan is switched on.

Press **A/C** again to switch off air conditioning.

The air conditioning system cools and dehumidifies (dries) as soon as the outside temperature is slightly above the freezing point. Therefore, condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch off the cooling system for fuel saving reasons.

Activated cooling may inhibit Autostops. Stop-start system ⇨ 102

### **i NOTE**

To obtain cool air more quickly, enable the interior air recirculation for a brief period. Then return to the intake of exterior air.

### **Recirculation of interior air**

The recirculation of interior air allows the passenger compartment to be isolated from polluted air in areas of heavy traffic and inside tunnels.

The intake of exterior air helps to avoid and eliminate misting of the windscreen and the side windows.

### **i NOTE**

When required, this function also allows faster heating or cooling of the air in the passenger compartment.

Rotate selector 8 to the right to allow interior air recirculation.

Rotate selector 8 to the left to deactivate air recirculation and allow intake of exterior air.

### **⚠ WARNING**

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling, the air humidity increases, so the windows may mist up from inside. The quality of the passenger compartment air deteriorates, which may cause the occupants to feel drowsy.

### **Maximum cooling**



Briefly open the windows so that hot air can disperse quickly.

Switch on **A/C**.

- Activate interior air recirculation.

- Adjust air distribution to head area.
- Set temperature control to coldest level.
- Set fan speed to highest level.
- Open all vents.

### **Demisting and defrosting the windows**

- Turn knob 3 to position 4: the air flow is maximized towards the windscreen.
- Turn knob 5 to : the air distribution is directed towards the windscreen.
- Set temperature to warmest level.
- Switch on **A/C**, if required.
- Switch on heated rear window .
- Open side air vents as required and direct them towards the door windows

## **Air Vents**

### **Adjustable Air Vents**

At least two air vents must be open while cooling is on.

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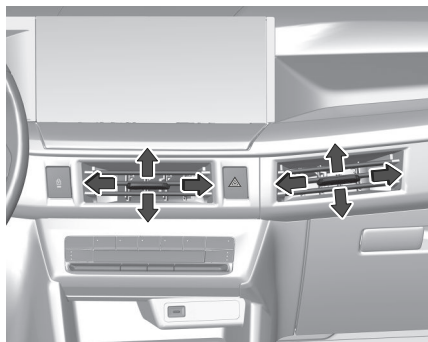
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**⚠ WARNING**

Do not attach any objects to the slats of the air vents. Risk of damage and injury in case of an accident.

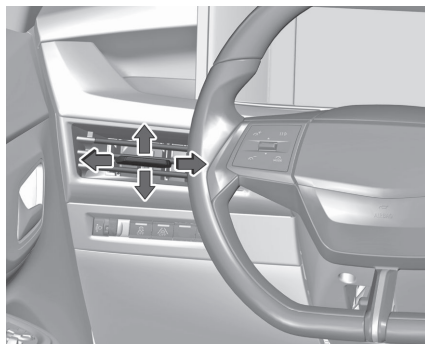
**Air vents on the instrument panel**



Direct the flow of air by tilting and swivelling the slats.

To close the vent, swivel the slats inwards.

**Outer air vents on instrument panel**



Direct the flow of air by tilting and swivelling the slats.

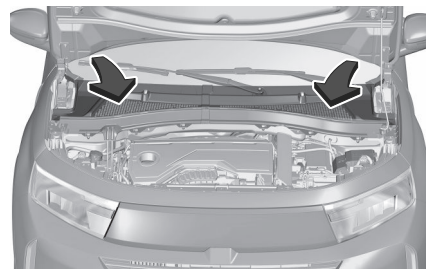
To close the vent, swivel the slats outwards.

**Fixed Air Vents**

Additional air vents are located beneath the windscreen and door windows in the foot wells.

**Maintenance**

**Air Intake**



The air intake in front of the windscreen in the engine compartment must be kept clear to allow air intake. Remove any leaves, dirt or snow.

**Air Conditioning Regular Operation**

In order to ensure continuously efficient performance, cooling must be operated for a few minutes once a month, irrespective of the weather and time of year. Operation with cooling is not possible when the outside temperature is too low.

## Service

For optimal cooling performance, it is recommended to annually check the climate control system, starting three years after initial vehicle registration, including:

- functionality and pressure test
- heating functionality
- leakage check
- check of drive belts
- cleaning of condenser and evaporator drainage
- performance check

## Displays

### Info Display

The Information Display can indicate:

- time
- outside temperature
- date
- Infotainment system, see description in the Infotainment system section ➔ 83
- indication of rear view camera ➔ 146
- indication of parking assist instructions ➔ 144


- navigation, see description in the Infotainment system section ➔ 91
- vehicle and system messages ➔ 74

## Service Display

The service system informs when to change the engine oil and filter or a vehicle service is required. Based on driving conditions, the interval at which an engine oil and filter change is required can vary considerably.

A required service due is displayed in the cluster for several seconds after switching on the ignition.

If no service is required for the next 3000 km or more, no service information appears in the display.

If service is required within the next 3000 km, the remaining distance or time duration is indicated for several seconds. Simultaneously indicator 

illuminates permanently as reminder. If service is required in less than 1000 km, indicator flashes and then illuminates permanently. The remaining distance or time duration is indicated for several seconds.

Overdue service is indicated by a message in the cluster which indicates the overdue distance. The indicator

flashes and then illuminates permanently until service is executed.

### Reset of service interval

After each service, the service indicator must be reset to ensure proper functionality. It is recommended to seek the assistance of a workshop.

Operate as following:

- Switch off the ignition.



- Press the end of the right stalk to access menu.
- Scroll through the pages using the steering wheel toggle up and down.
- Once the desired menu has been reached, press and hold the button to reset.

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- When the display indicates "0", release the button. The indicator then disappears.

### **Retrieving service information**

To retrieve the status of the service information at any time:

- Press the end of the right stalk to access the menu.
- Scroll through the pages using the steering wheel toggle up and down.
- Short press on the toggle when in the service menu.

The service information is displayed for a few seconds.

# INFOTAINMENT SYSTEM

## Introduction

### WARNING

The Infotainment system must be used so that the vehicle can be driven safely at all times. If in doubt, stop the vehicle and operate the Infotainment system while the vehicle is stationary.

### Radio reception

Radio reception may be disrupted by static, noise, distortion or loss of reception due to:

- changes in distance from the transmitter
- multipath reception due to reflection
- shadowing

### Menu

Menus and settings are accessed via the touchscreen.





Touch the screen to switch on the display.

Press  to display the homepage.

Touch required menu display icon.


Touch a respective icon to confirm a selection.

Touch  to return to the next higher menu level.

Press  to return to the homepage.


For further information, see Infotainment system section.


### Profiles

Press .

In the list, select . The screen

displays a default profile and allows you to create and personalize several new profiles with or without an associated mobile device.

 The profile has a default display with the possibility of editing and/or returning it to its initial configuration. This profile cannot be deleted.

 Each profile created can be associated with a mobile device of your choice connected via Bluetooth®; the Bluetooth® function of the mobile device has to be activated first. If a profile is not connected to the mobile device, the last profile used will be highlighted.

### Creating A Profile


Creating a new profile allows you to personalize:

- Language, units, privacy settings.
- Screen configuration, appearance, smart touch.
- Audio settings, favorite radio stations.
- Lighting, interior ambience ➔ 52

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- Navigation history, favorite points of interest (POIs), navigation settings.
- Some driving aids and the list of favorites.

### Deleting A Profile

 To delete a profile, select it from the list of profiles then press the bin.

### Updating The System

The vehicle's touch screen and navigation map can be updated to benefit from the latest improvements and evolutions.

These updates can be uploaded to the vehicle via a USB-C stick.

### Preparing The USB Stick

To download the updates and prepare the USB-C stick :

1. Open the myOpel website or app.
2. Retrieve the update files.
3. Download and open the software on a PC or Mac computer.
4. Follow the instructions on screen to format and prepare the USB-C stick.

### Operating Conditions

#### ICE/Hybrid 48V

- Leave the engine running while installing updates.
- Updates must be performed with the vehicle stationary.

Parking the vehicle outside rather than in an enclosed space (e.g. garage) is recommended.

#### BEV

- Engine must be switched on and "READY" displayed on the instrument cluster.
- Updates must be performed with the vehicle stationary.
- After a certain time (20–30 min), the vehicle will switch to Eco mode. If the update takes longer (especially if the map is being updated), remain seated in the driver's seat with the seatbelt fastened and the doors closed until the update is complete.
- The high voltage battery cannot be charged while the update is in progress.

#### NOTE

Do not remove the USB stick from the car before the update process is complete.

#### NOTE

Do not turn off the engine before the update process is complete.

### Updating The Software



- Insert the stick into the USB port of the vehicle.



- Open the settings application.

1. In the list, select the "General" tab.
2. Select "Software Update" tab.

The current software version will be displayed.

1. Select "Update System Software" to start the update process.
2. When the system has finished reading the data on the USB Stick, select "Update".

- Once the software update is complete, select "**Restart**".

After the system restarts, a screen appears stating that the system has been successfully installed.

If an error message is displayed, follow the instructions on screen or try another USB Stick. If the error persists, contact a dealer or a qualified workshop.

### Updating The Map



- Insert the stick into the USB port of the vehicle.



- Open the settings application.

- In the list, select the "**General**" tab.
- Select "**Map Update**" tab.

The current software version will be displayed.

- Select "**Update Map**" to start the update process.
- When the system has finished reading the data on the USB Stick, select "**Update**".
- Once the software update is complete, select "**Restart**".


After the system restarts, a screen appears stating that the system has been successfully installed.

If an error message is displayed, follow the instructions on screen or try another USB Stick. If the error persists, contact a dealer or a qualified workshop.


### Customization

Press and hold the screen from one of the system's home pages.

Or

Press .

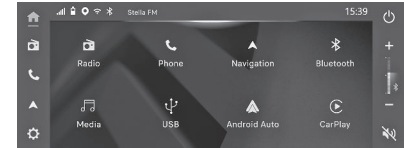
In the list, select the customization tab. Press the display field.








A page divided into 2 parts is displayed. Press  at any time to leave this page.

### First Steps

The system allows to interact with a variety of features using the touch screen, the steering wheel controls and voice commands. By integrating a Bluetooth® enabled smartphone, the system provides easy interaction with audio, multimedia, navigation and smartphone's compatible applications. The touch screen gives a quick access

to all of the entertainment, communication and navigation options.



-  Displays the settings.
-  Displays the navigation menu.
-  Displays the phone menu. Displays the phone projection screen when phone projection is active
-  Displays the radio menu.
-  Displays the home screen.
-  Connects or disconnects a device with the Bluetooth function.
-  Switches the system on / off.

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-  Adjusts the volume of connected device.
-  Mutes the sound.
-  Displays the Apple CarPlay app on the Info Display.
-  Displays the Android Auto app on the info Display.
-  Changes the media source.
-  Displays the audio menu.


### Power on/off and Screen on/off

When button  is pressed, a page appears with the date and time and the option to select the shutdown of the audio system or to switch off the touch screen.

### Power Off


Press and hold button . The touch screen will turn off and the sound will cut out.

### Screen Off

Press button . The touch screen will turn off and only the sound from the current audio source remains active. In all cases, touch anywhere on the screen to turn it on.

## Screen Operations

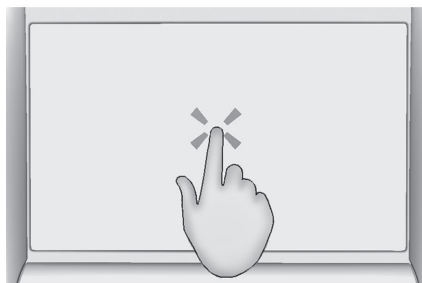
The display of the Infotainment system has a touch-sensitive surface that allows direct interaction with the displayed menu controls.

 **CAUTION**

Do not use pointed or hard items like ballpoint pens, pencils or similar for touch screen operation.

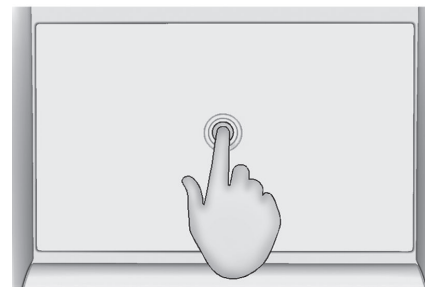
Use the following finger gestures to control the Infotainment system.

### Touch



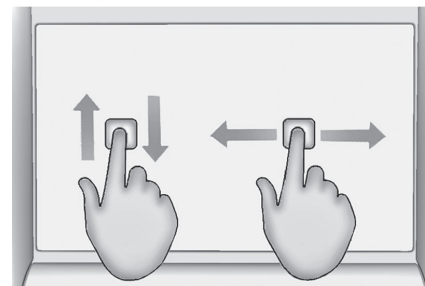
Touch is used to open a menu or select an option.

## Touch And Hold




Touch and hold can be used to save radio stations.

## Swipe



Swipe is used to scroll through a menu or to pan the map.

## Returning To The Previous Screen In A Submenu

Within an app, the menu can be displayed and hidden by touching .

## Cybersecurity



### Privacy Settings

The privacy settings can be set for each profile. The following privacy settings can be set:


- share data and location
- share data
- private mode

To use all available connected services without restrictions, it is necessary to share data and location.

When the private mode is activated, connected services will only perform local processing inside the vehicle with limited functions.

The privacy settings can be set via the connectivity menu within the settings app . Alternatively, the privacy settings can be set via the status bar by touching .


## Connected Services


To display the menu for connected services, open the settings app  and touch the corresponding menu entry.

## Radio

### Choosing The Media


#### Changing the source (Media to Radio)

Press  to display the media main page.

Press  to switch to display the radio main page.

This icon is displayed.

#### Audio Settings

For more information on settings, refer to the corresponding section.  98

#### Changing the waveband

Press  to display the main page.

Press **FM**, **AM** or **DAB** button to change the waveband, according to the country of sale.

### NOTE

18 radio stations can be preset on each waveband.


### NOTE

Radio reception may be affected by the use of electric equipment not approved by the Brand, such as a charger with USB socket connected to the 12 V socket.

The exterior environment (e.g. hills, buildings, tunnels, basement car parks) may block reception, including in RDS mode. This phenomenon is normal in the propagation of radio waves and does not indicate any malfunction of the system.

#### Selecting a radio station

Press  to display the main page.

Press  to start/stop the scan for available radio stations.

The radio stations found are displayed in the list of favorite radio stations.

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▲ Press one of the buttons to perform an automatic search for the previous/ next radio stations. The tuner stops at the first radio station found.

Or

▲ Press one of the buttons to perform a manual search for the lower/ higher frequency. On each press, the tuner decrements/ increments by one frequency step (e.g. 0.05 MHz on FM; 1 KHz on AM). The value of the frequency step depends on the country of sale.


In the last two cases, it is possible to manually store each radio station found.


▲ If necessary, press one of the buttons to navigate in the list of favorite radio stations.

Press and hold down the desired preset number. A new memory entry replaces the previous one.

### Recalling a stored radio station

Press  to display the main page.

Press  to display the list of available radio stations. Select a radio station in the list.

Press  to display the main page.

Press **FM**, **AM** or **DAB** button to change the waveband, according to the country of sale.

◀ If necessary, press one of the buttons to navigate in the list of favorite radio stations.

**1 2 3...** Press the desired preset number.

### DAB (Digital Audio Broadcasting) radio

#### NOTE

Digital radio provides higher quality reception and also the graphical display of current information on the radio station being listened to. The various "multiplexes/ensembles" offer a choice of radio stations organised in alphabetical order. The volume may be higher when receiving traffic alerts or news.

### DAB/FM station tracking

#### NOTE

"DAB" does not cover 100 % of the territory. When the digital

radio signal is poor, the "**AF**" (alternative frequency) option enables to continue listening to the same station by automatically switching to the corresponding "**FM**" analogue station (if there is one).

#### NOTE

When the system switches to analogue station, there is a delay of a few seconds with sometimes a change in volume. When the digital signal quality is restored, the system automatically changes back to "**DAB**".

#### NOTE

If the "**DAB**" radio station is not available, the sound cuts out when the digital signal quality becomes poor and the "**AF**" alternative frequency is crossed out.


### Presetting a station


Select a station.

 Press the "**Media**" application.

In the list, select the "**Player**" tab.

 Press the " **Radio Favorites** " button.

 Storing takes place via a short or long press on one of these buttons, or a long press on an existing favorite radio station, which will be replaced.

 Press this button to return to the previous page.

## Multimedia System

### General Information

#### NOTE

The functions and settings described vary according to the version and configuration of the vehicle, and according to the country of sale.

#### WARNING

The system is protected in such a way as to operate only on your vehicle.  
For safety reasons and because they require continued attention on the part of the driver, the following operations must be carried out

with the vehicle stationary and the ignition on:

- Pairing the smartphone with the system via Bluetooth®.
- Using the smartphone.
- Connecting to Mirror Screen (Apple®CarPlay® or Android Auto).
- Changing the system settings and configuration.

Some functions cannot be accessible when driving.

#### Status Bar


The status bar is the top bar on the screen. It can indicate the following:


- time
- outside temperature
- Wi-Fi connection status
- Bluetooth activation
- mobile reception
- activated functions, e.g. heated steering wheel


## Steering Wheel Controls



**SRC** SRC (short press): change media sources.

 Increase volume/ Decrease volume.

 Mute/Unmute the sound: short press in the center.

 **Move up**: validate a selection; movement in the lists.

**Radio**: automatic search for the next station (in the list of radio stations sorted by name or by frequencies).

**Media**: next track.

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**Phone** (short press): accept the incoming call.

▲ **Move down:** validate a selection; movement in the lists.

**Radio:** automatic search for the previous station (in the list of radio stations sorted by name or by frequencies).

**Media:** previous track.

**Phone** (short press): refuse the incoming call; hang up the call in progress.

 **Voice control** (short press): voice commands of the smartphone connected using Bluetooth® or Mirror Screen® (Siri with Apple® CarPlay®/ Google Assistant with Android Auto) via the system.

## Applications

### Radio



Select a radio station (FA, AM and DAB) Infotainment, applications.

### Media



Select a media source (USB, iPod, Bluetooth®, Apple CarPlay® and Android Auto).

### Phone



Connect a mobile phone via Bluetooth®, make and receive calls, access the phonebook, call log.

### Navigation



Configure guidance and choose a destination. Use the services available in real time depending on equipment.

### Settings



Main settings for the touch screen, audio system and GPS.

### Voice Commands

The voice recognition setting is available with the mobile telephone network and according to the language previously selected in the mobile phone.



When voice commands are activated, say your command after the audible signal.

For commands in several stages, interaction takes place with the system to complete the initial request.

Some commands self-validate after seven seconds.

If the system has not taken your command into account, it will indicate this by a voice message and an onscreen display.

### Voice Assistant/Data Usage

Vehicle's location and voice recordings are not concerned; only textual transcriptions of your conversations with the voice assistant are kept after to be pseudonymised.

### Opening voice commands



Voice commands can be used on any screen page, provided there are no other sources which take priority in use (reverse, emergency or assistance call, telephone call, other smartphone voice recognition already launched).

Choice of opening voice recognition:

- Press the  located on the steering wheel.


Or

- Say "Siri" or "OK Google" depending on mobile phone type.


### NOTE

To ensure that voice commands are always recognized by the system, please follow these recommendations:

- Use natural language in a normal tone without breaking up words or raising your voice.
- After opening voice recognition with the steering wheel control or the button on the touch screen, always wait for the "beep" (audible signal) before talking. No "beep" sounds when voice recognition is opened using "OK Iris".
- For optimal operation, it is recommended that you close the windows to avoid any external interference, and switch the ventilation off.
- Before speaking the voice commands, ask the other passengers not to speak.

 Voice command example for radio and media:

**"I want to listen to Michael Jackson"**

 Voice command example for telephone:


**"Call Matthew's mobile"**

**" Call 0113 345 9869"**

**"Call Jonathan"**

### NOTE

If there is no mobile device connected by Bluetooth®, a pop-up window appears informing that no device was connected and that the voice session will be closed.

 Voice command example for navigation:

**"Navigate home"**

**"Navigate me to gabrielle's house"**


**"Search for public parking nearby"**


Depending on the country, give destination (address) instructions in the language configured for the system.


## Navigation


### Navigation home page

(Depending on equipment)

Press  to display the navigation main page.


Press  to display the shortcut menu for the various options.

Press  to display the search page (address, name or point of interest (POI)).


Press  to zoom in/out, or use two fingers on the screen.

Press  to display the 3D mode.


### Main Menu

Press  Navigation to display the main page.

### Options Settings

Press  to display the shortcut menu for the various options.

### Choosing a new destination

Press  to display the search page. Click on the search or address field to enter an address or a name. An alphanumeric keypad appears.

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Enter the city, street and number and confirm by pressing the respective proposals displayed.


Press  to start the guidance.

### Choosing one of the last destinations

Press  to display the search page.

Scroll down for the last desired destination and confirm by pressing on it.

Or

Press  to obtain more destinations.

Select the desired destination and confirm by pressing on it.

Press  to start the guidance.

### Choosing one of My Places

Press  to display the search page.

Press  to obtain private destinations.

Select  or  and confirm by pressing on it.

Press  to start the guidance.


### Choosing a point of interest (POI)

Press  to display the search page.

Select the type of POI by pressing on it (e.g. Parking, Service station).

A list of the corresponding POI selected appears.

Or

Press  to obtain POI around the vehicle position.

Select the POI to visit and confirm by pressing on it.

Press  to start the guidance.

### Choosing a point on the map

Press  to display the search page.

Explore the map by dragging it with fingers.

Zoom the desired area by pressing on "+" button.

Select the destination by pressing the map.

Press  to start the guidance.

## Connectivity

### Bluetooth® Information

#### WARNING

For safety reasons and because they require continued attention on the part of the driver, pairing operations between the Bluetooth®

mobile phone and the vehicle's Bluetooth® hands-free system must be carried out with the vehicle stationary and the ignition switched on.

#### NOTE

Make sure that the mobile phone's Bluetooth® function is activated and "visible to all". In the event of a malfunction, it is advisable to deactivate and then reactivate the Bluetooth® function from the mobile phone.

#### NOTE

Once back in the vehicle, if the last connected mobile phone is present again (Bluetooth® function activated), it is automatically recognized and, within about 30 seconds of starting up, the pairing is automatically carried out.

The streaming function allows you to listen to the audio stream coming from the mobile device connected via USB, iPod®, Bluetooth® or Mirror Screen®. First adjust the volume on the mobile device (to a high level).

Then adjust the volume of the system. If playback does not start, it may be necessary to start the audio playback from the mobile device.

The control operates via mobile device or via the buttons on the touch screen of the infotainment system.

**i NOTE**

Once connected in streaming mode, the mobile device is considered to be a media source.

**Information - Wi-Fi**

**i NOTE**

The Wi-Fi connection including credential sharing with the user's smartphone happens automatically after successful Bluetooth® connection with a wireless supported smartphone.

**i NOTE**

The Wi-Fi connection can only be used for Android Auto or

Apple®CarPlay® wireless connection.

**i NOTE**

The Wi-Fi network uses the 5 GHz frequency. Some smartphones may not support this feature.

**Information - Mirror Screen®**

**i NOTE**

Synchronizing a mobile device enables users to display applications that support the mobile device Android Auto or Apple CarPlay® technology on the vehicle's screen. For Apple CarPlay® technology, the Apple CarPlay® function must first be activated on the mobile device. In all cases, the mobile device must be unlocked, to enable the communication process between the mobile device and the system to function (at first connection only). As principles and standards are constantly changing, we recommend keeping the mobile device operating system up-to-date, together with the date

and time on the smartphone and the system.

Refer to your mobile device for Android Auto or Apple CarPlay® settings.

**i NOTE**

For the list of suitable mobile devices, visit the Android Auto and Apple CarPlay® websites:  
<https://www.android.com/auto/>  
<https://www.apple.com/in/ios/carplay/>

**⚠ WARNING**

Stop the vehicle before connecting Android Auto or Apple®CarPlay® and follow the instructions on your mobile device.

**i NOTE**

On connecting the USB cable, the Android Auto or Apple CarPlay® function deactivates the system's Bluetooth® mode.

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**⚠ CAUTION**

It is recommended to use the original USB cable of the mobile device.  
To protect the system, do not use a USB hub.

**Connected Services**

Multiple connected services are accessible via app, online or inside the vehicle.

**i NOTE**

Connected services are not available for all markets. For further information, contact your workshop.

**i NOTE**

Full functionality of connected services is subject to registration and proper activation.

Connected services may include live navigation such as online traffic information as well as vehicle status and information such as maintenance alerts.

Services accessible within the vehicle also include emergency call and assistance call. These functions are automatically activated. Terms and conditions apply.

Emergency call ➡ 153.

Correct connectivity settings and privacy settings are necessary to establish the connection to the available connected services.

**Connectivity Settings**

To display the system settings menu, open the settings app ⚙ select 🌐.

Then select the connectivity menu.

The following settings can be managed:

- wireless devices: display all paired devices, connect or disconnect a device, choose the connection preferences for each device (Bluetooth or phone projection) and search for nearby devices
- Wi-Fi networks: activate or deactivate Wi-Fi, search for nearby Wi-Fi networks and connect the system to a Wi-Fi network
- privacy settings: activate or deactivate data and location sharing for authorized services

**Privacy Settings**

The privacy settings can be set for each profile. This function is used with a "Guest" and/or "Driver" profiles:

- pre-configured by default in "Private Mode", or
- to be created in the system, with or without connection to a mobile device.

For each profile (even "Guest"), the last privacy settings saved will be restored. The following privacy settings can be set:

- share data and location
- share data
- private mode

To use all available connected services without restrictions, it is necessary to share data and location.

When the private mode is activated, connected services will only perform local processing inside the vehicle with limited functions.

The privacy settings can be set via the connectivity menu within the settings app ⚙.

Alternatively, the privacy settings can be set via the status bar by touching 📵.

## Sharing Data and Location



This mode allows the vehicle to externally transmit all the personal data needed for each valid available connected service.

### **i** NOTE

The personal data required to use the connected services is sent to the providers of these services.

## Sharing Data



This mode allows the vehicle to externally transmit all the data needed for location data (e.g. GPS coordinates).

### **i** NOTE

Some connected services may not function without the vehicle location data.

### **i** NOTE

This mode will not be applied to the emergency call function or

to specific services to which the user has consented under the terms of commercial contracts (e.g. Connected alarm).

## Private Mode



This mode does not allow the vehicle to transmit personal data outside the vehicle

### **i** NOTE

Connected services will only perform local processing inside the vehicle with limited functions.

### **i** NOTE

This mode will not be applied to the emergency call function or to specific services to which the user has consented under the terms of commercial contracts (e.g. Connected alarm).

### **i** NOTE

If the vehicle is used for professional purposes or under the terms of specific contracts (e.g.

corporate fleet, government assignment), some privacy modes will not be available for the user on the screen, depending on the data sharing needs of the services.

## Bluetooth® Connection

### **i** NOTE

The services available depend on the network, the SIM card and the compatibility of the Bluetooth® mobile devices used. Consult the phone user guide, the service provider and the OEM portal to check which services are available.

### **i** NOTE

To complete the pairing, whichever procedure is used (from the phone or from the system), ensure that the code is the same in the system and in the phone. If the pairing procedure fails, we recommend deactivating and then reactivating the Bluetooth® function on the phone and deleting any OPEL name present in the devices list.

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**NOTE**



Depending on phone type, you may be prompted to accept the transfer of contacts.

**Procedure from the mobile phone**

In order to make the system Bluetooth® visible, first open  on the system and activate the Bluetooth® function.

 From the Bluetooth® menu on your phone, select the system name from the list of detected devices. In the system, accept the connection request from the phone and follow the instructions on the phone and system touch screen.


**Procedure from the system**


Press  to display the main page  
In order to make the system Bluetooth® visible, first open  on the system and activate the Bluetooth® function.

**Managing paired mobile devices**

To connect or disconnect a paired phone and switch to Android Auto or Apple CarPlay®:

Press  to display the main page

Press  to display the paired devices list

Press  to delete the desired paired device.

**Screen Mirroring**

The phone projection applications Apple CarPlay and Android Auto display selected apps from a smartphone on the Info Display and allow their operation directly via the Infotainment controls.


Check with the device's manufacturer if this function is compatible with the smartphone and if this application is available in the country you are in.

**Preparing The Smartphone**

iPhone®: Make sure Siri® is activated on your phone.

Android phone: Download the Android Auto app to your phone from the Google Play™ Store.

**Connecting The Smartphone**


Connect the phone to the USB port  55 or connect the phone via Bluetooth.

Make sure phone projection is activated in the connectivity settings.

**Starting Phone Projection**


Touch the Apple CarPlay or Android Auto app on the Info Display. The phone projection screen displayed depends on the smartphone and software version.


**Using The Voice Assistant Of The Smartphone**

Press and hold  on the steering wheel and say the corresponding activation voice command of the smartphone's voice assistant to use the voice assistant of the smartphone via the Infotainment system.

**Media****Changing the source (Radio to Media)**

Press  to display the main page.


Press  to switch to the media main page.

This  is displayed.

### Audio Settings/Devices Settings

For more information on settings, refer to the corresponding section. ➔ 98

### Changing the media source

Press  to display the main page.

Press the respective button to change the media source, according to the country of sale.

### Bluetooth® audio streaming

The streaming function allows you to listen to the audio stream coming from the mobile device connected via USB, iPod®, Bluetooth® or Mirror Screen®. First adjust the volume on the mobile device (to a high level).

Then adjust the volume of the system. If playback does not start, it may be necessary to start the audio playback from the mobile device.

Control is from the mobile device or by using the system's touch buttons.

### NOTE

Once connected in streaming mode, the mobile device is considered to be a media source.

### Playing a track

Press  to display the main page.

Once the portable device is connected, browsing through the files is possible by pressing this button. Some information appears, such as the title, artist, album and duration of the track currently playing.



Short press: go to the previous/ next track.



Track playback/pause.



Repeat the current title or the list of selected titles.



Random track playback.

### NOTE

To fast-forward or rewind a track, drag the playback progress slider at the bottom of the page.

## Phone

### WARNING


Depending on the legislation in force in the country, hand-held mobile devices are forbidden when driving. To make a call directly from the mobile device, the vehicle must first be safely stopped.


### NOTE


While driving, it is always possible to use the steering wheel controls or voice commands to start or end a call.

## Making A Call

### Calling a new number

Press  to display the main page.

Press  to display the numeric keypad. Enter the mobile phone number using the numeric keypad.

Press  to launch the call.

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## Calling a contact from the phonebook

Press  to display the main page.

Press  to display the phonebook.


Select the desired contact name in the list

Or

Press  to search the contact name.


Enter your first letters; the corresponding contact names appear.


Select the desired contact name in the list.

Press  to launch the call.

## Calling a number from the call log

Press  to display the main page.

Press  to display the call log. Select the desired last number in the list.

Press  to launch the call.

## Receiving A Call

An incoming call is announced by a ring and a superimposed display in the screen.

To accept the incoming call:

Press .

Or

Press  on the steering wheel.

Once the call has been picked up, a screen appears with the following information:

- the caller's mobile phone number.
- the call status (incoming/outgoing, in progress, conference, ended).
- the call duration.

To refuse the incoming call/ hang up the call in progress:

Press .

Or


Press  on the steering wheel.

## Call Options


### Call in progress

During a phone conversation, a screen appears with the following options:

### Mute/Unmute

Press  to mute/unmute the micro of the system.


### Handset/Hands-free

Press  to transfer the call from the system to the mobile phone and vice versa.


## Hold/Retrieve

Press  to hold/retrieve the call.


## End call

Press  to hang up the call.

## Add

Press  to add a new call (Conference call).


## Keypad

Press  to display the numeric keypad.

## Settings

### General Settings

Press  to display the main page.

Press the general tab  to access the various items to be set.

- **Language:** to choose the system display language from the list.
- **Factory Reset:** to return to factory default system.
- **Software Update:** to update the system by USB device and to see the current software/hardware versions.

## Display Settings

Press  to display the main page.

Press the display tab to access the various items to be set:

- **Brightness:** to adjust the touch screen brightness using the - and + buttons or by moving the slider. Only available in night display, when vehicle lights are on.

## Devices Settings

Press  to display the main page.

Press the devices tab to access the various items to be set:

- **Bluetooth:** to turn on/off the Bluetooth visibility of the system.
- **Wi-Fi:** to activate/deactivate the Wi-Fi network of the system.
- **Scan for devices:** to select a mobile device to be connected (USB, Bluetooth®, Apple CarPlay® or Android Auto).
- **Device list:** to view the previously paired mobile device and connect or delete a device.

## Audio Settings

Press  to display the main page.

Press **Audio** to access the various items to be set:

- **Radio Settings:** to activate/deactivate the radio functions (e.g. Radio Data System (RDS), Alternative Frequency (AF), Traffic Announcement (TA)).
- **Balance/Fader:** to adjust the left/right (Balance) and front/rear (Fader) sound distribution.
- **Equalizer:** to adjust the treble, mid and bass sound levels and to activate/deactivate the loudness and speed dependent volume control functions.
- **Volume:** to adjust the volume according to each sound source.

## Clock Settings

Press  to display the main page.

Press the clock tab to access the various items to be set:

- **Date and Time:** to manually adjust the date and time.
- **Format:** to choose the date and time display format.

## Date and Time

Select **Set Date**.

Adjust the day, month and year using the up and down arrows.

Press **OK** to validate.

Select **Set Time** Adjust the hours and minutes using the up and down arrows.

Press **OK** to validate.

## Format

Select **Date Format:** DD/MM/YYYY, MM-DD-YY or YYYY-MM-DD.  
Select **Time Format:** 24#hour or 12#hour.

## Help

Press .

Select the tab for user manual to consult the vehicle's owner's manual.  
Or

In the list, select the tab for tutorials to watch explanatory videos for a quick start on screen management, certain driving aids and voice recognition.

## Smartphone Station

The Smartphone Station is operated via the MyOpel App on an external device, such as a mobile phone, that is connected to the vehicle via Bluetooth.

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The following menus can be selected:

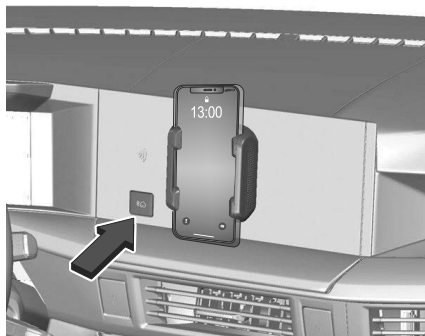
- Library: browse playlists, artists, albums, tracks and directories.
- Phone: make and receive phone calls.
- Web radio: select from various web radio stations.
- Tuner radio: manually search for radio stations.
- Settings: personalize system settings.

### Installation of the external device

Pull the slide holder to the right, insert the mobile device into the support and fix it with the slide holder.

## Pairing a mobile device

### Automatic pairing



Push the Bluetooth button of the smartphone station to enable bluetooth visibility.

Open the Bluetooth menu on the mobile device and activate the scan function.

The system will automatically search for new devices.

The LED in the button flashes green to indicate that the Smartphone Station has been detected.

If the Bluetooth connection is ready, the LED in the button illuminates green and the smartphone station will be visible as MyOpel in the Bluetooth menu.

### Manual pairing

If the system does not find the mobile device automatically, press and hold the Bluetooth button.

The LED in the button flashes green to indicate that the Smartphone Station is visible. If the Bluetooth connection is ready, the LED in the button illuminates green and the vehicle identification number will be visible in the Bluetooth menu.

# STARTING AND OPERATING

## Starting And Stopping The Engine

### New Vehicle Running-In

Do not brake unnecessarily hard for the first few journeys.

During the first drive, smoke may occur because of wax and engine oil evaporating off the exhaust system.

Park the vehicle in the open for a while after the first drive and avoid inhaling the fumes.

During the running-in period, fuel and engine oil consumption may be higher. Additionally, the cleaning process of the exhaust filter may take place more often.

Exhaust filter ➞ 101

### Engine start

Operate the brake pedal and press Start/Stop.

### Ignition on power mode without starting the engine

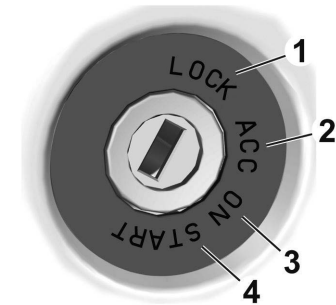
Press Start/Stop without operating the brake pedal. Control indicators illuminate and most electrical functions are operable.

### Engine and ignition off

Press **Start/Stop** briefly in each mode or when engine is running and vehicle is stationary. Some functions remain active until driver's door is opened.

## Starting The Engine

### Vehicles with ignition switch



Turn key to position 3 to release the steering wheel lock.

Automatic transmission: operate brake pedal.

Do not operate accelerator pedal.

Turn key briefly to position 4 and release after engine has been started.

Stop-start System ➞ 102

Automatic transmission: during an Autostop, the engine can be started by releasing the brake pedal.

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## Starting the vehicle at low temperatures

Starting the engine without additional heaters is possible down to  $-30\text{ }^{\circ}\text{C}$  for petrol engines.

Required is an engine oil with the correct viscosity, the correct fuel, performed services and a sufficiently charged vehicle battery.

With temperatures below  $-30\text{ }^{\circ}\text{C}$  the automatic transmission requires a warming phase of approx. five minutes. The selector lever must be in position **P**.

## Turbo engine warm-up

Upon start-up, engine available torque may be limited for a short time, especially when the engine temperature is cold. The limitation is to allow the lubrication system to fully protect the engine.

## Overrun cut-off


The fuel supply is automatically cut off during overrun, i.e. when the vehicle is driven with a gear engaged but accelerator pedal is released.


Depending on driving conditions, the overrun cut-off may be deactivated

## Operation In Case Of Failure



In the event of a key battery malfunction, to unlock the steering wheel and start the engine, place the electronic

key on  on the cupholder in the center console.

For vehicles with automatic transmission, move the gear selector to the parking position **P**, press the brake pedal, then press the **Start/Stop** button .

## Steering Wheel Lock

Remove the key from the ignition switch and turn the steering wheel until it engages.

If power steering assist is lost because the engine stops or due to a system malfunction, the vehicle can be steered but may require increased effort.

### **WARNING**

If the vehicle battery is discharged, the vehicle must not be towed or tow-started as the steering wheel lock cannot be disengaged.

### **WARNING**

#### **Locking of the steering column**

In the event of a battery malfunction, the steering column remains locked. Do not try to start the vehicle by pushing it and do not tow it.

## Stop & Start Automatic Function

The stop-start system helps to save fuel and to reduce the exhaust emissions. When conditions allow, it

switches off the engine as soon as the vehicle is at a low speed or at a standstill, e.g. at a traffic light or in a traffic jam.

### Activation

By default, the system is activated when the ignition is switched on.



The system is ready to operate when the LED in the button is not illuminated. To activate the system when the system is deactivated, press **(A)**. If the stop-start system is temporarily not available and the button is pressed, the LED in the button flashes.

### Deactivation

Deactivate the stop-start system manually by pressing **(A)**.

The deactivation is indicated when the LED in the button illuminates.

### Autostop

#### Vehicles with automatic transmission

If the vehicle is at a standstill with depressed brake pedal, Autostop is activated automatically. The engine will be switched off while the ignition stays on. The stop-start system will be disabled on inclines of 12 % or more.

### Indication

An Autostop is indicated by control indicator



During an Autostop, the heating and brake performance will be maintained.

### Conditions for an Autostop

The stop-start system checks if each of the following conditions is fulfilled.

- The stop-start system is not manually deactivated.

- The driver's door is closed or the driver's seat belt is fastened.
- The vehicle battery is sufficiently charged and in good condition.
- The engine is warmed up.
- The engine coolant temperature is not too high.
- The engine exhaust temperature is not too high, e.g. after driving with high engine load.
- The ambient temperature is not too low or too high.
- The climate control system allows an Autostop.
- The brake vacuum is sufficient.
- The self-cleaning function of the exhaust filter is not active.
- The vehicle was driven at least at walking speed since the last Autostop.

Autostop will be inhibited if these conditions are not met. In addition, Autostop may be inhibited:

- by certain settings of the climate control system  $\Rightarrow$  75
- immediately after higher speed driving
- in the case of new vehicle running-in  $\Rightarrow$  101

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- by active demisting
- in the case of steep ascending or descending slopes
- if the vehicle has not exceeded 10 km/h since the last engine start

In these cases, the icon on the cluster flashes a few seconds and then goes off.

**i NOTE**

The Autostop may be inhibited for several hours after a battery replacement or reconnection.

**Vehicle battery discharge protection**

To ensure reliable engine restarts, several vehicle battery discharge protection features are implemented as part of the stop-start system.

**Power saving measures**

During an Autostop, several electric features such as auxiliary electric heater or rear window heating are disabled or switched to a power saving mode. The fan speed of the climate control system is reduced to save power.

**Restart of the engine by the driver**

After the engine has been restarted, an Autostop is not available until the vehicle has reached a speed of 8 km/h.

**Vehicles with automatic transmission**

The engine is restarted in the following cases:

- brake pedal released while the selector lever in position **D** or **M**
- brake pedal released or selector lever in position **N** when selector lever is moved to position **D** or **M**
- selector lever moved to position **R**

**Restart of the engine by the stopstart system**

If one of the following conditions occurs during an Autostop, the engine will be restarted automatically by the stop-start system:

- stop-start system manually deactivated
- driver's seat belt unfastened and driver's door opened
- engine temperature too low
- charging level of vehicle battery below a defined level

- brake vacuum not sufficient
- vehicle is driven or rolls at least at walking speed
- climate control system requests engine start
- air conditioning manually switched on

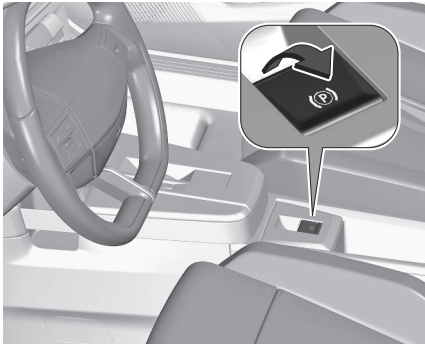
If an electric accessory, e.g. a portable CD player, is connected to the power outlet, a brief power drop during the restart might be noticeable.

**Brakes**

**Parking Brake**

**⚠ WARNING**

Before leaving the vehicle, check parking brake status. Control indicator illuminates constantly when electric parking brake is applied.



### Applying when vehicle is stationary

#### **WARNING**

Pull (P) for a minimum of one second until (P) illuminates constantly and the electric parking brake is applied.

The electric parking brake operates automatically with adequate force. Before leaving the vehicle, check the electric parking brake status.

The electric parking brake can always be activated, even if the ignition is off. Do not operate the electric parking brake system too often without engine

running as this will discharge the vehicle battery.

### Releasing

Switch on the ignition. Keep the foot brake pedal depressed and then push (P).

### Drive away function


Vehicles with automatic transmission: Engaging **R**, **D**, **C** or **L** and then depressing the accelerator pedal releases the electric parking brake automatically. This is only possible if the automatic operation of the electric parking brake is activated. It is not possible when (P) is pulled at the same time.

### Braking when vehicle is moving

When the vehicle is moving and (P) is kept pulled, the electric parking brake system will decelerate the vehicle. As soon as (P) is released, braking will be stopped.

The antilock brake system and the Electronic Stability Control stabilize the vehicle while (P) is kept pulled.

If an error of the electric parking brake occurs, a warning message is displayed on the cluster.

If the antilock brake system and the Electronic Stability Control fail, one or both of these control indicators  (ABS) illuminate on the cluster. In this case, stability during deceleration of the vehicle can only be maintained with repeated short pulls of the switch until the vehicle is immobilized.

### Automatic operation

Automatic operation includes automatic application and automatic release of the electric parking brake.

The electric parking brake can also be applied or released manually by using (P).

### Automatic application

- The electric parking brake is automatically applied when the vehicle is stationary and the ignition is switched off.
- (P) illuminates on the cluster and a display message pops up to confirm the application.

### Automatic release

The automatic release of the electric parking brake is inhibited as long as the driver's door is open.

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Parking brake releases automatically on driving off.

- (ABS) extinguishes on the cluster and a display message pops up to confirm the release.

### Deactivation of automatic operation

In certain situations, e.g. in extreme cold weather conditions or when towing, it may be necessary to deactivate the automatic operation of the electric parking brake.

1. Start the engine.
2. If the parking brake is released, pull (P) to apply the parking brake.
3. Take your foot off the brake pedal.
4. Press (P) for at least ten seconds and maximum 15 seconds.
5. Release (P).
6. Depress and hold the brake pedal.
7. Pull (P) for two seconds.

### Fault

Failure mode of electric parking brake is indicated by the control indicator (P)! and by a message displayed on the cluster.

Control indicator of parking brake flashes: electric parking brake is not fully applied or released. When continuously flashing, release electric parking brake and retry applying.

### Brake Assist

If the brake pedal is depressed quickly and forcefully, maximum brake force is automatically applied.

Operation of brake assist might become apparent by a pulse in the brake pedal and a greater resistance when depressing the brake pedal. Maintain steady pressure on the brake pedal as long as full braking is required. Maximum brake force is automatically reduced when brake pedal is released.

### Active Emergency Braking

This system reduces the emergency stopping distance, by optimizing the braking pressure. It is triggered in relation to the speed at which the brake pedal is depressed. The effect of this is a reduction in the resistance of the pedal and an increase in braking efficiency.

## Regenerative Braking

### WARNING

In the case of extreme temperatures or if the high voltage battery is almost fully charged, the brake force of the engine braking may be temporarily reduced. If the braking force is not sufficient, the driver has to be prepared to use the brake pedal.

### WARNING

Depending on the engine braking force the brake lights are illuminated.

BEV: Regenerative braking generates electric energy resulting from engine braking to charge the high voltage battery.  
 Drive Selector (BEV) ⇨ 108  
 Hybrid 48 V vehicle: Regenerative braking generates electric energy resulting from engine braking to charge the 48 V battery.  
 Automatic transmission Hybrid 48 V  
 ⇨ 107

## BEV

By default, the regenerative braking is automatically activated in **D** mode at every engine start. The vehicle slows more quickly when the driver releases the accelerator pedal.

The energy recovered when the accelerator pedal is released is then used to partially recharge the traction battery, thereby increasing the vehicle's range.

### Mode C

The level of regenerative braking can be reduced by activating **C** (comfort) mode.

From **D** mode, press button **C** to enter comfort mode (the button lights up when **C** is activated)

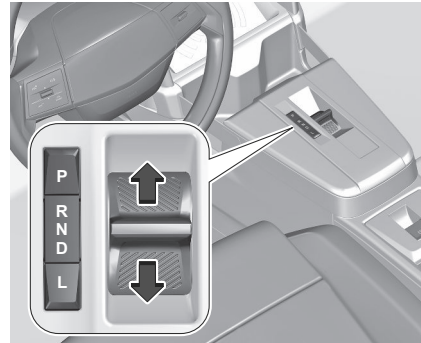
**C** is displayed on the instrument panel close to **D**

The vehicle will still provide regenerative braking and energy recovery, but the levels are less than in **D** mode.

The **C** mode is not saved when the ignition is switched off.

## Transmissions

### Automatic Transmission Hybrid 48 V



- P** : Park mode
- R** : Reverse mode
- N** : Neutral mode
- D** : Automatic mode
- L** : Low dynamic mode

After moving the selector it returns to the centre position. The engaged mode is indicated on the cluster.

Moving the selector beyond the resistance point skips neutral mode **N**.

Never depress the accelerator pedal and brake pedal at the same time.

When **D** or **R** is engaged, the vehicle slowly begins to creep when the brake is released.

### Hybrid 48 V characteristics

The electric engine operates during start and acceleration. Driving propelled by electric engine only is possible at low speeds, e.g. during parking manoeuvres or stop and go traffic. If driving on motorways with a slope at a speed less than 150 km/h, the ICE is switched off automatically when possible and the vehicle is propelled by the electric engine for a short distance.

### Park Mode P

To engage **P**, press button **P** when vehicle is stationary. In **P**, the front wheels of the vehicle are blocked. To disengage **P**, depress the brake pedal and select the desired mode. **P** is automatically engaged when :

- the ignition is switched off
- the driver's door is opened while the vehicle's speed is below 5 km/h
- **N** has been selected for some time

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## Reverse Mode R

To engage or disengage **R**, the vehicle must be at standstill and the brake pedal has to be depressed.

### ⚠ CAUTION

Engaging **R** while the vehicle is moving forward could damage the automatic transmission. Only select **R** after the vehicle has been stopped.

## Neutral Mode N

In this mode, the propulsion system does not transfer torque to the wheels.

## Automatic Mode D

This mode is for normal driving.

Hybrid 48 V ⇨ 107

e-Auto mode ⇨ 112

## Low Dynamic Mode L

In this mode, engine RPM will increase to provide higher engine braking when going downhill.

Press **L** to engage low dynamic mode.

## Drive Selector (BEV)

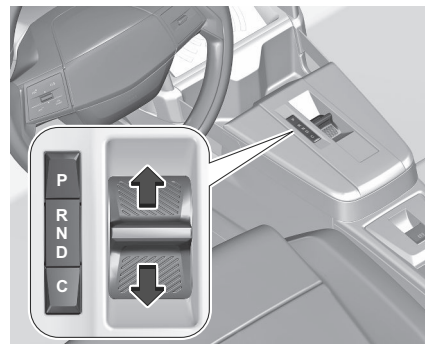
### ⚠ CAUTION

If the vehicle seems to accelerate slowly or not respond when you try to go faster, do not continue your journey. The drive selector could be damaged. Consult a workshop as soon as possible.

### ⚠ CAUTION

Spinning the tires or holding the vehicle in one place on a hill using only the accelerator pedal may damage the drive selector. If you are stuck, do not spin the tires. When stopping on a hill, use the brakes to hold the vehicle in place.

## Selector lever operation



Move the selector or press the respective buttons.

- P** Park mode
- R** Reverse mode
- N** Neutral mode
- D** Automatic mode
- C** Comfort mode

After moving the selector it returns to the centre position. The engaged mode is indicated on the cluster.

Moving the selector beyond the resistance point skips neutral mode **N**.

Never depress the accelerator pedal and brake pedal at the same time. When **D** or **R** is engaged, the vehicle slowly begins to creep when the brake is released.

### Park Mode P

To engage **P**, press button **P** when vehicle is stationary. In **P**, the front wheels of the vehicle are blocked. To disengage **P**, depress the brake pedal and select the desired mode. **P** is automatically engaged when :

- the ignition is switched off
- the driver's door is opened while the vehicle's speed is below 5 km/h
- **N** has been selected for some time

If the vehicle is moving too fast **P** is not engaged.

### Reverse Mode R

To engage or disengage **R**, the vehicle must be at standstill and the brake pedal has to be depressed.

#### CAUTION

Engaging **R** while the vehicle is moving forward could damage the

automatic transmission. Only select **R** after the vehicle has been stopped.

### Neutral Mode N

In this mode, the propulsion system does not transfer torque to the wheels.

### Automatic Mode D

This mode is for normal driving. When **D** is engaged, regenerative braking is enabled by default.

### Comfort Mode C

Press **C** to deactivate regenerative braking. The LED in the button illuminates. Press **C** again to enable regenerative braking.

When the ignition is switched off, **C** mode is deactivated.

Regenerative braking ⇨ 106

### Gear Shift Indication

▲ or ▼ with a number beside it is indicated when gearshifting is recommended for fuel saving reasons.

### Electronic Driving Programmes


Following a cold start, the operating temperature programme increases

engine speed to quickly bring the catalytic converter to the required temperature.

Special programmes automatically adapt the shifting points when driving up inclines or down hills.

In snowy or icy conditions or on other slippery surfaces, the electronic transmission control enables the driver to select manually first, second or third gear for starting off.

### Fault

In the event of a fault,  illuminates a message is displayed on the cluster. Vehicle messages ⇨ 74 km/h Do not drive faster than 100 km/h. Seek the assistance of a workshop.

### Interruption Of Power Supply

In the event of an interruption of power supply, it is not possible to select another mode when **P** is engaged.

Towing the vehicle ⇨ 167

If the vehicle battery is discharged, start the vehicle using jump leads.

Jump starting ⇨ 162

If the vehicle battery is not the cause of the fault, seek the assistance of a workshop.

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## Free Wheeling

In certain situations, e.g., in an automatic car wash etc., it is necessary that the wheels can move freely when the engine is switched off.

To enable free wheeling, the vehicle has to be stationary, the engine has to be running and the driver's door has to be closed.

### ICE and BEV:

1. Depress the brake pedal and select **N**.
2. Release the brake pedal and switch off ignition.

A message is displayed on the cluster indicating that the wheels are unblocked for the next 15 minutes.

To revert to normal operation, depress and hold the brake pedal, switch on the engine and press **P**.

### Hybrid 48 V:

No free wheeling with the engine switched off.

## Drive Modes

### Electric Engine (Hybrid 48 V)

The electric engine included in the automatic gearbox, which is used for the first start, provides 12 V power supply via the DC/DC converter and provides electric assistance to the petrol engine.

The electric engine has the following features:

- Provide an additional torque to the gearbox, optimising the performance of the petrol engine.
- Recover the kinetic energy of the deceleration phases, converting it into electrical energy, which can be used for traction or for the power supply of electrical accessories installed on the vehicle.
- Recharge the 48 V traction battery when the state of charge is too low.
- Provide all-electric driving only.

These features are achieved through the following functions set of automatic operating mode:

- e-Boost

- e-Creeping
- e-Launch
- e-Queueing
- e-Parking

A manual operating mode is also available to activate/deactivate the restart of the petrol engine while driving: the e-Auto mode.

### CAUTION

When mode **P** or **N** is selected on the automatic gearbox, the noise level in the engine compartment may increase due to the start of the charging phase of the traction battery: this is normal and does not represent a malfunction.

### Operation

Only appropriate mode change instructions are validated.

With the engine running, if it is necessary to depress the brake pedal to change modes, an alert message will be displayed on the instrument panel.

**⚠ WARNING**

With the engine running and the brakes released, if **R**, **D** or **L** is selected, the vehicle moves off, even without pressing the accelerator pedal. Never depress the accelerator and brake pedals at the same time - risk of damage to the gearbox!

**⚠ CAUTION**

If you open the driver's door while mode **N** is engaged, an audible signal will sound and mode **P** will be engaged. The audible signal stops when the driver's door is closed.

**⚠ WARNING**

At speeds below 5 km/h opening the driver's door will engage mode **P** - risk of sudden braking!

**⚠ WARNING**

In the event of battery failure, it is essential to place the chock(s)

supplied with the tool kit against one of the wheels to immobilise the vehicle.

**Special aspects of automatic mode**

These functions respond to common driving situations where the electric engine is available to provide additional power or zero-emission driving.

**⚠ CAUTION**

These functions are only available if the traction battery is sufficiently charged. These five functions cannot be deactivated.

**e-Launch**

With the petrol engine off, this function allows the vehicle to run in electric mode without affecting performance. By depressing the accelerator pedal, the vehicle starts to drive as soon as the mode **D** or **R** of the automatic gearbox is selected.

**e-Creeping**

With the petrol engine off, by releasing the brake pedal, this function allows the vehicle to be moved forward or backward in electric mode without

having to depress the accelerator pedal, as soon as the mode **D** or **R** of the automatic gearbox is selected.

**e-Queueing**

This function makes it possible to follow a queue of vehicles with several stops followed by restarts of the vehicle, using the e-Creeping, e-Launch and electric driving modes.

**e-Parking**

This function allows parking manoeuvres to be carried out at reduced speed with the help of the electric engine when the mode **D** or **R** of the automatic gearbox is selected.

**e-Boost**

This function allows simultaneous operation of the petrol engine and the electric engine, combined with the automatic gearbox.

By fully depressing the accelerator pedal ("kick-down" function), when the traction battery is fully charged, it is possible to exceed the torque of the petrol engine alone, thanks to the additional torque provided by the electric engine.

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**⚠ CAUTION**

Repeated use of the brake pedal causes the restart of petrol engine to provide braking assistance.

**Special aspects of manual mode**

The gearbox only changes from one gear to another if the vehicle speed and engine speed conditions permit.

The petrol engine can also be switched off in manual mode when stopped in traffic or when the accelerator pedal is released.

The all-electric potential of the driving mode used (**Normal or Eco**) is also retained.

**E-Auto Mode**

The petrol engine stops when low power or torque is required and in stabilised conditions. The petrol engine is restarted by the belt starter.

**The e-Auto mode can switch off the petrol engine in the following cases:**

- When the operating strategies permit.
- Vehicle speed up to 145 km/h.

- When the driver releases the accelerator pedal in stabilised conditions or in deceleration.
- During the stop phases.

Restarting is only achieved by the belt starter until the torque demand is available, if the traction battery is sufficiently charged. When the torque demand is insufficient, the petrol engine restarts.

**The e-Auto mode cannot switch off the petrol engine in the following cases:**

- The state of charge is less than 30 % of the traction battery energy.
- There is a need for vacuum brake assist depending on the altitude.
- The Sport mode is selected.
- Maintaining thermal comfort in the passenger compartment (heating, air conditioning, demisting/defrosting).

**Deactivation/Reactivation**

By default, the function is activated when the ignition is switched on.

The "**e-Auto OFF**" control on the dashboard activates/deactivates the e-Auto mode

- Press the dashboard button.

The display of a message on the instrument panel confirms the change of state.

When the function is deactivated, the e-auto indicator lights up in the instrument panel.

**⚠ CAUTION**


If high traction is required, the driver can deactivate the e-Auto mode using the dashboard button.

**Engine Exhaust****⚠ WARNING**

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled. If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault rectified by a workshop. Avoid driving with an open load compartment, otherwise exhaust gases could enter the vehicle.

## Exhaust Filter

### Automatic cleaning process


The exhaust filter system filters soot particles out of the exhaust gases. The start of saturation of the exhaust filter is indicated by the temporary illumination of  accompanied by a message on the cluster.

km/h km/hAs soon as the traffic conditions permit, regenerate the filter by driving at a vehicle speed of at least 60 km/h until the control indicator extinguishes.

#### NOTE

On a new vehicle, the first exhaust filter regeneration operations may be accompanied by a burning smell, which is normal. Following prolonged operation of the vehicle at very low speed or at idle, water vapour can be emitted at the exhaust on acceleration. This does not affect the behaviour of the vehicle or the environment.

### Cleaning process not possible

If  stays on, accompanied by an audible signal and a message, this indicates that the exhaust filter additive level is too low.

The reservoir must be topped-up without delay. Seek the assistance of a workshop.

### Catalytic Converter

The catalytic converter reduces the amount of harmful substances in the exhaust gases.

#### WARNING

Fuel grades other than those listed on pages ⇒ 223, ⇒ 282 could damage the catalytic converter or electronic components.

Unburnt fuel will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

In the event of misfiring, uneven engine running, a reduction in engine performance or other unusual problems, have

the cause of the fault rectified by a workshop as soon as possible. In an emergency, driving can be continued for a short period, keeping vehicle speed and engine speed low.

## Fuel

### Fuels Compatibility



Only use unleaded fuel that complies with European standard EN 228 or E DIN 51626-1 or equivalent.

The engine is capable of running with fuel that contains up to 10% ethanol (e.g. named E10). Use fuel with the recommended octane rating. A lower octane rating can reduce engine power and torque and slightly increases fuel consumption.

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**NOTE**

The only petrol additives authorized for are those that meet the B715001 standard.

**CAUTION**

Do not use fuel or fuel additives that contain metallic compounds such as manganese-based additives. This may cause engine damage.

**CAUTION**

Use of fuel with a lower octane rating than the lowest possible rating could lead to uncontrolled combustion and engine damage.

The engine specific requirements regarding octane rating are given in the engine data overview → 199. A country-specific label at the fuel filler flap can supersede the requirement. In certain countries, the use of a particular fuel, e.g. a specific octane rating, may be required to ensure proper engine operation.

**Refuelling****WARNING**

Before refuelling, switch off ignition and any external heaters with combustion chambers.

Follow the operating and safety instructions of the filling station when refuelling.

**WARNING**

Fuel is flammable and explosive. No smoking. No naked flames or sparks.

If you can smell fuel in your vehicle, have the cause of this remedied immediately by a workshop.

A label with symbols at the fuel filler flap is indicating the allowed fuel types. In Europe the pump nozzles of the filling stations are marked with these symbols. Refuel only the allowed fuel type.

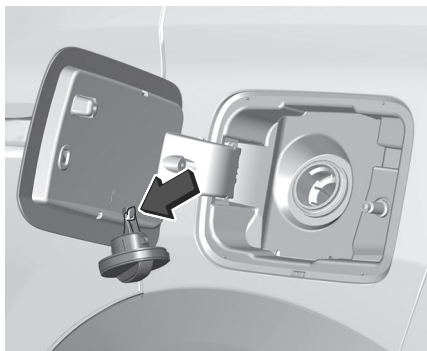
**CAUTION**

In case of misfuelling, do not switch on ignition.

The fuel filler flap is located at the left rear side of the vehicle.



The fuel filler flap can only be opened if the vehicle is unlocked. Release the fuel filler flap by pushing the flap. To open, turn the cap slowly anticlockwise.



The fuel filler cap can be attached to the hook on the fuel filler flap.

Place the nozzle in straight position to the filler neck and press with slight force to insert.

To refuel, switch on the pump nozzle. After the automatic cut-off, the tank can be topped up by operating the pump nozzle a maximum of two more times.

### ⚠ CAUTION

Wipe off any overflowing fuel immediately.

### ℹ NOTE

Fuel top-ups must exceed 5 L and performed with the vehicle **switched**

**off** to be registered by the fuel gauge.

To close, turn the fuel filler cap clockwise. Close the flap and allow it to engage.

### Fuel filler cap

Only use genuine fuel filler caps.

## Fuel Consumption And CO2 Emissions

All values are combined values under WLTP condition.

ICE : The fuel consumption is within a range of 36 to 56 mpg.

The CO<sub>2</sub> emission is within a range of 148 to 111 g/km.

Propulsion types ⇨ 6

### General information

For the values specific to your vehicle, refer to the Certificate of Conformity provided with your vehicle or other national registration documents.

The determination of fuel consumption is regulated by directive R (EC) No.715/2007 and No.2017/1151 (in the latest applicable version).

The specification of CO<sub>2</sub> emission is also a constituent of the directive.

The figures given must not be taken as a guarantee for the actual fuel consumption of a particular vehicle. Furthermore, fuel consumption is dependent on personal driving style as well as road and traffic conditions. All values are based on the EU base model with standard equipment. The calculation of fuel consumption takes into account the vehicle's kerb weight, ascertained in accordance with the regulations. Optional equipment may result in slightly higher fuel consumption and CO<sub>2</sub> emission levels and a lower maximum speed.

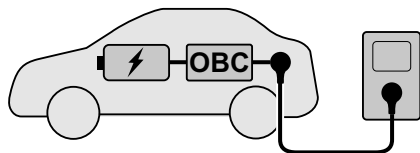
## Charging

### General Information

#### ⚠ WARNING

Persons with a pacemaker should consult a doctor for possible precautions.

Charging the vehicle's high voltage battery depends upon several factors:



- high voltage battery of the vehicle
- internal onboard charger (OBC)
- charging cable
- external charging device

The charging cable connects the vehicle with an external charging device providing electric power. This may be a domestic electrical outlet, a Green'Up socket, a wall box or a public charging station.

The high voltage battery is charged with direct current (DC) only. When charging the vehicle with alternating current (AC), AC has to be converted into DC. This is done by the vehicle's onboard charger. The onboard charger is available with 7.4 kW (single-phase) and 11 kW (3-phase).

If the vehicle is charged at a public DC charging station, no DC conversion is required. The high voltage battery can be directly charged with DC provided by the DC charging station. The speed of charging the vehicle's high voltage battery depends upon the weakest element of the charging chain. To achieve the maximum charging speed, charging cable and charging device have to be attuned to each other.

### **i** NOTE

Make sure that the charging cable used fits to the vehicle's onboard charger.

Charging types ⇨ 116

Charging cable ⇨ 121

### **Electric power consumption and range**

The electric power consumption (combined) is within a range of 18.5 kWh / 100 km.

The range is up to 400 km. For the values specific to your vehicle, refer to the Certificate of Conformity

provided with your vehicle or other national registration documents. The determination of electric power consumption is regulated by directive R (EC) No. 715/2007 and No. 2017/1151 (in the latest applicable version).

## **Charging Types**

There are different types of charging the vehicle's high voltage battery.

### **Charging at wallboxes**



A wallbox is a charging unit for private households. It provides a charging cable which has to be connected to the vehicle's charging port. Some wallboxes do not provide a charging cable. In this case, a separate charging

cable is required which has to be connected to both the wallbox and the charging port of the vehicle. Charging time may take approx. five hours with a charging power of 11kW or seven and half hours with a charging power of 7.4kW.

### Charging at charging stations

Charging stations may provide alternating current (AC) or direct current (DC). Charging time may vary depending on the charging station, DC charging stations provide the fastest charging. To charge the vehicle's battery, the charging cable of the charging station has to be connected to the charging port of the vehicle.



- AC charging station: Charging time may take approx. five hours with a charging power of 11kW or seven and half hours with a charging power of 7.4kW.



- DC charging station: Up to approx. 80% of battery capacity may be charged in approx. 30 minutes at a charging power of 100kW.

### Charging at domestic electrical outlets



- The vehicle's high voltage battery can be charged at a domestic electrical outlet. Connect the charging cable to the vehicle's charging port and to the domestic electrical outlet. Charging time may take approx. 30 hours with a charging power of 1.8kW.

## High Voltage Battery

### ⚠ WARNING

Damage to the high voltage battery or high voltage system can create a risk of electric shock, overheating, or fire.

If the vehicle has been damaged or affected by a moderate to severe crash, it must be inspected as soon as possible by qualified personnel. Until the technical inspection has been carried out, the vehicle must be stored outside at a minimum distance of 5 metres from any structure or other flammable objects. If the vehicle has been damaged or affected by flood or fire, it must not be moved at all and has to be inspected by qualified personnel as soon as possible.

To preserve the range and the durability of the high voltage battery, the following is recommended:

- It is recommended to charge the high voltage battery to a charging level of 100% once a week to optimize battery performance and long-term health.

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When the vehicle has not been fully charged for 1500 km, a message will be shown on the instrument cluster reminding to do so as soon as possible.

If the vehicle has been parked for longer than one week without charging, start the vehicle as usual and charge the high voltage battery to a charging level of 100% as soon as possible.

- Do not completely discharge the high voltage battery.
- Do not store the vehicle for a long period of non-use (more than twelve hours) when the high voltage battery has a low or high charge level. Prefer a charge level between 20 and 40%.
- Limit the use of fast charging.
- Do not expose the vehicle to temperatures below -30 °C and above 60 °C for more than 24 hours.
- Avoid charging the vehicle at low temperatures (except if the vehicle ran more than 20 minutes) or above 30 °C.
- Do not use the high voltage battery as a generator of energy.
- Do not use a generator to recharge the high voltage battery.

Vehicle storage ⇨ 191

### Leakage

Damage to the high voltage battery could result in the leakage of toxic gases or fluids either immediately or later. The following is recommended:

- Always inform the fire and emergency services in the event of an incident, that the vehicle is equipped with a high voltage battery.
- Never touch the liquids leaking from the high voltage battery.
- Do not inhale the gases emitted by the high voltage battery which are toxic.
- Move away from the vehicle in the event of incident or accident, the gases emitted being flammable and could cause a fire.
- Too low a coolant level must be topped up and the cause of the coolant loss remedied by a workshop.

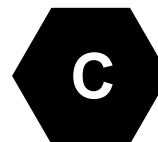
## Charging

### WARNING

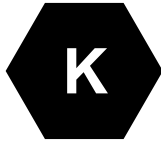
Persons with a pacemaker or similar devices should consult a doctor for possible precautions.

If in doubt, during charging do not remain inside or near the vehicle, near the charging cable or the charging unit.

In order to ensure the compatibility of plug and outlet, different labels are used. The labels are located on the inside of the vehicle's charging port flap. Make sure to connect only a cable of the same type.



Type 2 plug or outlet used for AC charging



FF plug or outlet used for DC charging

**⚠ WARNING**

Avoid any entry of fluids into the charging port of the vehicle, the vehicle plug of the charging cable and the domestic electrical outlet.

When charging at a public AC charging station / public DC charging station, follow the instructions for the use of the respective charging station. Public AC charging stations may not provide an integrated charging cable. In this case, a portable mode 3 charging cable is required.

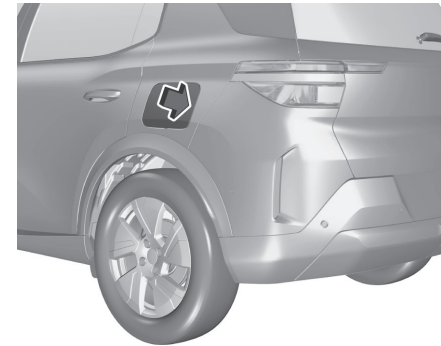
**⚠ WARNING**

When charging at a domestic electrical outlet, only use an outlet which is properly grounded and protected by a 30 mA differential switch. Only use a domestic electrical outlet protected by a circuit breaker adapted to the amperage of the electrical circuit.

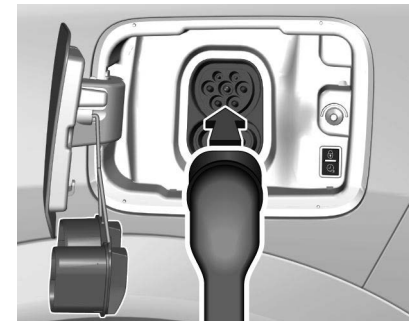
Have a qualified electrician check the electrical installation to be used. The installation has to be in compliance with national standards and compatible with the vehicle.

When using a dedicated domestic electrical outlet, have it installed by a qualified electrician. Make sure that the electrical outlet, the plug and the cable do not support the weight of the control box.

1. Shift into **P** and switch off the vehicle.



2. Push the charging port flap to release it.
3. If necessary, take the charging cable out of the load compartment.
4. If necessary, plug in the plug of the charging cable into the corresponding port of the external power source. ➡ 121



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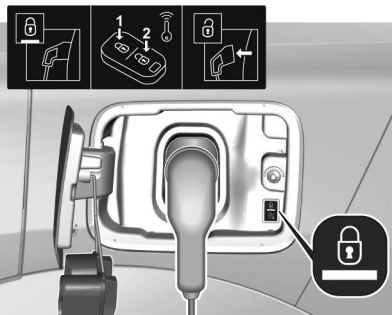
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5. Plug in the vehicle plug of the mode 3 charging cable into the charging port of the vehicle.

Charging status ⇨ 123

The start of charging is indicated by the green flashing of the status indicator at the charging port and at the control box of the charging cable, if available.




Once charging, the vehicle plug will be locked to the charging port and cannot be disconnected while charging is active.  illuminates. Charging types ⇨ 116


### Cancelling the charging process

#### NOTE

At public charging stations, the cancelling and subsequent resuming of the charging process may cause additional costs.

Once the charging process has started, only the driver's door can be unlocked without cancelling the charging process. Therefore, activate the driver's door only function in the vehicle personalisation.

Press  on the remote control to cancel the charging process at any time.

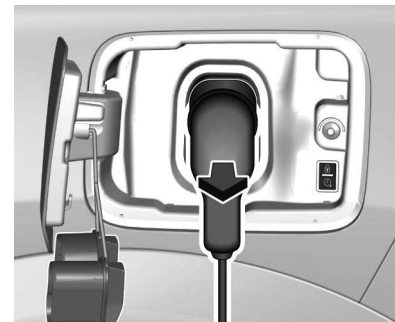
Press  twice to cancel the charging process at any time if the function driver's door only is activated in the vehicle personalisation.

Central locking system ⇨ 8

### Stop charging

The high voltage battery is fully charged if the status indicator on the charging port permanently illuminates green.

1. Unlock the vehicle before removing the vehicle plug from the charging port.  
If the vehicle is already unlocked, lock the vehicle and unlock it again.



2. Disconnect the vehicle plug of the charging cable from the charging port within 30 seconds after unlocking.
3. Close the charging port flap by pressing firmly in the centre to latch properly.
4. Disconnect the charging cable from the external power source.
5. If necessary, store the charging cable in the load compartment.

While the charging cable is plugged into the vehicle, the vehicle cannot be driven.

## Charging Cable

Depending on the charging type, different charging cables are used.

### ⚠ WARNING

Improper use of portable charging cables may cause a fire, electrical shock, or burns, and may result in damage to property, serious injury, or death.

- Do not use extension cables, multi-outlet power strips, splitters, grounding adaptors, surge protectors, or similar devices.
- Do not use an electrical socket that is worn or damaged, or one that will not hold the plug firmly in place.
- Do not immerse the charging cable into any liquid.
- Do not use an electrical socket that is not properly grounded.
- Do not use an electrical socket that is on a circuit with other electrical loads.

### ⚠ WARNING

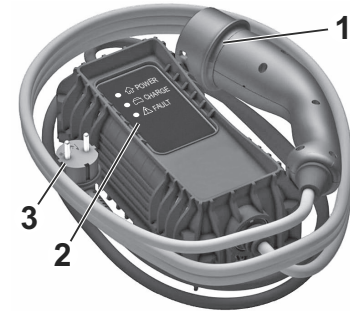
Read all the safety warnings and instructions before using this product. Failure to follow the warnings and the instructions may result in electric shock, fire, and / or serious injury. Never leave children unattended near the vehicle while the vehicle is charging and never allow children to play with the charging cable. If the plug provided does not fit the electrical outlet, do not modify the plug. Arrange for a qualified electrician to inspect the electrical outlet. Do not put fingers into the electric vehicle connector.

### ⚠ DANGER

There is a risk of electric shock that may cause personal injury or death. Do not use the charging cable if any part of the charging cable is damaged. Do not open or remove the charging cable cover. Service by qualified personnel only. Connect the charging cable to a

properly grounded outlet with cables that are not damaged.

### Basic domestic cable (mode 2) / enhanced domestic cable (mode 2)



1. Vehicle plug
2. Status indicators
3. Wall plug

Basic domestic cables (mode 2) are used for charging at domestic electrical outlets. A basic domestic cable (mode 2) consists of a vehicle plug, a control box and a plug for the domestic electrical outlet. The control box has an integrated charge controller and several LEDs indicating the charging status. Enhanced domestic cables (mode 2) are similar to basic domestic cables

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(mode 2). However, the charging performance of enhanced domestic cables (mode 2 charging) is better than the charging performance of basic domestic cables (mode 2).

Enhanced domestic cables (mode 2) are used at Green'Up sockets which have to be installed by a certified electrician at the customer's site.

### Charging cable status indicators

After plugging in the charging cable, it will perform a quick self test and all status indicators illuminate for a moment. For the functions of the status indicators, refer to the manual of the charging cable manufacturer.

### Important information about portable electric vehicle charging

- Charging an electric vehicle can stress a building's electrical system more than a typical household appliance.
- Before you plug in to any electrical outlet, have a qualified electrician inspect and verify the electrical system (electrical outlet, wiring, junctions and protection devices) for heavy-duty service at a 10 A continuous load.

- Electrical outlets may wear out with normal usage or be damaged over time, making them unsuitable for electric vehicle charging.
- Check the electrical outlet / plug while charging and discontinue use if the electrical outlet / plug is hot, then have the electrical outlet serviced by a qualified electrician.
- When outdoors, plug into an electrical outlet that is weatherproof while in use.
- Mount the charging cable to reduce strain on the electrical outlet / plug.

### Mode 3 charging cable



1. Vehicle plug
2. Plug for wall box / AC charging station

Mode 3 charging cables are used for charging at wall boxes and AC charging stations. A mode 3 charging cable provides a vehicle plug and a plug for the wall box / AC charging station. Wall boxes / AC charging stations may provide an integrated mode 3 charging cable. For more information on the mode 3 charging cable, refer to the manual of the charging cable manufacturer.

### Mode 4 charging cable

**NOTE**

Only use DC charging cables shorter than 30 metres.

Mode 4 charging cables are used for DC charging. Since mode 4 charging cables are integrated within DC charging stations, they only provide a vehicle plug.

### Programmable Charging




By default, charging starts as soon as the charging cable is connected to the charging port of the vehicle. It is also possible to schedule charging using the Infotainment Display.

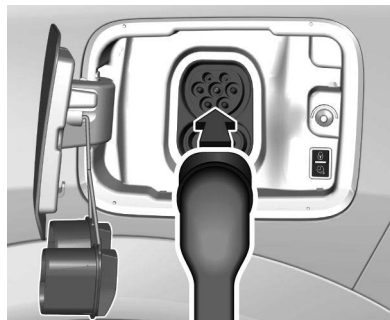
Programmable charging is only possible when charging at a domestic electrical outlet / Green'Up socket or a wall box.


Programmable charging is also available via the MyOpel App.

### **i** NOTE

On vehicles without integrated navigation system, programmable charging can only be used via the MyOpel App.

1. Press .
2. Select Charge.
- Starting and operating  101
3. Press .
4. Define the number of hours and minutes after which the loading process starts.
5. Press **OK**.
6. Plug in the vehicle.



7. Within one minute, press  or the bottom right to activate programmable charging.

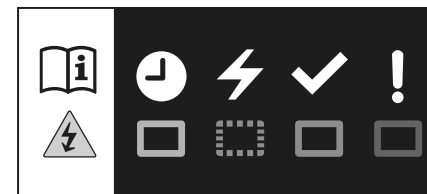
8. Depending on version, lock the vehicle.

The status indicator illuminates blue indicating that programmable charging is active.

Charging  115

Charging status  123

## Charging Status



If the vehicle is plugged in and the ignition is switched off, the charging status indicator indicates the following:

- Illuminates white or pink: welcome lighting when charging port flap is opened
- Illuminates green: charging complete
- Flashes green: charging initialisation or is in process
- Illuminates blue: programmable charging active
- Illuminates red: malfunction

A malfunction may be caused by the vehicle or the electrical installation at the customer's site.

Further charging status indicators are located on the control box of the basic domestic cable (mode 2) / enhanced domestic cable (mode 2).

Charging cable ⇨ 121  
 Programmable charging ⇨ 122

## Vehicle To Load (V2L)

Vehicle to Load (V2L) is a function that allows the use of the traction battery to power or charge external devices as long as the battery is above 30 % charge. If the battery reaches 30%, the energy transfer will stop automatically. The adapter plugs into the charging port of the vehicle and offers a standard 230V / 16A plug for connecting the external device.

### WARNING

Misuse of the adapter can create a risk of electricshocks or fire.

### WARNING

The device is water resistant, however using it in humid weather conditions, can create a risk of damage to the external device. The V2L adapter is not protected against submersion.

### NOTE

Charging external devices via the charging port of the vehicle will lower the charging level of the high voltage battery.

### NOTE

For more information, please refer to the manual supplied with the V2L device.

### Activation

- Push the charging port flap to open it.



Connect the V2L adapter to the charging port.

- Press the button on the adapter.
- When the LED on the adapter is illuminated steady green, connect the adapter and the external device.



is flashing green when the external device is being charged. A dedicated page will be shown on the touchscreen.

### Deactivation

- Press the button on the adapter to stop charging the external device.

- Disconnect the external device.
- Disconnect the adapter.
- Close the charging port flap by pressing it firmly to latch properly.

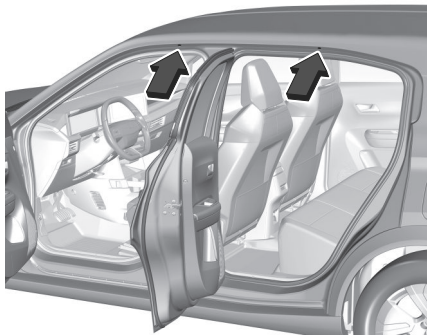
## Vehicle Loading

### Roof Rack System

For safety reasons and to avoid damage to the roof, the vehicle approved roof rack system is recommended.

Follow the installation instructions and remove the roof rack when not in use.

### Mounting Roof Rack Without Rail

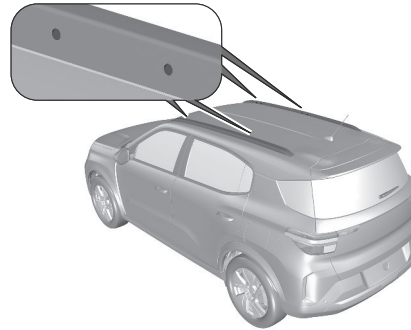


Open all doors.

Mounting points are located in each door frame of the vehicle body.

Fasten the roof rack according to the installation instructions delivered with the roof rack.

### Mounting Roof Rack With Rail



Markings at the roof rails indicate where the roof rack is to be installed.

## Trailer Towing

### General Information

#### ⚠ CAUTION

For new vehicles, only tow a trailer after having driven at least 997 kilometers.

Only use towing equipment that has been approved for your vehicle.

Entrust retrofitting of towing equipment to a workshop. It may be necessary to make changes that affect the cooling system, heat shields or other equipment.

Fitting of towing equipment could cover the opening of the towing eye.

If this is the case, use the coupling ball bar for towing. Always keep the coupling ball bar in the vehicle to have it on hand if needed.

### Trailer Loads

#### ⚠ WARNING

For Hybrid 48 V vehicles towing capacity is restricted as it may affect vehicle performance.

The permissible trailer loads are vehicle and engine-dependent maximum values which must not be exceeded.

The actual trailer load is the difference between the actual gross weight of the trailer and the actual coupling socket load with the trailer coupled.

The permissible trailer loads are specified in the vehicle documents. In general, they are valid for inclines up to 12 %.

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The permissible trailer load applies up to the specified incline and at sea level. Since engine power decreases as altitude increases due to the air becoming thinner, therefore reducing climbing ability, the permissible gross train weight also decreases by 10 % for every 1000 m of altitude. The gross train weight does not have to be reduced when driving on roads with slight inclines (less than 8 %, e.g. motorways).

The permissible gross train weight must not be exceeded. This weight is specified on the identification plate  
 ➞ 198

### Vertical coupling load

#### WARNING

If attaching accessories to the trailer hitch such as bicycle carriers, tow boxes etc., do comply with the maximum permissible vertical coupling load.

When using a bicycle carrier, do not transport more than four conventional bicycles or two electric bicycles. Make sure to place the heaviest

bicycle as close as possible to the vehicle.

The vertical coupling load is the load exerted by the trailer on the coupling ball. It can be varied by changing the weight distribution when loading the trailer.

The maximum permissible vertical coupling load 75 kg is specified on the towing equipment identification plate and in the vehicle documents.

Always aim for the maximum vertical coupling load, especially in the case of heavy trailers. The vertical coupling load should never fall below 25 kg.

### Rear axle load

When the trailer is coupled and the towing vehicle fully loaded, the permissible rear axle load (see identification plate or vehicle documents) may be exceeded by 60 kg, the gross vehicle weight rating must not be exceeded. If the permissible rear axle load is exceeded, a maximum speed of 100 km/h applies.

## Driving Characteristics And Towing Tips

Before attaching a trailer, lubricate the coupling ball. However, do not do so if a stabilizer, which acts on the coupling ball, is being used to reduce snaking movements.

During trailer towing do not exceed a speed of 80 km/h. A maximum speed of 100 km/h is only appropriate if an oscillation damper is used and the permissible gross trailer weight does not exceed the vehicle's curb weight.

For trailers with low driving stability and caravan trailers, the use of an oscillation damper is strongly recommended. If the trailer starts snaking, drive more slowly, do not attempt to correct the steering and brake sharply if necessary.

When driving downhill, drive in the same gear as if driving uphill and drive at a similar speed.

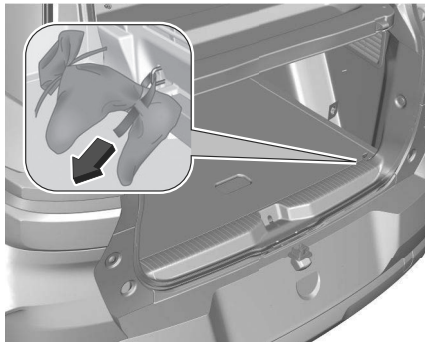
Tire pressures ➞ 201

## Towing Equipment

### ⚠ CAUTION

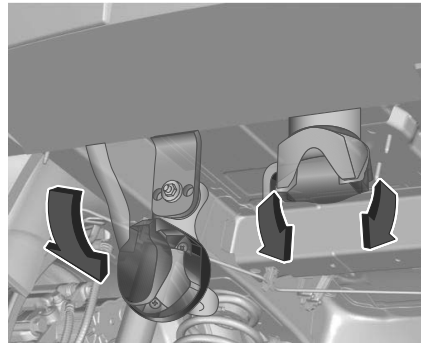
When operating without a trailer, remove the coupling ball bar.

### Stowage of coupling ball bar



The bag with the coupling ball bar is stowed on the rear floor cover in the load compartment. Place the strap through the rear right lashing eye, wrap around twice and tighten the strap to secure the bag.

### Fitting the coupling ball bar

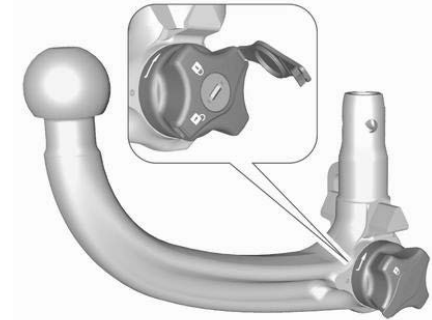


Swivel the connecting socket downwards. Remove the sealing plug from the opening for the coupling ball bar and stow it.

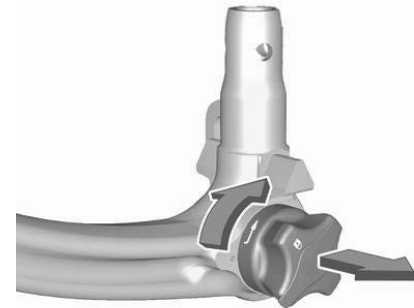
### Checking the tensioning of the coupling ball bar

- The red marking on the rotary knob must point towards the green marking on the coupling ball bar.
- The gap between the rotary knob and the coupling ball bar must be approx. 6 mm.
- The key must be in unlock position.

Otherwise, the coupling ball bar must be tensioned before being inserted:



- Unlock the coupling ball bar by turning the key to unlock position.



- Pull out the rotary knob and turn clockwise as far as it will go.

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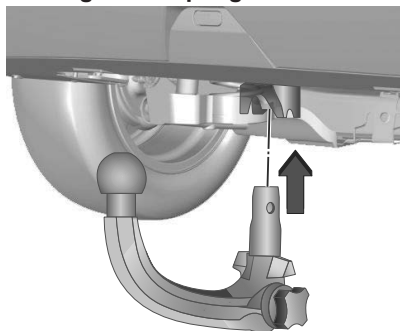
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### Inserting the coupling ball bar



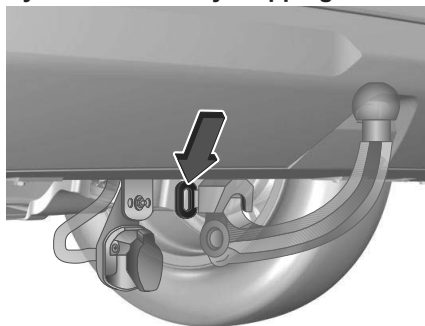
Insert the tensioned coupling ball bar in the opening and push firmly upwards until it audibly engages. The rotary handle snaps back into its original position resting against the coupling ball bar without a gap.

**⚠ WARNING**

Do not touch rotary handle during insertion.

Lock the coupling ball bar by turning the key to unlock position.

### Eye for break-away stopping cable



Attach the breakaway stopping cable to eye.

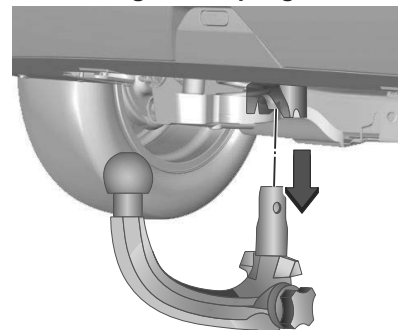
### Checking the correct installation of the coupling ball bar

- The green marking on the rotary knob must point towards the green marking on the coupling ball bar.
- There must be no gap between the rotary handle and the coupling ball bar.
- The coupling ball bar must be firmly engaged in the opening.
- The coupling ball bar must be locked and the key removed.

**⚠ WARNING**

Towing a trailer is permitted only when a coupling ball bar is fitted correctly. If the coupling ball bar does not engage correctly, seek the assistance of a workshop.

### Dismounting the coupling ball bar



Open the protective flap and turn the key to unlock position to unlock the coupling ball bar. Pull out the rotary handle and turn clockwise as far as it will go. Pull out the coupling ball bar downwards. Insert the sealing plug in the opening. Swivel the connecting socket upwards.

Stow the coupling ball bar in the bag and secure by fixing the strap through the rear right lashing eye. Wrap around twice and tighten the strap to secure the bag.

## Towing Recommendation

### CAUTION

For Hybrid (MHEV) models in high altitude conditions (>2500 m asl) towing capacity is restricted as it may affect vehicle performance.

## Driving Tips

### Control Of The Vehicle

#### Never coast with engine not running

Many systems will not function when the engine is not running, e.g. brake servo unit, power steering. Driving in this manner is a danger to yourself and others.

All systems function during an Autostop.

Stop-start system ⇨ 102

### Pedals

To ensure the pedal travel is uninhibited, there must be no foot or mats in the area of the pedals.

Use only floor mats, which fit properly and are fixed by the retainers on the driver side.

### Emergencies

### WARNING

Damage to the high voltage battery or high voltage system can create a risk of electric shock, overheating, or fire.

If the vehicle has been damaged or affected by a moderate to severe crash, it must be inspected as soon as possible by qualified personnel. Until the technical inspection has been carried out, the vehicle must be stored outside at a minimum distance of 5 metres from any structure or other flammable objects. If the vehicle has been damaged or affected by flood or fire, it must not be moved at all and has to be inspected by qualified personnel as soon as possible.

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## ADVANCED DRIVING ASSISTANCE SYSTEMS

### General Information

#### WARNING

Driver assistance systems are developed to support the driver and not to replace the driver's attention. The driver accepts full responsibility when driving the vehicle. When using driver assistance systems, always take care regarding the current traffic situation.

#### NOTE

To comply with the European general safety regulations, some driver assistance systems can only be deactivated on the Info Display until the next time the ignition is reactivated. The system is automatically activated by default every time the engine is started.

### Speed Control Assistance System

#### Speed Limiter

The speed limiter prevents the vehicle from exceeding a preset maximum speed. The maximum speed can be set at speeds between 30 km/h and 180 km/h. The driver can accelerate the vehicle up to the preset speed. Deviations from the limited speed may occur when driving downhill. The preset speed can be exceeded temporarily by pressing the accelerator pedal firmly. The status and preset speed limit are displayed on the cluster.


### Switching On The System

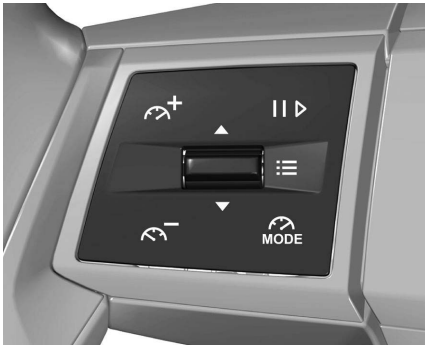


Press  twice to select speed limiter.

### Activation Of The Functionality

#### Setting speed by the driver

Press , to activate the speed limiter and save a speed setting as soon as the vehicle speed reaches the desired level.



The preset speed can be changed by pressing to increase or to decrease the speed. A short press changes speed by 1 km/h, a long press changes speed by 5 km/h.

Press or to activate.

Press to activate within the same ignition cycle.

### Exceeding The Speed Limit

In the event of an emergency, it is possible to exceed the speed limit by depressing the accelerator pedal firmly to the final point. In this case, the preset speed value flashes.

Release the accelerator pedal and the speed limiter function is reactivated

once a speed lower than the limit speed is obtained.

### Deactivation Of The Functionality

Press , speed limiter is in pause mode.

The vehicle is driven without speed limiter.

Speed limiter is deactivated, but not switched off. Last stored speed remains in memory for later speed resume.

### Resume Speed Limiter

Press or /

### Switching Off The System

Press , the speed limiter mode is deselected and the speed limit indication extinguishes.

### Fault

In the event of a speed limiter fault, the speed is cleared resulting in flashing of the dashes.

Have the system checked by a workshop.

## Cruise Control

The system maintains the vehicle speed at the preset speed by the driver, without any action on the accelerator pedal.

The cruise control can memorize and maintain speeds above 40 km/h.

For vehicles with automatic transmission additionally position **D** or the second or a higher gear in position **M** must be engaged.

Deviations from the memorized speeds may occur when driving uphill or downhill.

The preset speed can be exceeded temporarily by pressing the accelerator pedal firmly.

The status and preset speed is displayed on the cluster.

Only use the cruise control if a constant speed can be maintained.

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
## Switching On The System





Press  once to select the Cruise Control function.

### Activation Of The Functionality

#### Setting speed by the driver

Press , to activate the cruise control and save a speed setting as soon as the vehicle speed reaches the desired level.




If the system is active, the preset speed can be changed by pressing  to increase or  to decrease the speed. A short press changes speed by 1 km/h, a long press changes speed by 5 km/h.

The speed value is indicated on the cluster.

### Exceeding The Set Speed

It is always possible to drive faster than the set speed by depressing the accelerator pedal. When the accelerator pedal is released, the vehicle returns to the memorized speed.

## Deactivation Of The Functionality

Press : cruise control is in pause mode and the symbol illuminates. The vehicle is driven without cruise control. Cruise control is deactivated, but not switched off. The last memorized speed remains in memory for later speed resume.


Cruise control is deactivated automatically when:


- The brake pedal is depressed
- Vehicle speed is below 40 km/h
- The Anti-Slip Regulator (ASR) system or Electronic Stability Control is operating
- The selector lever is in **N**

### Resume Cruise Control

Press cruise control **+** or **-** or **RESUME** button.

### Switching Off The System

Press : the cruise control mode is deselected and the cruise control indication extinguishes on the cluster.

Pressing  two times to select the speed limiter deactivates the cruise control.

Switching off the ignition cancels any memorized speed value.

**Fault**

In the event of a cruise control fault, the speed is cleared resulting in flashing of the dashes.

Have the system checked by a workshop.

**Collision Avoidance Assistance System**

**⚠ WARNING**

Driver assistance systems are developed to support the driver and not to replace the driver's attention. The driver accepts full responsibility when driving the vehicle. When using driver assistance systems, always take care regarding the current traffic situation.

**⚠ WARNING**

The usage of a license plate support on the front bumper may affect the proper radar unit functionality. When using a license plate support, follow

the markings and indications on the front bumper.

**i NOTE**

To comply with the European general safety regulations, some driver assistance systems can only be deactivated on the Infotainment Display until the next time the ignition is reactivated. The system is automatically activated by default every time the engine is started.

**Active Emergency Braking (AEB)**

Active emergency braking can help to reduce the damage and injury from crashes with vehicles, pedestrians and cyclists directly ahead, when the driver does not actively take action either by manual braking or by steering. Before the active emergency braking applies, the driver may be warned by the forward collision warning. The feature uses various inputs (e.g. camera sensor, brake pressure, vehicle speed) to calculate the probability of a frontal collision.

**⚠ WARNING**

This system is not intended to replace the driver's responsibility for driving the vehicle and looking ahead. It warns the driver if the vehicle is at risk of a collision with the preceding vehicle, a pedestrian or a cyclist. Just before the imminent collision, it reduces the vehicle's speed to avoid a collision or to limit its severity.

The system may also react on animals. However, animals smaller than 0.5 m or objects on the road may not be detected.

After a sudden lane change, the system needs a certain time to detect the next preceding vehicle. The driver must always be ready to take action and apply the brakes and steer to avoid collisions.

**Activation Or Deactivation**

Depending on version, the system is automatically active by default every time the engine is started, even if it was deactivated during the last ignition cycle.

For further information ➡ 130

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Active emergency braking can be deactivated in the vehicle personalization.

Depending on version, deactivation is only possible at a standstill.

The system cannot be deactivated at a speed above 10 km/h.

(ⓘ) illuminates if deactivated.

## Functionality

Depending on the vehicle configuration and the detected objects, there are several operational speed ranges.

Active emergency braking operates from 8 km/h to 85 km/h when a pedestrian or a cyclist has been detected.

Active emergency braking operates from 8 km/h to 135 km/h, when a moving or stationary vehicle has been detected.

The system includes:

- forward collision warning
  - emergency brake assist
  - automatic braking
  - Forward Collision Warning (FCW)
- ➔ 136

## Automatic Braking

Just before the imminent collision, this function automatically applies limited

braking to reduce the impact speed of the collision or prohibit a crash.

If active emergency braking is applied, (ⓘ) flashes on the cluster.

If active emergency braking is finished, (ⓘ) flashes for a few seconds. During this time, active emergency braking cannot be applied if there is a risk of a further collision.

Below a speed of 50 km/h, automatic braking may slow down the vehicle to a complete stop. If the speed exceeds this limit, automatic braking may reduce the speed by a maximum of 50 km/h. However, the driver must apply the brake to come to a complete stop.

Automatic transmission: If the vehicle comes to a complete stop, automatic braking is maintained for a certain time. Keep the brake pedal depressed to prevent the vehicle from starting off again.

Cruise control will be deactivated when an automatic braking occurs. In some cases, the driver may wish to override the automatic braking provided by the active emergency braking system. Firmly apply the accelerator pedal or firmly turn the steering wheel to override the automatic braking if the situation and the surroundings permit.

## WARNING

Do not rely on the system to brake the vehicle. Active emergency braking will not brake automatically outside of its operating speed range.

## Emergency Brake Assist

If the driver brakes, but not sufficiently to avoid a collision, this system will supplement the braking. This assistance will only be provided if the driver presses the brake pedal.

Emergency brake assist will automatically disengage when the brake pedal is released.

## Operation Conditions

Active emergency braking only works when:

- the brake system is operational
- Electronic Stability Control and Anti-Slip Regulator (ASR) are activated
- the seat belt of the driver seat and depending on version of the front passenger seat is fastened
- constant speed on unwinding roads

Active emergency braking is automatically deactivated in the following cases:

- a spare wheel with smaller diameter is detected
- a fault with the brake pedal switch or with the left or right brake light is detected
- a fault in the active emergency braking system, in the electronic or in the brake system is detected
- a severe crash, e.g., with airbag deployment was detected

### System Limitations

The system performance may be degraded or not available in the following cases:

- front camera covered with snow, ice, slush, mud or dirt
- windscreen damaged or smeared, with blurred view or covered with foreign items, e.g. stickers
- front camera out of its regular position
- automatic braking not available, e.g. brake discs cooling going on
- brake pedal continuously used for a long time, e.g. on a long downhill road
- winding or hilly roads
- system initialization process after battery disconnection

- dazzling light, e.g. caused by the sun or artificial illumination is shining directly into the camera lens
- adverse environmental conditions, e.g. rain, fog, or snow
- vehicle ahead creating road spray

After an impact or when damages are visible have the vehicle checked by a workshop.

The system performance may be affected by:

- Electronic Stability Control and Anti-Slip Regulator (ASR) in progress
- vehicle battery voltage out of range
- wet road reflecting lights
- close vehicles ahead
- tractors, muddy vehicles or vehicles with a trailer
- banked roads
- poor lighting conditions
- sudden lighting changes
- vehicle modifications, e.g. tires
- vehicle overloaded

The driver must not overload neither the load compartment nor the roof of the vehicle.

If a sensor is covered, a message is displayed indicating that the camera sensors have to be cleaned.

If the system is temporarily affected and no driver action is required, no message is displayed.

Complete attention is always required while driving, and be ready to take action to avoid crashes.

We recommend to deactivate the system in the vehicle personalization in the following cases:

- when towing a trailer or caravan
- when carrying long objects on roof bars or a roof rack
- when the vehicle is being towed
- when performing any maintenance with ignition on
- when the vehicle is fitted with snow chains
- when a spare wheel is fitted that is smaller than the other wheels
- before using an automatic car wash
- before placing the vehicle on a rolling road in a workshop
- if the windscreen has been damaged close to the camera
- if the brake lights are not working

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
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## Fault

If the system does not work properly or is not available, e.g. during the initialization,  illuminates on the cluster.

In the event of a fault,  illuminates on the cluster, a message is displayed and an audible signal is given. Consult a workshop.

 illuminates on the cluster accompanied by a message indicating that the sensors or the camera may be covered. Stop the vehicle and check, if these needs to be cleaned. If  still illuminates after cleaning the camera, consult a workshop.

 may also illuminate if the infotainment system has an issue.

If  illuminates on the cluster after the engine has been switched off and then restarted, consult a workshop.

➔ 74

## Forward Collision Warning (FCW)

The forward collision warning warns the driver if there is a risk of collision with the vehicle ahead, with a cyclist or a pedestrian.

### WARNING

Forward collision warning is just a warning system and does not apply the brakes. When approaching a vehicle ahead too rapidly, there may not be enough time to avoid a collision.

The driver accepts full responsibility for the appropriate following distance based on traffic, weather and visibility conditions.


The complete attention of the driver is always required while driving. The driver must always be ready to take action and apply the brakes.

### Activation

Forward collision warning operates from 8 km/h to 80 km/h when a pedestrian or a cyclist has been detected.

Forward collision warning operates from 8 km/h to 135 km/h when a moving or stationary vehicle has been detected.

### Alerting The Driver

 flashes on the cluster and a warning chime sounds accompanied by a message, when a collision is

imminent and immediate driver's action is required.

### WARNING

The colour lighting of this symbol does not correspond to local traffic laws on following distance. The driver bears full responsibility for maintaining safe following distance according to applicable traffic rules, weather and road conditions etc. at all times.

### Deactivation

The system can only be deactivated by deactivating the active emergency braking in the vehicle personalization.

### System Limitations

Forward collision warning is designed to warn on vehicles, cyclists and pedestrians, but may react also to other objects.

The system performance may be degraded or not available in the following cases:

- front camera is covered with snow, ice, slush, mud or dirt

- windscreen damaged or smeared, with blurred view or covered with foreign items, e.g. stickers
- front camera out of its regular position
- automatic braking not available, e.g. brake discs cooling going on
- brake pedal continuously used for a long time, e.g. on a long downhill road
- winding or hilly roads
- system initialization process after battery disconnection
- dazzling light, e.g. caused by the sun or artificial illumination is shining directly into the camera lens
- adverse environmental conditions, e.g. rain, fog, or snow
- vehicle ahead creating road spray

After an impact or when damages are visible have the vehicle checked by a workshop.

The system performance may be affected by:

- Electronic Stability Control and Anti-Slip Regulator (ASR) in progress
- vehicle battery voltage out of range
- wet road reflecting lights
- close vehicles ahead

- tractors, muddy vehicles or vehicles with a trailer
- banked roads
- poor lighting conditions
- sudden lighting changes
- vehicle modifications, e.g. tires
- vehicle overloaded


## Vehicle Stability Assistance System

### Anti-Slip Regulator (ASR)


Anti-slip regulation (or traction control) optimises traction by using engine braking and by applying the brakes on the driving wheels to avoid one or more wheels spinning. It also enhances the vehicle's directional stability.

If there is a difference between the vehicle's trajectory and the path desired by the driver, the dynamic stability control system automatically uses engine braking and the brakes on one or more wheels to return the vehicle to the desired path, within the limits of the laws of physics.

These systems are activated automatically every time the vehicle is started.

When the ASR system operates  flashes.

### Malfunction

In the event of a malfunction,  lights up on the instrument panel, accompanied by the display of a message and an audible signal.

Seek the assistance of a workshop.

#### WARNING

##### ASR/DSC

These systems enhance safety during normal driving, but should not encourage the driver to take extra risks or drive at high speed.

It is in conditions of reduced grip (rain, snow, ice) that the risk of loss of grip increases. It is therefore important for your safety to keep these systems activated in all conditions, and particularly in difficult conditions.

Correct operation of these systems depends on compliance with the manufacturer's recommendations relating to the wheels (tires and rims), braking and electronic components, as well as the assembly and repair procedures provided by dealers.

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
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In order to ensure that these systems remain effective in wintry conditions, the use of snow or all-season tires is recommended. All four wheels must be fitted with tires approved for your vehicle.

### Vehicles With Deactivation Menu

ASR can be deactivated in the cluster menu via the steering wheel control. Instrument Cluster → 60

Deactivation is confirmed by the illumination of  and a message in the instrument cluster.

ASR is reactivated automatically when exceeding a vehicle speed of 50 km/h and every time the ignition is switched back on. ASR can be reactivated manually at vehicle speed below 50 km/h.

### Electronic Stability Control (ESC)

Electronic Stability Control (ESC) improves driving stability when necessary, regardless of the type of road surface or tire grip.

As soon as the vehicle starts to swerve (understeer / oversteer), engine output


is reduced and the wheels are braked individually.


ESC operates in combination with the Anti-Slip Regulator (ASR) system. It prevents the driven wheels from spinning.

The Anti-Slip Regulator (ASR) system is a component of the ESC.

The Anti-Slip Regulator (ASR) system improves driving stability when necessary, regardless of the type of road surface or tire grip, by preventing the driven wheels from spinning.

As soon as the driven wheels starts to spin, engine output is reduced and the wheel spinning the most is braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

ESC and Anti-Slip Regulator (ASR) system are operational after each engine start as soon as the control indicator  extinguishes.


When ESC and Anti-Slip Regulator (ASR) system operate,  flashes.


After reconnecting the vehicle battery, the system needs a recalibration by driving a short distance.


### WARNING

Do not let this special safety feature tempt you into taking risks when driving.  
Adapt speed to the road conditions.




ESC and Anti-Slip Regulator (ASR) system can be deactivated if it is required: press .


The LED in the button  illuminates. A status message appears in the Driver Information Centre when ESC and Anti-Slip Regulator (ASR) system are deactivated.

ESC and Anti-Slip Regulator (ASR) system are reactivated by pressing the  button again, by applying the brake

or in the case that the vehicle is driven faster than 50 km/h.

The LED in the button  extinguishes when ESC and Anti-Slip Regulator (ASR) system are reactivated. ESC and Anti-Slip Regulator (ASR) system are also reactivated the next time the ignition is switched on.

**Fault**

If there is a fault in the system, the control indicator  illuminates continuously and a message appears in the Driver Information Centre. The system is not operational.

Have the cause of the fault remedied by a workshop.

**Braking Performance Assistance System**

**Anti-Lock Brake System (ABS)**

Antilock brake system (ABS) prevents the wheels from locking.

ABS starts to regulate brake pressure as soon as a wheel shows a tendency to lock. The vehicle remains steerable, even during hard braking.

ABS control is made apparent through a pulse in the brake pedal and the noise of the regulation process.

For optimum braking, keep the brake pedal fully depressed throughout the braking process, despite the fact that the pedal is pulsating. Do not reduce the pressure on the pedal.

When braking in an emergency, the hazard warning flashers are switched on automatically depending on the force of deceleration. They are switched off automatically the first time you accelerate.

After starting off, the system performs a self-test which may be audible.



Control indicator  68

**Fault**

**⚠ WARNING**

If there is a fault in the ABS, the wheels may be liable to lock due to braking that is heavier than normal. The advantages of ABS are

no longer available. During hard braking, the vehicle can no longer be steered and may swerve.

Have the cause of the fault remedied by a workshop.

**Visibility Enhancement Assistance System**

**Side Blind Spot Alert (SBSA)**

**⚠ WARNING**

Side blind spot alert is only a lane changing aid and does not replace driver vision. Side blind spot alert does not detect:


- vehicles approaching very rapidly
- pedestrians or animals
- non-moving objects, e.g. stationary vehicles, street lights, road signs, etc.

Failure to use proper care when changing lanes may result in damage to the vehicle, injury, or death. Always check the outside and rearview mirrors, glance over your

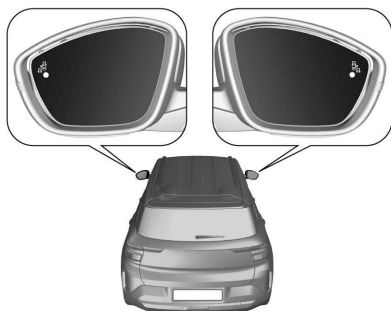
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shoulder, and use the turn signal before changing lanes.

### Activation

The system can be activated in the vehicle settings menu on the  60 by using the steering wheel controls.

### Functionality



When the system detects a vehicle in the side blind zone while driving forwards, an LED will illuminate in the relevant exterior mirror. If the turn lights of the relevant side are activated, the LED will flash.

The LED comes on immediately when being passed.

The LED comes on after a delay when passing another vehicle slowly.

### Operation conditions

The following conditions must be fulfilled for proper operation:

- all vehicles are moving in the same direction and in adjacent lanes
- the vehicle speed is between 30 and 140 km/h
- passing a vehicle with a speed difference of less than 15 km/h
- another vehicle is passing with a speed difference of less than 15 km/h
- no plug is connected to the power outlet of the trailer hitch
- the sensors are not covered by mud, ice or snow
- the warning zones in the door mirrors or the detection zones on front and rear bumper are not covered with adhesive labels or other objects
- the traffic flow is normal
- driving on a straight or slightly curved road

No alert will be given in the following situations:

- in the presence of non-moving objects, e.g. parked vehicles, barriers, street lights, road signs

- in very dense traffic, when moving vehicles might be confused with a stationary object
- with vehicles moving in the opposite direction
- driving on a winding road or a sharp corner
- when passing or being passed by a very long vehicle, e.g. lorry, coach, which is at the same time detected at the rear in the blind spot angle and present in the driver's forward field of vision
- when passing too quickly

### Deactivation


The system can be deactivated in the vehicle personalization on the cluster, accessing the menu with steering wheel controls.

The state of the system is memorized when switching off the ignition.

The system is switched off automatically when attaching a trailer or bike carrier to the trailer hitch.


Due to adverse weather conditions such as heavy rain, false detections may occur.

**Fault**

In the event of a fault,  illuminates on the cluster, accompanied by a display message. Seek the assistance of a workshop.

**Lane Assistance System**

**Lane Departure Warning (LDW)**


The lane departure warning system supports the driver to avoid unintended leaving of the lane. The front camera the lane markings between which the vehicle is driving. If the vehicle crosses a road edge or a lane marking, the system warns the driver. Unintended lane departure is not assumed by the system when the turn lights are operated and during few seconds after turn lights have been switched off. No warning will be issued with a dynamic driving, i.e. pressure on the brake or accelerator pedal or heavy steering. When the system recognizes an unintended lane departure,  illumi-

nates with a corresponding message displayed.

**Operation conditions**


For a correct operation of the system, the following preconditions have to be fulfilled:

- vehicle speed must be between approx. 65 km/h and 180 km/h
- the turn lights are not activated
- no dynamic driving, i.e. pressure on the brake or accelerator pedal
- lane markings can be clearly detected by the system
- the vehicle is not driven in a tight corner
- no system fault is present which prevents corrections

 <b>WARNING</b>
This system is a driving aid that cannot, in any circumstances, replace the need for vigilance on the part of the driver.

**Activation**

Depending on version, the system is automatically active by default every time the engine is started, even if it

was deactivated during the last ignition cycle. For further information see  130



If the system is activated, the LED in the button is not illuminated. To activate the system when the system is deactivated, press the button.

**Deactivation**

To deactivate the system, press and hold the button until LED in the button is illuminated.

**System limitations**

The system performance may be affected by:

- covered camera by snow, ice, slush, mud, dirt, or affected by windscreen damage or foreign items, e.g. stickers


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- close vehicles ahead
- banked roads
- winding or hilly roads
- poor lighting conditions
- sudden lighting changes
- dazzling light, e.g. caused by the sun or artificial illumination is shining directly into the camera lens
- adverse environmental conditions, e.g. heavy rain, fog, or snow
- vehicle modifications, e.g. tires
- roads with poor or no lane markings

### Unavailability After Battery Disconnection

Lane Departure Warning can be temporarily unavailable or inactive when the power supply of the vehicle is reconnected again.

### Fault

In the event of a fault,  illuminates in the cluster. Seek the assistance of a workshop.

If a sensor is covered,  illuminates in the cluster and a message is displayed indicating that the sensors have to be cleaned.

### NOTE

The system performance may be affected by heavy curves and construction areas.

## Lane Keeping Assist (LKA)

### WARNING

The system helps the driver only if there is a risk of the vehicle unintentionally wandering from the lane it is being driven in. It does not manage the safe driving distance, vehicle speed or braking.


The driver must hold the steering wheel with both hands so that they can maintain control when the conditions no longer allow the system to intervene (e.g. in the event that the central dividing line marking on the road surface disappears).

Lane keeping assist supports the driver to avoid unintended leaving of the lane. The front camera observes road edges, as well as the lane markings between which the vehicle is driving.

If the vehicle approaches a road edge or a lane marking, the steering wheel is

gently turned so that the vehicle turns back into the lane.

The driver will notice a turning movement of the steering wheel. Turn the steering wheel in same direction, if the system does not steer sufficiently. Turn the steering wheel gently into opposite direction, if a lane change is intended.

When the system steers to correct the trajectory of the vehicle,  flashes yellow on the cluster. Lane keeping assist does not continuously steer the vehicle.

Unintended lane departure is not assumed by the system when the turn lights are operated and during few seconds after the turn lights have been switched off.

The system will inform the driver with a message and a chime if there is an ongoing correction for more than ten seconds. If the driver is still unable to keep the vehicle in the lane, the correction interrupts after a short time.

A lane departure warning on the cluster alerts when the system cannot hold the vehicle within the lane and immediate driver action is required.

**i NOTE**

The system might be inactive if it detects lanes which are too narrow, too wide or too curved.

For a correct operation of the system, the following preconditions have to be fulfilled:

- vehicle speed must be between approx. 65 km/h and 180 km/h
- the turn lights are not activated
- the electronic stability control is activated and not in operation
- no plug is connected to the power outlet of the trailer hitch
- no dynamic driving, i.e. pressure on the brake or accelerator pedal
- lane boundaries can be clearly detected by the system
- no temporary spare wheel is used
- the vehicle is not driven in a tight corner
- no system fault is present which prevents corrections

Depending on version, only lane departure warning system is active, when a system fault is present, a spare wheel is used, Electronic Stability



Control is not activated or e.g. a trailer is attached.

Deactivate the system when the vehicle is being towed.

**Unavailability After Battery Disconnection:** Lane Keeping Assist can be temporarily unavailable or inactive when the power supply of the vehicle is reconnected again.

**Activation**

Depending on version, the system is automatically active by default every time the engine is started, even if it was deactivated during the last ignition cycle.

If the system is activated,  on the cluster is not illuminated. The system can be activated in the vehicle customization in the Infotainment screen, accessing the menu with .


**Deactivation**


The system is deactivated via a long press on the LKA button in the side controls bar.


**Hand-off**

When hands-off driving is detected during a correction within a rolling

interval of 180 seconds, the system intervenes:

Intervention 1:  flashes until the end of the intervention.

Intervention 2:  flashes and a warning chime sounds until the end of intervention but for at least one second.

Further interventions:  flashes continuously and the warning chime sounds 10 seconds longer than the previous chime.

A lane departure warning on the cluster alerts when the system cannot hold the vehicle within the lane and immediate driver action is required.

**System limitations****i NOTE**

The system performance may be affected by heavy curves and construction areas.

The system performance may be affected by:

- covered camera by snow, ice, slush, mud, dirt, or affected by windshield damage or foreign items, e.g. stickers

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- heavy or unequally distributed loading
- close vehicles ahead
- banked roads
- winding or hilly roads
- poor lighting conditions
- sudden lighting changes
- dazzling light, e.g. caused by the sun or artificial illumination is shining directly into the camera lens
- adverse environmental conditions, e.g. heavy rain, fog, or snow
- vehicle modifications, e.g. tires
- wrong tire pressure
- roads with poor lane markings

### Fault

In the event of a fault,  illuminate on the cluster, a message is displayed and an audible signal is given. Consult a workshop.

 illuminates on the cluster accompanied by a message indicating that the front camera may be covered. Stop the vehicle and check, if the camera needs to be cleaned. If  still illuminates after cleaning the camera, consult a workshop.

### NOTE

The system performance may be affected by heavy curves and construction areas.

## Parking And Reverse Operations Assistance System

### Automatic Park Assist

#### General Information

The rear system is deactivated when a plug is connected to the power outlet of the trailer hitch.

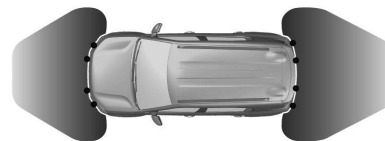
### WARNING

The driver bears full responsibility for the parking manoeuvre. Always check the surrounding area when driving backwards or forwards while using parking assist system.

### Front-Rear Parking Assist

The front-rear parking assist measures the distance between the vehicle and obstacles in front and behind the

vehicle. It informs and warns the driver by giving audible signals and display indication.



The system operates with ultrasonic parking sensors in the rear and front bumper.

### Activation

When a forward gear has been engaged, the front parking assist is activated, as soon as an obstacle is detected in the front and the speed of the vehicle is below 13 km/h.

When the reverse gear has been engaged, the rear parking assist and the front parking assist are activated. After engaging the reverse gear, an audible signal is given and a display indication will be shown. If no audible signal is given, the display indication is not shown or a warning message appears, the system has a failure.

### Deactivation

The rear parking assist is switched off when reverse gear is disengaged.

The front parking assist is switched off at a speed above 13 km/h. The front parking assist reactivates only at a speed below 10 km/h.

### Indication

As soon as an obstacle gets closer to the vehicle, an audible signal is given and  $P^{\text{))}}$   $\Delta$  may flash. The interval between the sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than approx. 35 cm, the sound is continuous and is fixed.

Audible signals are given from the cluster.

No audible signals are given, if:

- the vehicle stops for more than three seconds in position **D** or in forward gear
- the automatic transmission is in **P** position
- no further obstacles are detected

Additionally, the distance to obstacles is displayed by changing distance lines in the Information Display

If the vehicle has no radio or Information Display and an obstacle gets closer, only the  $P^{\text{))}}$   $\Delta$  flashes and the respective audible signal sounds.

### System Limitations

In the event of a fault or if the system does not work temporarily, e.g. because of high external noise level or other interference factors,  $P^{\text{))}}$   $\Delta$  illuminates on the cluster, a message is displayed and a warning chime sounds. In the case of a permanent fault, seek the assistance of a workshop.

#### NOTE


Make sure that the front number plate is properly mounted, vertically and horizontally centred and the sensors are firmly in place. The performance of the parking assist will be reduced if the license plate is bent or a license plate support is used.

#### WARNING

Under certain circumstances, various reflective surfaces on objects or clothing as well as external noise sources may cause the system to fail to detect obstacles.

Special attention must be paid to low obstacles which can damage the lower part of the bumper.

#### WARNING

In the case of a severe failure of the vehicle with the need to stop the vehicle, the system is deactivated. In the case of a gearbox failure, the parking assist system is not active, when reverse gear is engaged. In the case of a sound emission failure in the Information Display, the audible signals may not be given. The performance of the system can be reduced when the sensors are covered, e.g. by ice or snow. The performance of the parking assist system may be limited or the functionality may not be available at all if  illuminates or if the image shown on the Information Display is frozen or if the screen is black. The performance of the parking assist system can be reduced due to heavy loading. Special conditions apply if there are taller vehicles in the vicinity (e.g. off-road vehicles, mini vans, vans). Object identification and correct

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distance indication in the upper part of these vehicles cannot be guaranteed.

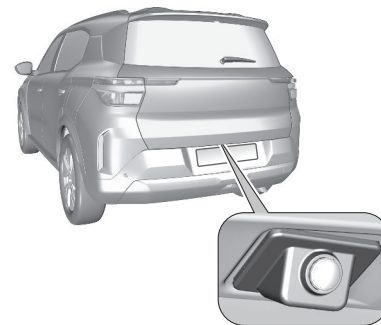
**⚠ CAUTION**

Performance of the parking assist system can be reduced due to heavy loading.  
 Special conditions apply if there are taller vehicles in the vicinity (e.g. offroad vehicles, mini vans, vans).  
 Object identification and correct distance indication in the upper part of these vehicles cannot be guaranteed.  
 Objects with a very small reflection cross-section, e.g. objects of narrow size or soft materials, may not be detected by the system.  
 Parking assist systems do not detect objects outside the detection range, e.g. below the bumper or underneath the vehicle.  
 During a reverse parking manoeuvre, the system does not consider a mounted coupling ball bar. The driver has to consider this additional length.

**i NOTE**

It is possible that the sensor detects a non-existing object caused by echo disturbance from external acoustic noise or mechanical misalignments (sporadic false warnings may occur).  
 Make sure that the front number plate is properly mounted (not bent and no gaps to the bumper on the left or right side) and the sensors are firmly in place. The performance of the parking assist may be reduced if the license plate is bent or a license plate support is used.  
 Low curbs and surface irregularities, e.g. on construction zones, are not detected by the system. The driver accepts responsibility.

**Rear Vision Camera (RVC)**



The rear view camera assists the driver when reversing by displaying a view of the area behind the vehicle. It allows views of the vehicle's surroundings to be displayed as a nearly 135° picture in the Information Display.

**⚠ WARNING**

The rear view camera does not replace driver vision. Note that objects that are outside the camera's field of view and the parking assist sensors, e.g. below the bumper or underneath the vehicle, are not displayed.  
 Do not reverse or park the vehicle using only the rear view camera.

Always check the surrounding of the vehicle before and during driving.

The system uses:

- rear view camera, mounted above the rear number plate
- ultrasonic parking sensors in the rear bumper

The screen in the Information Display is divided into three parts:

- right side: there is a fixed menu and a representation of the vehicle
- middle part: part consists of a standard view
- left side: there are the volume settings of the radio

The parking sensors complete the information on the view from above the vehicle.

The area displayed by the rear view camera is limited. Displayed images may be further or closer than they appear.

**Activation**

The rear view camera is activated when the reverse gear is engaged.

**Standard view**



The area behind the vehicle is displayed in the screen. The vertical lines represent the width of the vehicle with mirrors unfolded.

1. The horizontal red line represents a distance of about 30 cm beyond the edge of your vehicle's rear bumper.
2. The horizontal yellow line represents a distance of about 1 m beyond the edge of your vehicle's rear bumper.
3. The horizontal green line represents a distance of about 2 m beyond the edge of your vehicle's rear bumper.

These distances may vary depending on the weight of the vehicle.

**Deactivation**

The rear view camera is deactivated when rear gear is disengaged.

**System limitations**

**⚠ WARNING**

For optimal operation of the system, it is important to keep the lense of the camera, which is located in the bumper between the number plate lights, always clean. Rinse the lenses with water and wipe with a soft cloth. Do not clean the lenses with a steam-jet or high-pressure jet cleaner.

The rear view camera may not operate properly when:

- the surrounding is dark
- dazzling light, e.g. caused by the sun or artificial illumination is shining directly into the camera lens
- weather limits visibility, such as fog, rain, or snow
- covered camera by snow, ice, slush, mud, dirt, or affected by windscreen damage or foreign items, e.g. stickers

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- clean the lense using the washer nozzle as described.
- a plug is connected to the power outlet of the trailer hitch
- vehicle had a rear end accident
- extreme temperature changes

## Driver's Attention Assistance System

### WARNING

For more information, refer to the "GENERAL INFORMATION" chapter in "Advanced Driving Assistance Systems (ADAS)" section.

The Driver's Attention Assistance System monitors the driving time and the vigilance of the driver. Monitoring the vigilance of the driver is based on the trajectory variations of the vehicle compared to the lane markings, and on analysing the face of the driver (depending on version). The system cannot replace the need for vigilance on the part of the driver.

### WARNING

These systems are in no way designed to keep the driver awake or to prevent the driver from falling asleep at the wheel. It is the driver's responsibility to stop if feeling tired. Take a break if you are feeling tired or at least every 2 hours.

### Activation or Deactivation

Depending on version, the system is automatically active by default every time the engine is started, even if it was deactivated during the last ignition cycle.

For further information see  130



The system can be activated or deactivated via the cluster by using the steering wheel controls.

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## Driver Drowsiness Detection With Front View Camera

Driver drowsiness detection operates from 65 km/h to 180 km/h.

The system monitors the steering movements based on the driver's input. The system is initialized when driving five minutes at a speed above 70 km/h. If the steering inputs of the driver suggest a certain level of drowsiness or inattention by the driver, the system triggers the first level of alert.

The driver is notified by  and an audible signal is given. A second level of warning is issued when the driver is highly drowsy, then the system triggers a new alert with , accompanied by a more pronounced audible signal. In certain driving conditions such as poor road surface or strong winds etc., the system may give alerts independent of the driver's level of vigilance.

The driver drowsiness detection is reinitialized in the following situations:


- the ignition has been switched off for a few minutes
- the driver's seat belt has been unfastened and the driver's door has been opened
- If the vehicle is at a standstill a long time with engine running

## System limitations

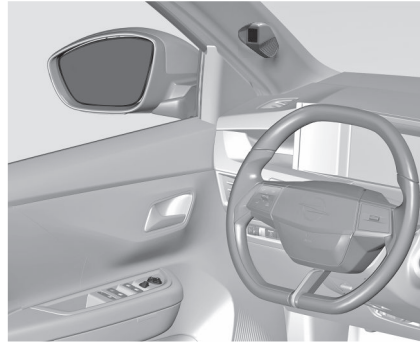
In the following situations, the system with front camera may not operate properly or even not operate at all:

- Poor visibility caused by inadequate lighting of the roadway, falling snow, heavy rain, dense fog etc. dazzle caused by headlamps of oncoming vehicles, low sun, reflections on damp roads, leaving a tunnel, alternating shade and light etc.
- No lane markings detected or multiple lane markings due to roadworks.
- Close vehicles ahead.
- Winding roads or narrow roads.
- Advanced lane keeping assist is active.
- Front view camera covered by snow, ice, slush, mud, dirt, or affected by windscreen damage or foreign items, e.g. stickers.

## Fault

In the event of a fault,  illuminates on the cluster. Consult a workshop.

## Driver Drowsiness And Distraction Detection With Driver Monitoring Camera



### WARNING

To avoid risk of eye damage: Do not sit closer than 25 cm to the steering wheel.


The system monitors the driver's level of vigilance at speeds above 20 km/h. The system monitors and analyses visual signs of drowsiness or distraction of the driver by monitoring facial, head and eye movements. The system does not record any video nor is it capable of identifying the driver.


The visual signs of drowsiness or distraction may be the following:

- driver diverts his gaze longer or more frequently away from traffic
- eyelids closing or blinking
- microsleep patterns

If the system detects certain facial movements, e.g. a complete closure of the eyes for a certain time, or analyses a certain level of drowsiness or distraction, an alert is triggered.

## Alerting the driver

The driver is alerted by a message and an audible signal is given. Additionally  illuminates.

If a severe distraction or drowsiness is detected, e.g. microsleep, sleep events, the driver is alerted immediately by a message accompanied by  and a more pronounced audible signal. Drowsiness and microsleep alerts will only occur after a couple of minutes of driving and above a certain vehicle speed.

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## Reinitialisation

Depending on version, the driver drowsiness and distraction detection is reinitialised in the following situations:


- the ignition has been switched off for a few minutes
- the driver's seat belt has been unfastened and the driver's door has been opened
- the driver has changed
- the system is reselected

## System limitations


In the following situations, the system with driver monitoring camera may not operate properly or even not operate at all:


- driver monitoring camera covered by dirt or foreign items, e.g. stickers
- the driver is wearing sunglasses with an infrared transmittance of less than 70 %
- the driver monitoring camera is exposed to extremely high temperatures


## Fault

If the system has a fault,  illuminates on the cluster, a message is

displayed and an audible signal is given. Consult a workshop.

 illuminates on the cluster accompanied by a message indicating that the camera may be covered. Stop the vehicle and check, if the camera needs to be cleaned.

If  still illuminates after cleaning the camera, consult a workshop.

 illuminates on the cluster when the driver's face was not detected by the driver monitoring camera due to e.g. sunglasses.

## Offroad And Low-Range Operations Assistance System

### Hill Start Assist

The system helps prevent unintended movement when driving away on inclines.

When releasing the brake pedal after stopping on an incline, brakes remain on for further two seconds. The brakes release automatically as soon as the vehicle begins to accelerate.

The system is active if the following conditions are met:

- vehicle stationary
- brake pedal depressed
- driver's door closed

## Utility Assistance Features

### Traffic Sign Assist (TSA)

#### WARNING

The actual traffic sign always takes priority over the traffic sign displayed on the cluster.

### Speed limit system (compliant with the European General Safety Regulation)

This system displays permanently speed limit information on the cluster independent of the vehicle speed. Providing the speed limit information involves the following systems, depending on version:

- camera at the top of the windscreen
- vehicle's integrated navigation system

- telematics service

If travelling on a road with no speed restrictions, e.g., on German motorways, the following sign is displayed:



If no speed limit information can be provided, the following sign is displayed:



If a new speed limit is provided, a confirmation chime is given, when the option is activated by the driver, using the menu on the cluster. The confirmation chime is deactivated by default on the cluster, to activate use the steering wheel controls.

⇒ 81

If driving at a speed of at least 20 km/h and exceeding the speed limit, the speed limit displayed on the cluster flashes after some time and an audible signal is given after some time. Time

of occurrence varies. Both flashing and audible signal are terminated after the speed gets under the speed limit detected.



### Activation / deactivation

Press and hold to deactivate the audible signal. To activate the audible signal press . Due to legal requirements, the audible signal can only be deactivated by clicking on until the next time the ignition is switched on. If the audible signal is deactivated, illuminates for a few seconds.

In case of a failure, illuminates permanently. Consult a workshop. In case of partial behavior (camera or navigation data unavailable) illuminates

until the unavailability ends, but the speed plate indications, audible and visual warnings will remain working.

⇒ 131

⇒ 130

### Operating conditions

To provide country-specific speed limit information, the vehicle needs to identify the country it is currently in. The country is automatically selected, using telematic box/navigation information. To get valid speed limit information, the vehicle's current position is sent via the telematics unit and it is immediately deleted after processing.

Tracking of the vehicle position is not possible at any time. This is not impacted by the privacy settings of Opel Connect.

### NOTE

It is possible to report a permanent speed limit misinformation on our website.

### Updating data

To maintain the performance of the system, the vehicle software and the

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navigation map should be updated in periodical intervals.


For vehicle software update consult a workshop.

### System limitations

Traffic sign assist may not operate properly when:

- driving on winding or hilly roads
- driving with snow chains
- the area of the windscreen, where the front camera is located, is not clean or affected by foreign items, e.g. stickers
- the visibility is limited because of the weather, such as fog, rain, or snow
- the vehicle ahead is creating road spray
- dazzling light, e.g. caused by the sun or artificial illumination is shining directly into the camera lens
- speed limitation is painted on the surface of the road
- traffic signs are completely or partially covered or difficult to discern
- traffic signs are incorrectly mounted or damaged or have been removed
- traffic signs do not comply with the Vienna Convention on Road Signs and Signals

- depending on version, the navigation map data may be outdated

to be cleaned. If  still illuminates after cleaning the camera, consult a workshop.


### CAUTION


The system is intended to help the driver within a defined speed range to recognise certain traffic signs. Do not ignore traffic signs which are not displayed by the system.

Do not let this special feature tempt you into taking risks when driving. Always adapt speed regarding road, traffic and weather conditions.

The driver assistance systems do not relieve the driver from full responsibility for vehicle operation. When driving abroad make sure the vehicle uses the speed unit of the respective country. If necessary, select the correct units on the cluster.

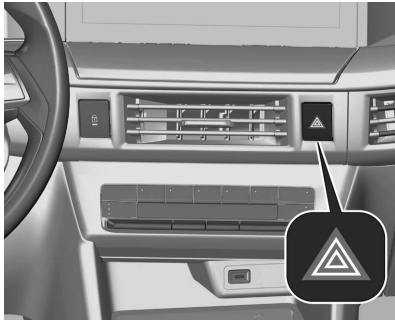
### Fault

In the event of a fault,  illuminates on the cluster. Consult a workshop.

 illuminates on the cluster accompanied by a message indicating that the front camera may be covered. Stop the vehicle and check, if the camera needs

## IN CASE OF EMERGENCY

### Hazard Warning Lights Activating Hazard Warning Lights



- Pressing this button causes all the direction indicators to flash.

They can work with the ignition switched off.

### Automatic Hazard Warning Lights

When braking in an emergency, depending on the rate of deceleration, the hazard warning lights illuminate

automatically. They switch off automatically when you next accelerate. They can be switched off by pressing the button.

### Assist And SOS

#### **i** NOTE

In order to be available and operational, the system requires functioning vehicle electrics, mobile service and GPS or GLONASS satellite link. Depending on equipment, a backup battery is used.



- 1 eCall (SOS)
- 2 ASSISTANCE

Privacy mode can be configured in the Settings menu on the touch screen.

#### **i** NOTE

Information concerning the collection and use of your personal data is available in the Owner's manual.

### Emergency Call (ECall)

The emergency call function will establish a connection to the nearest public safety answering point (PSAP). A minimum set of data including vehicle and location information will be sent to the PSAP.

### Manual Emergency Call

In case of an emergency, press the red SOS button (1) in the overhead console for more than two seconds.

The LED flashes green to confirm that a connection to the nearest PSAP is being established. The LED illuminates steadily as long as the call is active. Pressing the SOS button immediately a second time will terminate the call. The LED switches off.

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## Automatic Emergency Call (ECall)

### Automatic crash notification

In case of an accident with airbag deployment and without damage of needed hardware, an automatic emergency call is established and an automatic crash notification will be transmitted to the next PSAP.

### Assistance Call

If the vehicle breaks down, press button (2) for more than 2 seconds to request assistance.

A voice message will confirm that a connection is being established.

Opel Connect comprises multiple connected services accessible via app, online or within the vehicle.

#### NOTE


Opel Connect is not available for all markets. For further information, contact your workshop.

#### NOTE


Full functionality of Opel Connect is subject to registration and proper activation.

Connected services may include live navigation such as online traffic information and vehicle status and information such as maintenance alerts.

Services accessible within the vehicle also include emergency call and breakdown call. These functions are automatically activated. Terms and conditions apply.

Emergency call  153.


### Breakdown call

Pressing the  button in the overhead console for more than two seconds connects to a roadside assistance service provider. For information about coverage and scope of services of the roadside assistance, please refer to the information provided by the Opel Distributor with the order form.

### Privacy settings

Privacy settings of Opel Connect can be configured. This will impact the set of data being sent, e.g., in case

a breakdown call is triggered. The emergency call function will not be impacted.

Depending on version, the privacy settings can be changed by simultaneously pressing  and **SOS** in the overhead console or via the system settings menu in the Info Display.

#### NOTE

Language depends on the geographic coverage of the eCall And Assistance Call systems and the system language of the vehicle.

## Warning Triangle

### Warning Triangle Kit

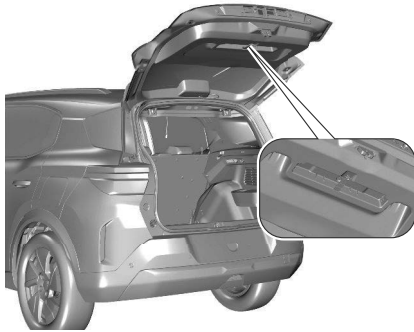
This reflective and collapsible device is to be installed on the side of the road when a vehicle is broken down or damaged.



#### WARNING

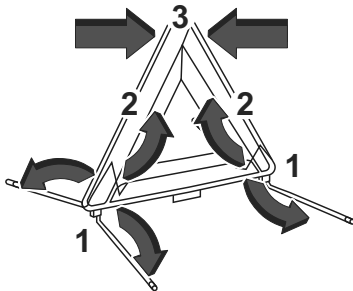
#### Before getting out of the vehicle

Turn on the hazard warning lamps, then put on the safety vest to assemble and install the triangle.



Stow the warning triangle in the space at the rear of the trunk door and secure it with the Velcro® fastener.

## Assembling The Warning Triangle



For versions supplied with a triangle as original equipment, refer to the illustration above.

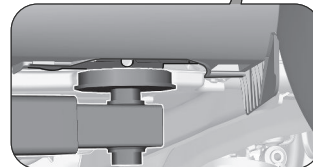
For other versions, refer to the assembly instructions provided with the triangle.

## Placing The Triangle

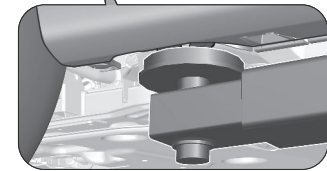
Put the triangle in place behind the vehicle, as required by local legislation.

## Jacking The Vehicle And Wheel Changing

The jacking positions shown refer to the use of lifting arms and accessory jacks used for changing winter / summer tires.



The rear arm position of the lifting platform is centrally under the relevant vehicle jacking point.



The front arm position of the lifting platform is centrally under the relevant vehicle jacking point.

## Wheel Changing Toolkit

Set of tools supplied with the vehicle.

### **⚠ WARNING**

The tool kit is specific to the vehicle and may vary depending on version. Do not use it for any other purposes.

Depending on version the toolkit is located in a toolbag in the load compartment either behind the third row or below the floor cover.

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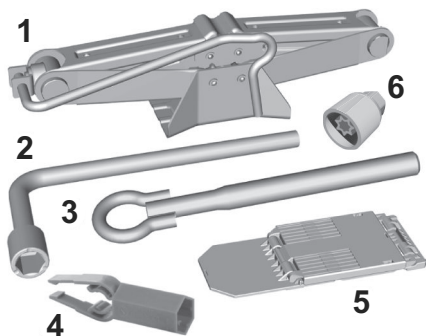
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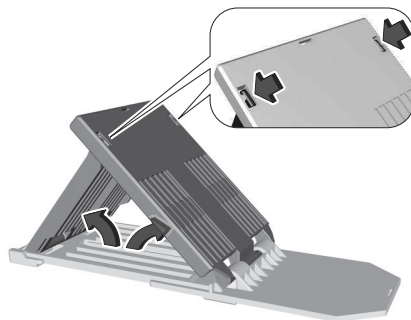


- (1) Jack with integrated handle; to raise the vehicle
- (2) Wheel brace; to remove the wheel bolts
- (3) Removable towing eye
- (4) Bolt cover removal tool (for alloy wheels)
- (5) Chock to immobilize the vehicle (depending on equipment)
- (6) Socket for the security bolts (located in the glove box) (depending on equipment); to adapt the wheelbrace to the special "security" bolts

Depending on version, the chock, the towing eye and the adapter for the locking wheel nuts may be located in a bag together with the tire repair kit.



For vehicles with spare wheel the jack and wheel wrench is located in a toolbox inside the spare wheel. → 156



To use the chock, fold apart and stick together.

## Spare Wheel

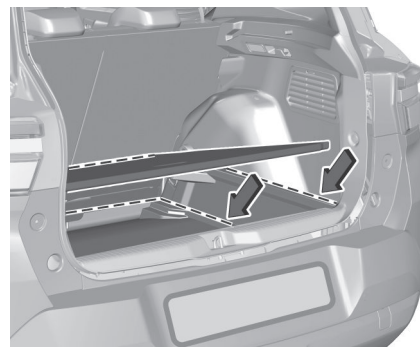
The spare wheel is located under the rear of the vehicle with the tool kit, secured by a winch system.

### ⚠ CAUTION

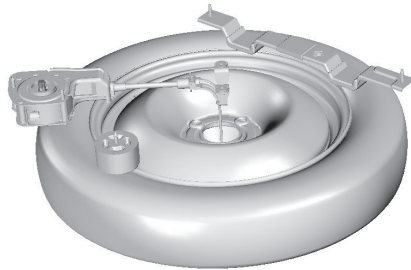
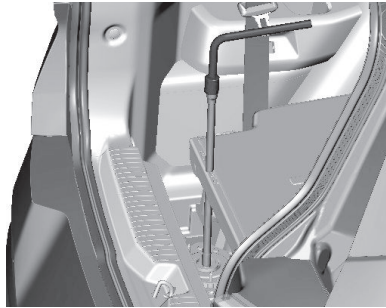
The use of a spare wheel that is smaller than the other wheels or in combination with winter tires could affect driveability. Have the defective tire replaced as soon as possible.

## Wheel Removal

1. Lift the floor panel to access the winch control.

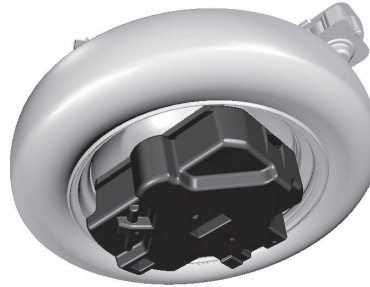


2. Unscrew the bolt until it stops, using the wheel brace and the jack handle, to release the winch cable.



Vehicle tools → 155

3. Pull the wheel and tool carrier assembly from the rear of the vehicle.



4. Remove the jack with its mounting clip to release the entire wheel/tool assembly.

## Changing A Wheel

Make the following preparations and observe the following information:

1. Park the vehicle on a level, firm and non-skid surface. The front wheels must be in the straight-ahead position.
2. Apply the parking brake and engage first gear, reverse gear or **P**.
3. Place a chock under the wheel diagonally opposite the wheel to be changed.
4. Remove the spare wheel.

5. Never change more than one wheel at once.
6. Use the jack only to change wheels in case of puncture, not for seasonal winter or summer tire change.
7. The jack is maintenance-free.
8. If the ground on which the vehicle is standing is soft, a solid board (max. 1 cm thick) should be placed under the jack.
9. Take heavy objects out of the vehicle before jacking up.
10. No people or animals may be in the vehicle when it is jacked-up.
11. Never crawl under a jacked-up vehicle.
12. Do not start the vehicle when it is raised on the jack.
13. Before screwing in the wheel bolts, clean them.

### **WARNING**

Do not grease wheel bolts.

### **WARNING**

Ensure to use always the correct wheel bolts if changing the wheels.

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When installing the spare wheel for temporary usage, the bolts for alloy wheel rims can also be used.

Note that the spare wheel is secured by the conical contact of each bolt if the wheel bolts for the alloy wheel rims are used. In this case, the washers do not come into contact with the spare wheel.

1. Disengage wheel bolt caps with the wheel bolt cover remover. Attach the wheel wrench and loosen each wheel bolt by half a turn.  
Vehicle tools ⇨ 155  
Steel wheel rims with cover:  
Pull off the wheel cover.

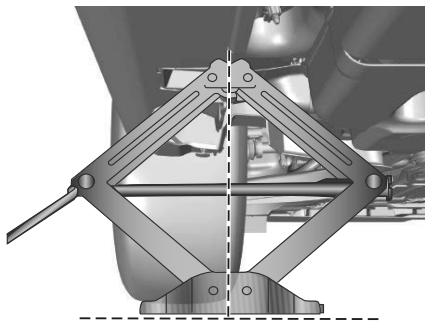


The wheels might be protected by locking wheel bolts. To loosen these

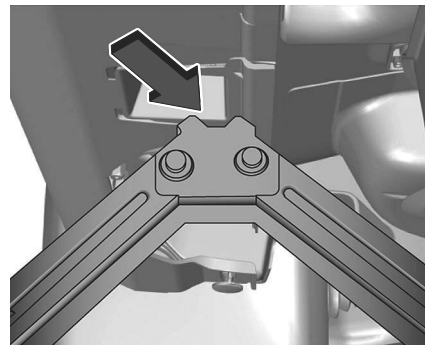
specific bolts, first attach the adapter for the locking wheel bolts onto the head of the bolt before installing the wheel wrench.

The adapter for the locking wheel nuts may be located in a toolbag in the load compartment or in a bag together with the tire repair kit.

- Vehicle tools ⇨ 155  
Tire repair kit ⇨ 160



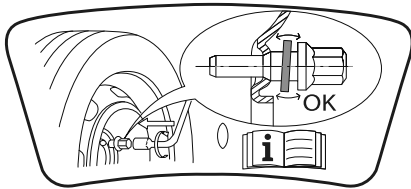
2. Ensure the jack is correctly positioned under the relevant vehicle jacking point.
3. Set the jack to the necessary height. Position it directly below the jacking point in a manner that prevents it from slipping.



4. Ensure that the edge of the body fits into the notch of the jack.
5. With the jack correctly aligned, jack up until wheel is clear of the ground.
6. Unscrew the wheel nuts.
7. Change the wheel.

## Wheel Installation

1. Screw on the wheel nuts.
2. Lower the vehicle and remove jack.
3. Install the wheel wrench ensuring that it is located securely and tighten each bolt in a crosswise sequence. Tightening torque for 15" is 100 Nm and for 16" is 115 Nm.



If the vehicle is equipped with alloy wheel rims, note that the wheel bolts can also be used for the spare wheel with steel rims. In this case, the spare wheel is secured by the conical contact of each bolt. Vehicles with wheel cover: align the valve hole in the wheel cover with the tire valve before installing.

4. Install wheel nut caps.

5. Stow the replaced wheel, the vehicle tools and the adapter for the locking wheel nuts → 155.
6. Check the tire pressure of the installed tire and the wheel nut torque as soon as possible.

### ⚠ WARNING

Do not exceed 80 km/h. Use only for a short distance, replace with a standard wheel as soon as possible. Expect altered handling: steering response, braking, and stability may be affected.

## After Wheel Changing

### ⚠ WARNING

Go to a dealer or a qualified workshop. Have the tightening of the spare wheel's bolts and its tire pressure checked. Have the punctured tire examined. After inspection, the technician will

advise you on whether the tire can be repaired or if it must be replaced.

### Tool storage

1. Put the tools back in the box and store the box in the boot of the vehicle.
2. Reel in the winch by turning the key in the clockwise direction: once the cable is completely reeled in, you should no longer feel any resistance.
3. Store the rest of the tools in the storage areas in the boot.

### Putting the winch carrier and spare wheel back in place

1. Place the appropriate tools in the box and close the cover again.
2. Place the tool box on the ground.

### ⓘ NOTE

If the damaged wheel is bigger than the spare wheel, then it cannot be stored under the vehicle because it is too large.

3. Straighten the wheel.
4. Pass the connecting piece through the wheel hub.

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5. Insert the connecting piece into the tool box hole.
6. Centre and position the spare wheel on the tool box.
7. Insert the centring guide into the wheel hub.
8. Place the wheel/box assembly beneath the rear of the vehicle.
9. Replace the wheel/box assembly beneath the vehicle by "loosening" the winch control nut with the wheelbrace and extension.
10. Tighten fully. When the cable is completely reeled in, turning the nut no longer encounters resistance.
11. Check that the wheel is properly flattened against the floor.

**i NOTE**

Ensure that the winch cable is fully retracted before driving.

**Stowing a damaged full size wheel in the load compartment**

The spare wheel well is not designed for other tire sizes than the spare wheel. A damaged full size wheel must be stowed in the load compartment and secured properly.

Loading information ⇨ 56

**Tire Repair Toolkit**

Minor damage to the tire tread can be repaired with the tire repair kit. Do not remove foreign bodies from the tires.

Tire damage exceeding 4 mm or that is at tire's sidewall cannot be repaired with the tire repair kit.

**⚠ WARNING**

**Do not drive faster than 80 km/h (50 mph).**

Do not use for a lengthy period. Steering and handling may be affected.

**i NOTE**

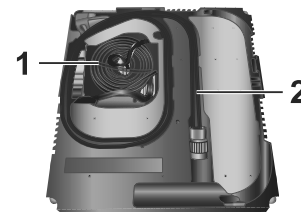
In the case of a flat tire: apply the parking brake and engage first gear, reverse gear or **P**.

Depending on version the location of the tire repair kit is different:

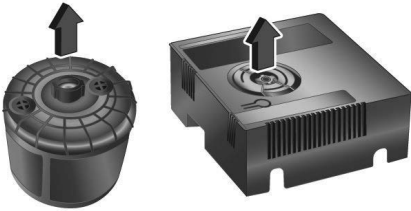
- at the left side of the load compartment

- below the third row seats with the seats folded
- behind the third row seat with the seats unfolded.

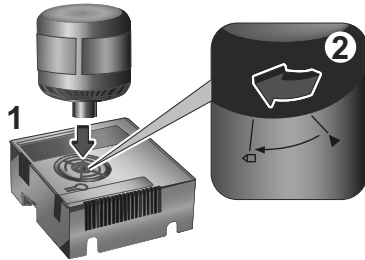
1. Remove the sealant bottle and the compressor.
2. Pull the speed limit label from the sealant bottle and place it in driver's visible area.



3. Remove the electric connection cable (1) and air hose (2) from the stowage compartments on the underside of the compressor.

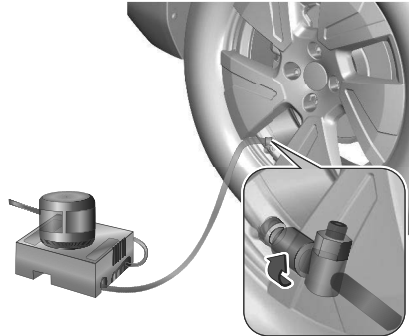


4. Open the sealant bottle and lift the lid.

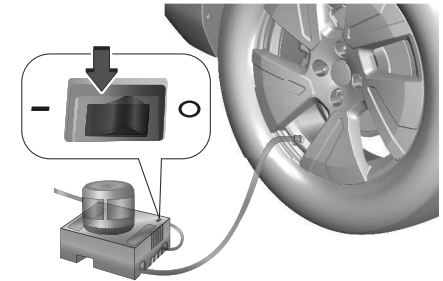


5. First, insert the sealant bottle into the compressor and align the triangle symbols. Then, push down the sealant bottle and turn it to the lock position.

6. Set the compressor near the tire in such a way that the sealant bottle is upright.
7. Unscrew the valve cap from the defective tire.



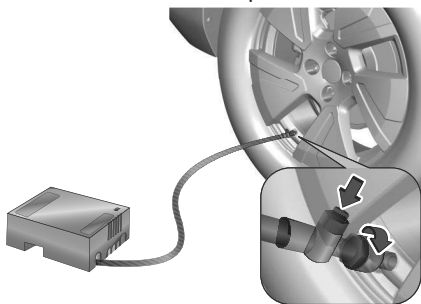
8. Screw the filler hose to the tire valve.
9. The switch on the compressor must be set to **O**.
10. Connect the compressor plug to the 12 V power outlet.  
To avoid discharging the vehicle battery, we recommend to use the tire repair kit only when the combustion engine is running or when the electric engine is ready.



11. Set the rocker switch on the compressor to **I**. The tire is filled with sealant.
12. The compressor pressure gauge briefly indicates up to 600 kPa (6 bar) whilst the sealant bottle is emptying (approx. 30 seconds). Then the pressure starts to drop.
13. All of the sealant is pumped into the tire. Then the tire is being inflated.
14. The prescribed tire pressure should be obtained within ten minutes.  
Tire pressure  $\Rightarrow$  201
15. When the correct pressure is obtained, switch off the compressor. If the prescribed tire pressure is not obtained within ten minutes, remove the tire repair kit. Move the vehicle one tire rotation.

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Reattach the tire repair kit and continue the filling procedure for ten minutes. If the prescribed tire pressure is still not obtained, the tire is too badly damaged. Seek the assistance of a workshop.



Drain excess tire pressure with the button on the air hose. Do not run the compressor longer than ten minutes.

16. Detach the tire repair kit. Remove the sealant bottle from the compressor. Screw the filler hose to the free connection of the sealant bottle. This prevents the sealant from escaping. Stow the tire repair kit in its designated position.

17. Remove any excess sealant using a cloth.

18. Continue driving immediately so that sealant is evenly distributed in the tire. Drive between 20 km/h and 60 km/h. After driving approx. 5 km but no more than ten minutes, stop and check tire pressure. Screw compressor air hose directly onto tire valve when doing this. Fill tire as described before. Drain excess tire pressure with the button on the air hose.

If tire pressure hasn't decreased under 200 kPa (2 bar), set it to the correct value. Otherwise the vehicle must not be used. Seek assistance of a workshop.

Repeat the checking procedure once more after driving further 10 km but no more than ten minutes to check that there is no more loss of pressure.

If the tire pressure has fallen below 200 kPa (2 bar), the vehicle must not be used. Seek the assistance of a workshop.

19. Stow the tire repair kit in its designated position.

## **i** NOTE

The driving characteristics of the repaired tire are severely affected, therefore have this tire replaced. If unusual noise is heard or the compressor becomes hot, turn the compressor off for at least 30 min. The built-in safety valve opens at a pressure of 700 kPa (7 bar). Note the expiry date of the kit. After this date its sealing capability is no longer guaranteed. Pay attention to the storage information on the sealant bottle.

Replace the used sealant bottle. Dispose of the bottle as prescribed by applicable laws.

The compressor and sealant can be used from approx. -30 °C.

## Jump Starting

Do not start with quick charger. A vehicle with a discharged vehicle battery can be started using jump leads and the vehicle battery of another vehicle.

**⚠ CAUTION**

Only jump start another vehicle with an ICE vehicle.

**⚠ WARNING**

Be extremely careful when starting with jump leads. Any deviation from the following instructions can lead to injuries or damage caused by battery explosion or damage to the electrical systems of both vehicles.

**⚠ WARNING**

Avoid contact of the battery with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact.

**⚠ WARNING**

Protect your eyes and face before handling the battery.  
All operations on the battery must be carried out in a well ventilated

area and away from naked flames and sources of sparks, to avoid any risk of explosion or fire.  
Wash your hands afterwards.

**⚠ WARNING****Frozen battery**

Never try to charge a frozen battery - risk of explosion!

If the battery has frozen, have it checked by a dealer or by a qualified workshop, who will verify that the internal components have not been damaged and that the case has not cracked, which could lead to a risk of leakage of toxic and corrosive acid.

**MHEV recommendation**

On **MHEV** versions, recharging the 12V battery allows starting of the engine and also charging the 48V traction battery via the DC-DC converter.

**⚠ WARNING**

**Do not try to charge the hybrid system directly.**

The hybrid system is connected to the 12 V network through the DC/DC converter. Any operation may affect the overall behaviour of the system.

**BEV recommendation****i NOTE****Flat 12 V battery**

It is no longer possible to start the motor or recharge the traction battery.

**⚠ WARNING**

**Precautions before working on the accessory battery**

Select mode **P**, switch off the ignition, check that the instrument panel is off and that the vehicle is not being charged.

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**⚠ WARNING**

**Jump-starting another vehicle**

Do not use the 12 V battery to jumpstart another vehicle or to charge another vehicle's battery.

**Starting Using Another Vehicle Battery**

**⚠ WARNING**

Always check in advance for leaks, cracks or any evident sign of damage on the flat battery before proceeding.

**⚠ WARNING**

**Electronic control units/LED technology headlamps**

Never connect the negative jump lead to the metal part of the electronic control units or at the back of the headlamps.  
Risk of destroying the electronic control units and/or headlamps!

Connect to the remote earth point provided for this purpose.

**i NOTE**

If the 12 V battery is completely discharged, the electric door locks will not function and prevent access to the hood release lever.

Refer to **Keys- Central locking not functioning** for more information.

**Accessing the 12V battery**

The 12V battery is located under the hood.

**i NOTE**

Refer to the "**Engine compartment - Opening the Hood**" section.

**Before starting the procedure**

- Never expose the vehicle battery to naked flames or sparks.
- A discharged vehicle battery can already freeze at a temperature of 0 °C. Defrost the frozen battery before connecting jump leads.
- Use a booster battery with the same voltage (12 V). Its capacity (Ah) must

not be much less than that of the discharged vehicle battery.

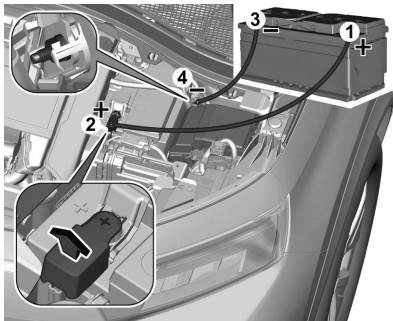
- Use jump leads with insulated terminals and a cross section of at least 16 mm<sup>2</sup>.
- Do not disconnect the discharged vehicle battery from the vehicle.
- Switch off all unnecessary electrical consumers.
- Do not lean over the vehicle battery during jump starting.
- Do not allow the terminals of one lead to touch those of the other lead.
- The vehicles must not come into contact with each other during the jump starting process.
- Apply the electric parking brake, transmission in neutral, automatic transmission in **P**.

**Connecting the leads**

1. Open the positive terminal protection caps of both vehicle batteries.
2. Connect the red lead to the positive terminal of the booster battery (1).
3. Connect the other end of the red lead to the positive terminal of the discharged battery (2).

4. Connect the black lead to the negative terminal of the booster battery (3).
5. Connect the other end of the black lead to a vehicle grounding point of your vehicle in the engine compartment (4).

Route the leads so that they cannot catch on rotating parts in the engine compartment.



### Starting operation

1. Start the engine on the assisting vehicle and leave it running for a few minutes.
2. For **ICE** or **MHEV**, operate the starter of the broken-down vehicle and let the engine run.

3. For **BEV**, press the **START/STOP** button on the broken-down vehicle and wait for the **READY** indicator to appear.
4. After five minutes, start the other engine. Start attempts should be made for no longer than 15 seconds at an interval of one minute.
5. Allow both engines to idle for approx. three minutes with the leads connected.
6. Switch on electric consumers e.g. headlights, heated rear window.
7. Reverse above sequence exactly when removing leads.

### Disconnecting the leads

1. Disconnect the jump leads in **reverse order**.
2. Refit the plastic cover on the (+) terminal, if fitted.
3. Let the engine run for at least 30 minutes (vehicle stationary) to allow the battery to accumulate an adequate amount of charge.

#### ⚠ WARNING

Driving immediately without having reached a sufficient level of charge

may affect some of the vehicle's functionalities.

## Charging Another Vehicle

Procedure for starting another vehicle is identical to the procedure of "**Starting Using Another Vehicle Battery**", under the point of view of the assisting vehicle.

#### ⚠ WARNING

Ensure the supplying battery is fully charged and in optimal operating conditions.

#### ⚠ WARNING

Always check in advance for leaks, cracks or any evident sign of damage on the flat battery before proceeding.

## 12V Battery Charger

A 12V battery charger is a portable power device designed to provide a very high electrical current for a short period of time in order to start a vehicle when the 12V Battery is discharged.

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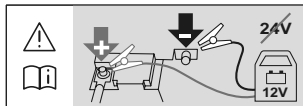
Never start the vehicle by connecting a Battery Charger (also referred to as a Battery Maintainer), as it is suitable only for prolonged operations of restoring the battery charge or to maintaining it at an optimal level, using a standard household electrical supply in an indoor environment.

**⚠ WARNING**

Follow the instructions provided by the manufacturer of the charger. Never reverse polarities.

**⚠ CAUTION**

If this label is present, use only a 12 V charger to avoid causing irreversible damage to the electrical components.



## Disconnecting - Connecting Battery

To maintain sufficient charge for vehicle starting, it is recommended to disconnect the 12V battery if the vehicle will remain unused for an extended period.. Before disconnecting the battery:

- close all openings (doors, trunk, windows).
- switch off all electrical devices (infotainment system, wipers, lights, etc.).
- switch off the ignition and wait for 4 minutes.

When accessing the battery, it is only necessary to disconnect the (+) terminal.

## After Being Recharged - Restarted

After reconnecting the battery, turn on the ignition and wait at least 1 minute before starting the engine to allow the electronic systems to initialize. If minor issues persist after this procedure, contact a dealer or a qualified workshop.

Some equipment may need to be re-initialized according to the relevant sections, including:

- Electronic key
- Electric windows
- Date and time
- Preset radio stations

## Towing

**i NOTE**

### General recommendations

Observe the legislation in force in the country where you are driving. Check that the towing vehicle is heavier than the towed vehicle.

The driver must remain at the wheel of the towed vehicle and must have a valid driving licence.

When towing a vehicle with all four wheels on the ground, always use an approved towbar; ropes and straps are prohibited.

The towing vehicle must move off gently.

When the vehicle is towed with its engine off, there is no longer braking and steering assistance.

**i NOTE**

In case of battery or electric parking brake failure, it is essential to call a professional using flatbed recovery vehicles (excluding manual gearbox).

**⚠ WARNING**

**A professional recovery service must be called in the following cases:**

- broken down on a motorway or main road
- not possible to put the gearbox into neutral, unlock the steering, or release the parking brake
- not possible to tow a vehicle with an automatic gearbox, with the engine running
- towing with only two wheels on the ground
- four-wheel drive vehicle
- no approved towbar available

**Towing The Vehicle****Front cap**

Remove the cap.



The towing eye is stowed with the vehicle tools ➡ 155

**Front towing eye**

Screw in the towing eye as far as it will go until it stops in a horizontal position. Attach the tow rod to the towing eye. The towing eye must only be used for towing and not for recovering the vehicle. Switch on ignition to release steering wheel lock and to permit operation of brake lights, horn and windscreen wiper.

**⚠ CAUTION**

Deactivate the driver assistance systems like active emergency braking, otherwise the vehicle may automatically brake during towing.

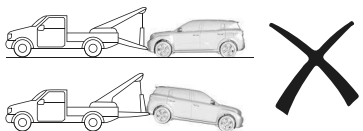
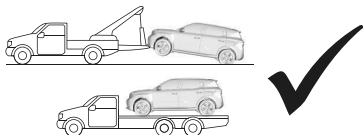
Switch the selector lever to neutral. Release the parking brake.

**⚠ CAUTION**

Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

When the engine is not running, considerably more force is needed to brake and steer.

To prevent the entry of exhaust gases from the towing vehicle, switch on the air recirculation and close the windows.



When towing a BEV, a Hybrid 48 V vehicle or a vehicle equipped with an automatic transmission, transport the vehicle on a platform or tow it with the front wheels lifted.

Seek the assistance of a workshop. After towing, unscrew the towing eye. Insert cap with the outer flange into the recess and fix cap by pushing.

## Towing Another Vehicle

### ⚠ WARNING

For Hybrid 48 V vehicles in high altitude conditions (>2500 m asl)

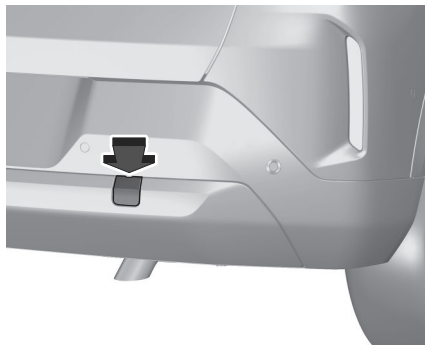
towing capacity is restricted as it may affect vehicle performance.

### ⚠ WARNING

For Hybrid (48 V) towing capacity is restricted as it may affect vehicle performance.

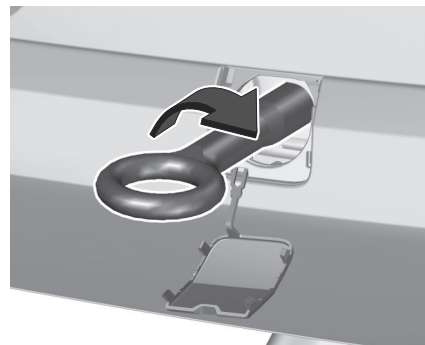
### Rear cap

Remove the cap.



The towing eye is stowed with the vehicle tools ⇨ 155

### Rear towing eye



Screw in the towing eye as far as it will go until it stops in a horizontal position. Attach a tow rope – or better still a tow rod – to the towing eye. The towing eye must only be used for towing and not for recovering a vehicle.

### ⚠ CAUTION

Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

After towing, unscrew the towing eye. Insert cap with the upper flange into the recess and fix cap by pushing.

# MAINTENANCE AND VEHICLE CARE

## General Information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

The detailed, up-to-date service schedule for your vehicle is available at the workshop.

Severe operating conditions exist if one or more of the following circumstances occur frequently: Cold starting, stop and go operation, e.g. for taxis and police vehicles, trailer operation, mountain driving, driving on poor and sandy road surfaces, increased air pollution, presence of airborne sand and high dust content, driving at high altitude and large variations of temperature.

Under these severe operating conditions, certain service work may be required more frequently than the regular service interval indicated in the service display. Contact a workshop for customised service schedules.

Service display  81

## Accessories And Vehicle Modifications

We recommend the use of genuine parts and accessories and factory approved parts specific for this vehicle type. We cannot assess or guarantee reliability of other products - even if they have a regulatory or otherwise granted approval.

Any modification, conversion or other changes made to standard vehicle specifications (including, without limitation, software modifications, modifications of the electronic control units) may invalidate the warranty offered by Opel. Furthermore, such changes may affect driver assistance systems, may impact fuel consumption, CO<sub>2</sub> emissions and other emissions of the vehicle and cause the vehicle to no longer conform to the operating permit, impacting the validity of your vehicle registration.

### CAUTION

Access to the diagnostic socket associated with the on-board electronics is reserved for qualified technicians and approved tools.

### CAUTION

When transporting the vehicle on a train or on a recovery vehicle, the mud flaps might be damaged.

## Mobile Phones and CB Radio Equipment

The vehicle specific installation instructions and the operating guidelines of the mobile phone and hands-free manufacturer must be observed when installing and operating a mobile telephone. Failure to do so could invalidate the vehicle type approval. Recommendations for fault-free operation:

- Professionally installed exterior antenna to obtain the maximum range possible.

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- Maximum transmission power 10W.
- Installation of the phone in a suitable spot, consider the area in which the airbag inflates → 27

Seek advice on predetermined installation points for the external antenna or equipment holder and ways of using devices with a transmission power exceeding 10W.

Use of a hands-free attachment without external antenna with mobile telephone standards GSM 900/1800/1900 and UMTS is only permitted if the maximum transmission power of the mobile telephone is 2W for GSM 900 or 1W for the other types.

For reasons of safety, do not use the phone while driving. Even use of a hands-free set can be a distraction while driving.

**⚠ WARNING**

Operation of radio equipment and mobile telephones which fail to meet above mentioned mobile telephone standards is only permitted using an antenna located outside of the vehicle.

**⚠ CAUTION**

Mobile telephones and radio equipment may lead to malfunctions in the vehicle electronics when operated inside the vehicle with no exterior antenna, unless the above mentioned regulations are observed.

### Very Cold Climate Covers

(Depending on country)  
It is recommended to have the cold protection covers installed by a workshop.

**⚠ WARNING**

The cold protection covers must be removed when one of the following conditions occurs:

- The ambient temperature is above 10 °C.
- The vehicle is towing a trailer.
- The vehicle is driven at speeds above 120 km/h.

## End-Of-Life Vehicle Disposal

Information on end-of-life vehicle recovery centres and the recycling of end-of-life vehicles is available on our website, where legally required. Only entrust this work to an authorised recycling centre.



### High voltage battery

The high voltage battery is designed for the life of the vehicle if the recommendations are followed. If it becomes necessary to replace the high voltage battery, contact a workshop for instructions on its disposal. Improper disposal carries the risk of severe burns, electric shock, and damage to the environment.

## Service Information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

The detailed, up-to-date service schedule for your vehicle is available at the workshop.

Severe operating conditions exist if one or more of the following circumstances occur frequently: Cold starting, stop and go operation, e.g. for taxis and police vehicles, trailer operation, mountain driving, driving on poor and sandy road surfaces, increased air pollution, presence of airborne sand and high dust content, driving at high altitude and large variations of temperature.

Under these severe operating conditions, certain service work may be required more frequently than the regular service interval indicated in the service display. Contact a workshop for customised service schedules.  
Service display → 81

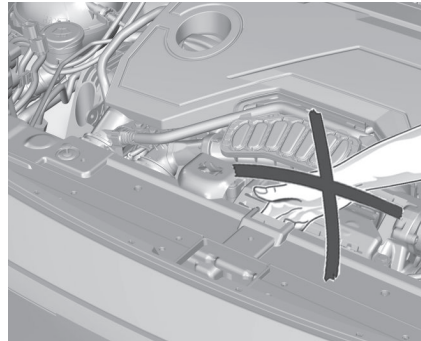
## Confirmations

Confirmation of service is recorded in the Service and warranty booklet. The date and mileage is completed with the stamp and signature of the servicing workshop.

Make sure that the Service and warranty booklet is completed correctly as continuous proof of service is essential if any warranty or goodwill claims are to be met, and is also a benefit when selling the vehicle.

## Scheduled Servicing

### Periodic Checks



### ⚠ WARNING

Only perform engine compartment checks when the ignition is off. The cooling fan may start operating even if the ignition is off.

### BEV

### ⚠ DANGER

The ignition system uses extremely high voltage. Do not touch.



### ⚠ DANGER

Electric or Hybrid versions:  
Never try to perform maintenance work on high voltage components yourself. You may be injured and the vehicle may be damaged. Service and repair of these high voltage components should only be performed by a trained service

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technician with proper knowledge and tools. Exposure to high voltage may cause shock, burns, and even death. The high voltage components in the vehicle can only be serviced by technicians with special training. High voltage components are identified by labels. Do not remove, open, take apart, or modify these components. High voltage cable or wiring has orange covering. Do not probe, tamper with, cut, or modify high voltage cable or wiring.

**⚠ WARNING**

Electric or Hybrid versions:  
Only perform engine compartment checks when the vehicle is off.  
The cooling fan may start operating even if the vehicle is off.

**⚠ CAUTION**

Electric or Hybrid versions:  
Even small amounts of contamination to the liquids can cause damage to vehicle systems.

Do not allow contaminants to contact the fluids, reservoir caps, or dipsticks.

### Checking Fluids Level

Check all of the following levels regularly in accordance with the Manufacturer's service schedule. Top them up if required, unless otherwise indicated. If a level drops significantly, have the corresponding system checked by a dealer or a qualified workshop.

**⚠ WARNING**

The fluids must comply with the Manufacturer's requirements and with the vehicle's engine.

**⚠ WARNING**

Take care when working under the bonnet, as certain areas of the engine may be extremely hot (risk of burns) and the cooling fan could start at any time (even with the ignition off).

### Used Products

**⚠ WARNING**

Avoid prolonged contact of used fluids with the skin.  
Most of these fluids are harmful to health and very corrosive.



Do not discard used oil or fluids into sewers or onto the ground.

Empty used oil into the containers reserved for this purpose at a dealer or a qualified workshop.

### Engine Oil



The level is checked, with the engine having been switched off for at least 30 minutes and on level ground, either using the oil level indicator in the instrument panel when the ignition is switched on (for vehicles equipped with an electric gauge), or using the dipstick.

It is normal to top up the oil level between two services (or oil changes). It is recommended that you check the

level, and top up if necessary, every 3,000 miles (5,000 km).

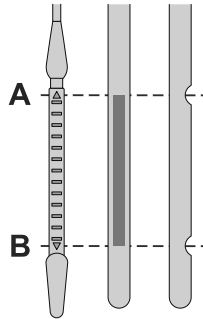
**⚠ WARNING**

In order to maintain the reliability of the engine and emissions control system, never use additives in the engine oil.

**Checking using the dipstick**

For the location of the dipstick, please refer to the illustration of the corresponding engine compartment.

- Grasp the dipstick by its colored grip and pull it out completely.
- Wipe the end of the dipstick using a clean, lint-free cloth.



- Reinsert the dipstick and push fully down, then pull it out again to visually check the oil level: the correct level is between marks **A (MAX)** and **B (MIN)**.

**Do not start the engine if the level is:**

- above mark **A**: contact a dealer or qualified workshop.
- below mark **B**: top up the engine oil immediately.

**⚠ WARNING**

**Oil grade**

Before topping up or changing the engine oil, check that the oil is suitable for your engine and complies with the recommendations in the service schedule supplied with the vehicle (or available from your dealer or a qualified workshop). Use of non-recommended oil may invalidate your warranty in the event of engine failure.

**Topping up the engine oil level**

For the location of the engine oil filler cap, please refer to the corresponding engine compartment illustration.

**⚠ WARNING**

Never remove the oil filler cap with the engine running. Risk of burns and splashes inside the engine compartment.

- Add oil in small quantities, avoiding any spills on engine components (risk of fire).
- Wait a few minutes before checking the level again using the dipstick.
- Top up the level if necessary.
- After checking the level, carefully screw the oil filler cap back on and push the dipstick back into its tube up to the stop.

**⚠ WARNING**

The dipstick must be pushed completely in to prevent oil from spilling onto the engine. Risk of fire inside the engine compartment.

**i NOTE**

The oil level indication displayed on the instrument panel when the ignition is switched on is not valid for

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30 minutes following an addition of oil.

## Washer Fluid



Top up to the required level when necessary.

The fluid must be topped up with a pre-mixed product.

In winter (temperatures below zero), a fluid containing an anti-freeze agent which is appropriate for the temperature conditions must be used in order to protect the system's components (pump, tank, ducts, jets).

### WARNING

Filling with pure water is prohibited in all circumstances (risk of freezing, limescale, etc.). The use of vinegar or any other non-dedicated product will cause irreversible damage to the windshield washer system.

## Brake Fluid



The level of this fluid should be close to the "**MAX**" mark. If not, check the brake pads for wear.

To know how often the brake fluid should be replaced, refer to the manufacturer's servicing schedule.

### WARNING

Clean the cap before removing it to refill. Use only DOT4 brake fluid from a sealed container.

## Brakes

Depending on the driving style, the brake wear may vary significantly. The brake wear may increase when the vehicle is driven over short distances, e.g. in the city.

It may be necessary to have the condition of the brakes checked, even between vehicle services.

Unless there is a leak in the circuit, a drop in the brake fluid level indicates that the brake pads are worn. Once new brake linings are installed, do not brake unnecessarily hard for the first few journeys.

## Engine Coolant

### For ICE and Hybrid 48 V versions



It is normal to top up this fluid between two services.

The check and top-up must only be done with the engine cold.

A level of coolant that is too low risks causing major damage to the engine; the coolant level must be close to the "**MAX**" mark without ever going above it.

If the level is close to or below the "**MIN**" mark, it is essential to top it up.

When the engine is hot, the temperature of the coolant is regulated by the fan.


As the cooling system is pressurized, wait at least one hour after switching off the engine before carrying out any work.


In order to avoid the risk of scalding if you need to top up in an emergency, wrap a cloth around the cap and unscrew the cap by two turns to allow the pressure to drop.

Once the pressure has dropped, remove the cap and top up to the required level.

BEV versions

**⚠ CAUTION**

 Do not top up the coolant.



If the level is close to or below the "MIN" mark, it is essential to contact contact a dealer or a qualified workshop.

## Recommended Fluids, Lubricants And Parts

Only use products that meet the recommended specifications.

**⚠ WARNING**

Operating materials are hazardous and could be poisonous. Handle with care. Pay attention to information given on the containers.

## Engine Oil

Engine oil is identified by its quality and its viscosity. Quality is more important than viscosity when selecting which engine oil to use. The oil quality ensures e.g. engine cleanliness, wear protection and oil aging control, whereas viscosity grade gives information on the oil's thickness over a temperature range.

Use the appropriate engine oil given on the service schedule sheet handed over by the selling dealer.

### Topping up engine oil

**⚠ CAUTION**

In case of any spilled oil, wipe it up and dispose it properly.

Engine oils of different manufacturers and brands can be mixed as long as they comply with the required engine oil quality and viscosity.

Use of engine oils for all petrol engines with only ACEA quality is prohibited, since it can cause engine damage under certain operating conditions.

## Additional engine oil additives

The use of additional engine oil additives could cause damage and invalidate the warranty.

### Engine oil viscosity grades

The SAE viscosity grade gives information of the thickness of the oil.

Multigrade oil is indicated by two figures, e.g. SAE 5W-30. The first figure, followed by a W, indicates the low temperature viscosity and the second figure the high temperature viscosity.

Select the appropriate viscosity grade depending on the minimum ambient temperature.

All of the recommended viscosity grades are suitable for high ambient temperatures.

## Washer Fluid

Use only washer fluid approved for the vehicle to prevent damage of wiper blades, paintwork, plastic and rubber parts. Consult a workshop.

### Fluid specification

The fluid must be topped up with a pre-mixed product.

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In winter (temperatures below zero), a fluid containing an anti-freeze agent which is appropriate for the temperature conditions must be used in order to protect the system's components (pump, tank, ducts, jets).

**⚠ WARNING**

Filling with pure water is prohibited under all circumstances (risk of freezing, limestone deposits, etc.).

**i NOTE**

The use of vinegar or any other non-dedicated product will cause irreversible damage to the windscreen washer system.

## Brake And Clutch Fluids

Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval. Use only brake fluid approved for the vehicle. Consult a workshop.

## Antifreeze Coolant

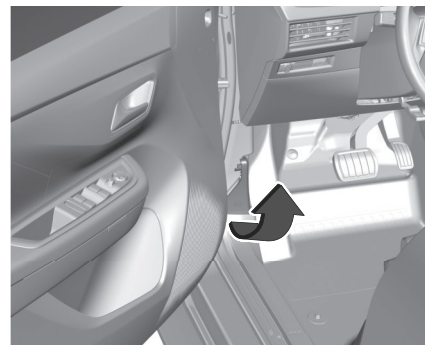
Use only antifreeze approved for the vehicle. Consult a workshop. The system is factory filled with coolant designed for excellent corrosion protection and frost protection down to approx.  $-28^{\circ}\text{C}$ . In cold regions with very low temperatures the factory filled coolant provides frost protection down to approx.  $-37^{\circ}\text{C}$ . The use of additional coolant additives that intend to give additional corrosion protection or seal against minor leaks can cause function problems. Liability for consequences resulting from the use of additional coolant additives will be rejected.

## Engine Compartment

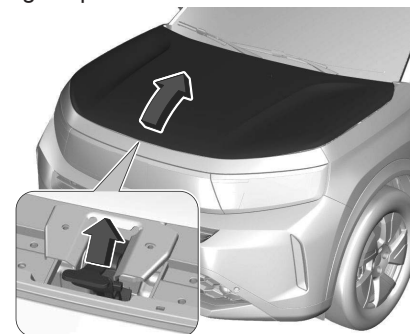
### Access To Engine Compartment

#### Opening

Open the left front door.



Pull the release lever and return it to its original position.



Lift the exterior safety catch and raise the hood. Unclip the hood support from its housing and place it in the support slot to hold the hood open.

## Closing

Hold the hood and pull out the hood support from the support slot. Clip the hood support in its housing. Lower the hood and let it fall into the latch from a low height (20-25 cm).

### ⚠ CAUTION

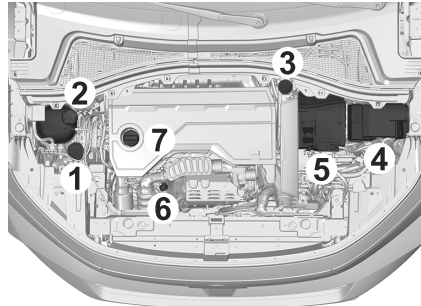
Do not press the bonnet into the latch to avoid dents

Check that the hood is engaged.

### ⚠ WARNING

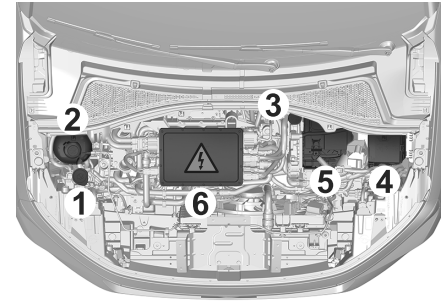
Because of the presence of electrical equipment under the bonnet, it is strongly recommended that exposure to water (rain, washing, etc.) be limited.

## Hybrid 48V Engine



- 1 Windshield washer fluid reservoir
- 2 Engine coolant reservoir
- 3 Brake fluid reservoir
- 4 Fusebox
- 5 Battery/Fuses
- 6 Engine oil dipstick
- 7 Engine oil filler cap

## BEV Engine



- 1 Windshield washer fluid reservoir
- 2 Engine coolant reservoir (level only)
- 3 Brake fluid reservoir
- 4 Fusebox
- 5 Battery/Fuses
- 6 Electric motor

For more information on the **Charging system (Electric)**, refer to the corresponding section.

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## Checking Oil Level

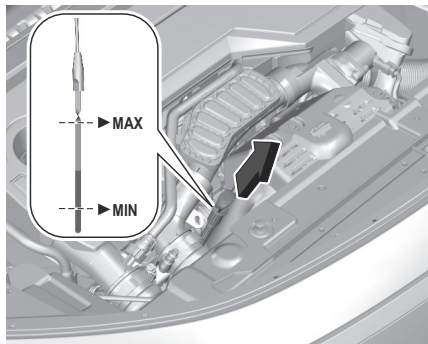
Check the engine oil level manually on a regular basis to prevent damage to the engine. Ensure that the correct specification of engine oil is used.

Recommended fluids and lubricants

➡ 175

The maximum engine oil consumption is 0.6 l per 1000 km.

Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least five minutes.



Pull out the dipstick, wipe it clean, reinsert it fully, pull out and read the engine oil level.

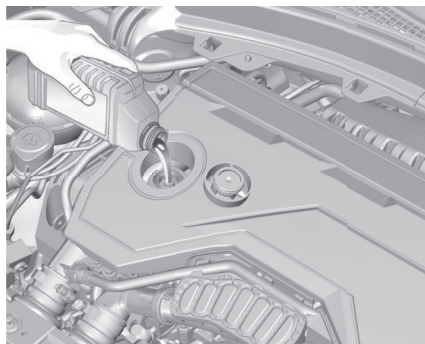
Different dipsticks are used depending on engine variant.

### ⚠ WARNING

Insert dipstick fully up to the stop on the handle.

Ensure that no engine oil gets into the engine compartment, as this increases risk of fire.

When the engine oil level has dropped to the **MIN** mark, top up the engine oil. We recommend the use of the same grade of engine oil that was used at last oil change.



The engine oil level must not exceed the **MAX** mark on the dipstick.

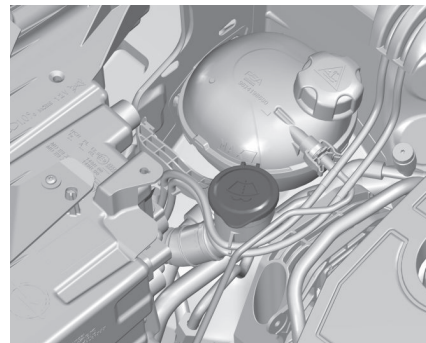
### ⚠ CAUTION

Overfilled engine oil must be drained or suctioned out. If the oil exceeds the maximum level, do not start the vehicle and contact a workshop.

Fit the cap on straight and tighten it.

Capacities ➡ 202

## Adding Washer Fluid



Fill with clean water mixed with a suitable quantity of approved wind-screen washer fluid which contains antifreeze.

**⚠ CAUTION**

Only washer fluid with a sufficient antifreeze concentration provides protection at low temperatures or a sudden drop in temperature.

Washer fluid ⇨ 175

### Adding Coolant Fluid

The factory filled coolant provides freeze protection down to approx. -37 °C.

**⚠ CAUTION**

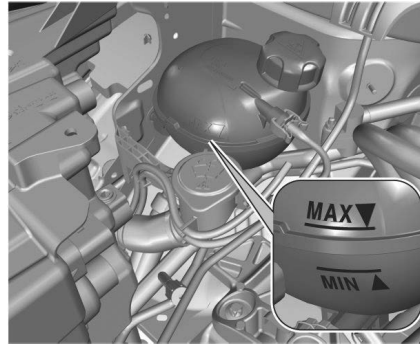
A too low coolant level can cause damage to the high voltage components.

**⚠ CAUTION**

Only use approved antifreeze.

Coolant and antifreeze ⇨ 175

### Coolant level BEV



If the coolant level is at the MIN mark or below, seek the assistance of a workshop to have the engine coolant topped up.

**⚠ CAUTION**

Using the wrong engine coolant can cause severe damages to the high voltage battery. Only experienced mechanics are allowed to open the coolant reservoir and to top up coolant.

Propulsion types ⇨ 6

### Coolant level ICE and Hybrid 48 V

If the cooling system is cold, the coolant level should be above the MIN mark. Top up if the level is low.

**⚠ WARNING**

Allow the engine to cool before opening the cap. Carefully open the cap, relieving the pressure slowly.

To top up, use a 1:1 mixture of released coolant concentrate mixed with clean tap water. If no coolant concentrate is available, use clean tap water. Install the cap tightly. Have the coolant concentration checked and have the cause of the coolant loss remedied by a workshop.

### Checking Brake Fluid

**⚠ WARNING**

Brake fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.

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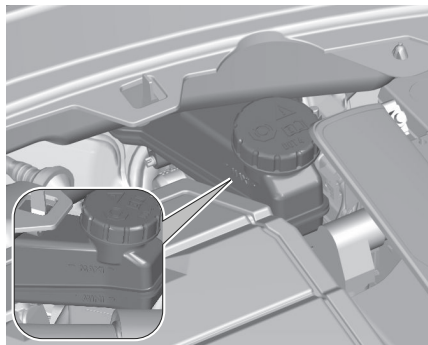
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The brake fluid level must be between the **MIN** and **MAX** marks.

If fluid level is below **MIN** seek the assistance of a workshop.

Brake fluid ⇨ 175

## Brakes

Depending on the driving style, the brake wear may vary significantly. The brake wear may increase when the vehicle is driven over short distances, e.g. in the city.

It may be necessary to have the condition of the brakes checked, even between vehicle services.

Unless there is a leak in the circuit, a drop in the brake fluid level indicates that the brake pads are worn.

Once new brake linings are installed, do not brake unnecessarily hard for the first few journeys.

## 12V Battery

The vehicle battery is maintenance-free provided that the driving profile allows sufficient charging of the battery. Short-distance-driving and frequent engine starts can discharge the battery. Avoid the use of unnecessary electrical consumers.



Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point. Laying up the vehicle for more than four weeks can lead to battery discharge. Disconnect the clamp from the negative terminal of the vehicle battery.

Ensure the ignition is switched off before connecting or disconnecting the vehicle battery.

### **WARNING**

Protect your eyes and face before handling the battery. All operations on the battery must be carried out in a well ventilated area and away from naked flames and sources of sparks, to avoid any risk of explosion or fire. Wash your hands afterwards.

### **WARNING**

#### **Electronic control units/LED technology headlamps**

Never connect the negative jump lead to the metal part of the electronic control units or at the back of the headlamps. Risk of destroying the electronic control units and/or headlamps! Connect to the remote earth point provided for this purpose.

**⚠ WARNING**

**Automatic gearbox**

Never try to start the engine by pushing the vehicle.

**⚠ WARNING**

Never try to charge a **frozen battery** - risk of explosion! If the battery has frozen, have it checked by a dealer or qualified workshop, who will verify that the internal components have not been damaged and that the case has not cracked, which could lead to a risk of leakage of toxic and corrosive acid.

**Replacing the vehicle battery**

If necessary, replace the 12V battery with another original battery with the same specifications. Follow the battery manufacturer's instructions for maintenance.

**i NOTE**

Any deviation from the instructions given in this section may lead to

temporary deactivation or disturbance of the stop-start system.

When the vehicle battery is being replaced, ensure that there are no open ventilation holes in the vicinity of the positive terminal. If a ventilation hole is open in this area, it must be closed off with a dummy cap, and the ventilation in the vicinity of the negative terminal must be opened.

Ensure that the vehicle battery is always replaced by the same type of battery.

All battery information can be found online at <https://public-service-box.opel.com/OVddb/OV/index.html>. The vehicle battery has to be replaced by a workshop.

Stop-start system ⇨ 102

**Check connections**

Check regularly that the terminals are correctly tightened (versions without quick-release terminals) and that the connections are clean.

**Charging the vehicle battery**

**⚠ WARNING**

On vehicles with stop-start system, ensure that the charging potential does not exceed 14.6 V when using a battery charger. Otherwise the vehicle battery may be damaged.

Jump starting ⇨ 162



These batteries contain harmful substances (sulphuric acid and lead).

They must be disposed of in accordance with regulations and must never under any circumstances be discarded with household waste. Dispose of used batteries at a designated collection point.

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## BEV versions

### **i** NOTE

#### **Flat accessory battery**

It is no longer possible to start the motor or recharge the traction battery.

### **⚠** WARNING

#### **Precautions before working on the accessory battery**

Select mode **P**, switch off the ignition, check that the instrument panel is off and that the vehicle is not being charged.

### **⚠** WARNING

#### **Jump-starting another vehicle**

Do not use the accessory battery to jump-start another vehicle or to charge another vehicle's battery.

## Symbols

The following safety symbols are visible over the 12V battery:



No sparks or naked flames, no smoking



Always protect your eyes. Explosive gases can cause blindness and injury



Keep the vehicle's battery out of reach of children



The vehicle's battery contains sulfuric acid which can make you go blind or cause severe burns



For more information, refer to the **Owner's Manual**



Explosive gases can be present close to the battery

## Discharge Protection

### Battery voltage

When the vehicle battery voltage is running low, a warning message will appear on the cluster.

When the vehicle is being driven, the load reduction function temporarily deactivates certain functions, e.g. the heated rear window, the heated steering wheel, etc.

The deactivated functions are reactivated automatically as soon as conditions permit.

### Idle boost

If charging of the vehicle battery is required due to battery condition, the power output of the generator must be increased. This will be achieved by an idle boost which may be audible. A message appears on the cluster.

### Power outlet

The power outlets are deactivated in the event of low vehicle battery voltage.

### Power Saving Mode

This mode deactivates electrical consumers to avoid excessive discharging of the vehicle battery. These consumers, such as the Infotainment system, windshield wipers, low beam headlights, courtesy light, etc. can be used for a total maximum time of about 40 minutes after ignition is switched off.

### Changing into power saving mode

When power saving mode is activated, a message appears in the Driver Information Centre.

An active telephone call using the hands-free option will be maintained for around ten minutes longer.

### Deactivating power saving mode

Power saving mode is deactivated automatically when the engine is restarted. Run the engine for a sufficient charge:

- for less than ten minutes to use the consumers for approx. five minutes
- for more than ten minutes to use the consumers for up to approx. 30 minutes

### Heating functionalities

**i NOTE**

Individual heating functionalities, such as heated seats or heated steering wheel, may be temporarily unavailable in the event of electrical loading constraints. Functions will be resumed after some minutes.

### High Voltage Battery

**⚠ WARNING**

Damage to the high voltage battery or high voltage system can create a risk of electric shock, overheating, or fire.

If the vehicle has been damaged or affected by a moderate to severe crash, it must be inspected as soon as possible by qualified personnel. Until the technical inspection has been carried out, the vehicle must be stored outside at a minimum distance of 5 metres from any structure or other flammable objects. If the vehicle has been damaged or affected by flood or fire, it must not be moved at all and has to be inspected by qualified personnel as soon as possible.

To preserve the range and the durability of the high voltage battery, the following is recommended:

- Whenever possible do not charge the high voltage battery more than 80%.
- Do not completely discharge the high voltage battery.

- Do not store the vehicle for a long period of non-use (more than twelve hours) when the high voltage battery has a low or high charge level. Prefer a charge level between 20 and 40%.
- Limit the use of fast charging.
- Do not expose the vehicle to temperatures below -30 °C and above 60 °C for more than 24 hours.
- Avoid charging the vehicle at low temperatures (except if the vehicle ran more than 20 minutes) or above 30 °C.
- Do not use the high voltage battery as a generator of energy.
- Do not use a generator to recharge the high voltage battery.

### Leakage

Damage to the high voltage battery could result in the leakage of toxic gases or fluids either immediately or later. The following is recommended:

- Always inform the fire and emergency services in the event of an incident, that the vehicle is equipped with a high voltage battery.
- Never touch the liquids leaking from the high voltage battery.



- Do not inhale the gases emitted by the high voltage battery which are toxic.
- Move away from the vehicle in the event of incident or accident, the gases emitted being flammable and could cause a fire.
- Too low a coolant level must be topped up and the cause of the coolant loss remedied by a workshop.

## Engine Washing

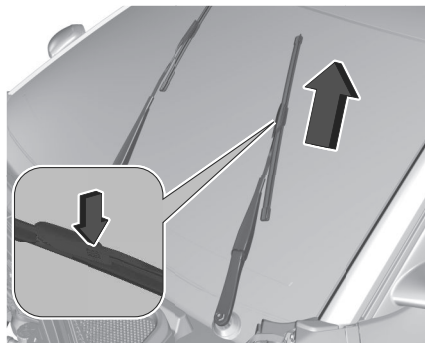
### WARNING

Because of the presence of electrical equipment under the bonnet, it is strongly recommended that exposure to water (rain, washing, etc.) be limited.

## Vehicle Maintenance

### Wiper Blade Replacement

#### Windshield



### WARNING

**NEVER** attempt to move the wipers manually. This can cause permanent damage to the mechanism.

1. Switch off ignition.
2. Within one minute after switching off ignition, operate the wiper lever to position the wiper blades vertically on the windscreen.

3. Lift the wiper arm until it stays in the raised position, press button to disengage the wiper blade and remove.
4. Attach the new wiper blade to the wiper arm and push until it engages.
5. Lower wiper arm carefully.

#### Rear window



1. Lift wiper arm. Disengage wiper blade as shown in illustration and remove.
2. Attach the wiper blade slightly angled to the wiper arm and push until it engages.
3. Lower wiper arm carefully.

## Cabin Air Filter



Depending on the environment and the use of the vehicle (e.g. dusty atmosphere, city driving), **change it twice as often, if necessary.**

### **i** NOTE

A clogged passenger compartment filter can adversely affect air conditioning system performance and generate undesirable odors.

## Engine Oil Filter



Change the oil filter each time the engine oil is changed.

## Engine Air Filter



Depending on the environment and the use of the vehicle (e.g. dusty atmosphere, city driving), **change it twice as often, if necessary.**

## Air Conditioner Maintenance

In order to ensure continuously efficient performance, cooling must be operated for a few minutes once a month, irrespective of the weather and time of year.

Operation with cooling is not possible when the outside temperature is too low.

Depending on the environment and the use of the vehicle (e.g. dusty atmosphere, city driving), change it twice as often, if necessary.

A clogged passenger compartment filter can adversely affect air conditioning system performance and generate undesirable odours.

## Compartment Filter



Depending on the environment and the use of the vehicle (e.g. dusty atmosphere, city driving), **change it twice as often, if necessary.**

### **i** NOTE

A clogged passenger compartment filter can adversely affect air conditioning system performance and generate undesirable odours.

## Automatic Transmission



The gearbox does not require any maintenance (no oil change).

## Fuses

### Changing a fuse

A defective fuse must be replaced by a workshop.

## Bulb Replacement

Before replacing a bulb, ensure that all exterior and interior lights and the ignition are switched off.

Only hold a new bulb at the base.

Do not touch the bulb glass with bare hands.

Use only the same bulb type for replacement.

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### Bulb check

Switch on the ignition, operate and check the lights.

**⚠ WARNING**

Do not touch the LED or Full LED technology headlamps - risk of electrocution!

**⚠ WARNING**

### Light-emitting diode (LED) headlights

In case of replacement of this type of light, contact a dealer or a qualified workshop.

## Light-Emitting Diode (LED) Headlights And Lights

Headlights for low and high beam, daytime running lights and turn lights are designed as LEDs and cannot be changed.

Have lights repaired by a workshop in case of failure.

## Front Fog Lights

Fog lights are designed as LEDs.

Have the lights repaired by a workshop in case of failure.

## Rear Fog Lights

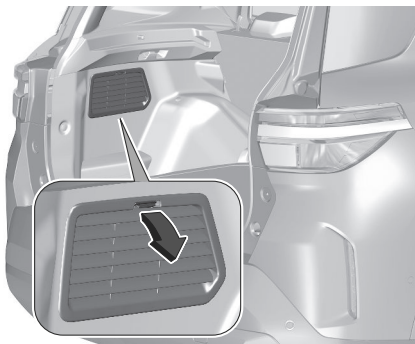
Fog lights are designed as LEDs. Have the lights repaired by a workshop in case of failure.

## Tail Lights

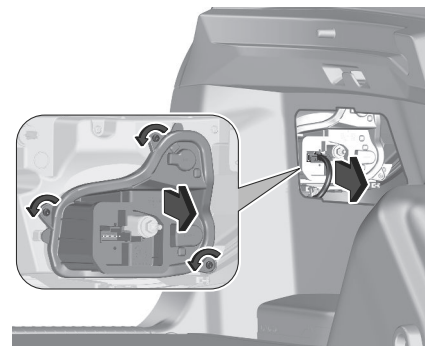
### LED Tail Lights

Have lights repaired by a workshop in case of failure.

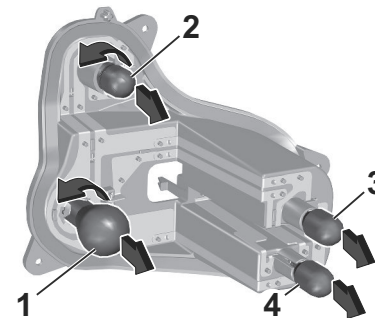
### Tail Light Assembly



1. Open the tailgate, press the tab on the relevant panel downwards to unclip it and remove the panel.



2. Carefully detach the plug from the retainer. Turn the three screws anticlockwise and take them out. Remove the bulb carrier from the tail light assembly.

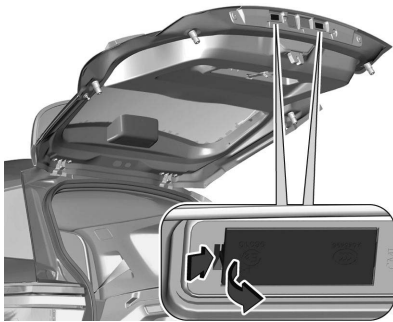


3. Remove and replace the bulbs:
  - 1 Position light / Stop light
  - 2 Position light
  - 3 Turn light
  - 4 Reverse light
4. Insert the bulb carrier into the tail light assembly.  
 Insert the three screws and turn them clockwise.  
 Attach the plug to the light assembly.  
 Attach the cover.

## Centre High-Mounted Brake Light

Have lights repaired by a workshop in case of failure.

## Number Plate Lights



1. Insert a screwdriver in the recess of the cover and remove it.
2. Pull the bulb from the bulb holder and replace it.
3. Attach the cover.

## Interior Lights

Have the following bulbs replaced by a workshop:

- courtesy light, reading lights
- load compartment light
- instrument cluster illumination

## Tires And Wheels

The inflation pressure of all tires, including the spare wheel, must be checked on "cold" tires. The pressures indicated on the tire pressure label are valid for "cold" tires. If you have driven for more than 10 minutes or more than 10 kilometers at over 50 km/h, add 0.3 bar (30 kPa) to the values indicated on the label.

### WARNING

Under-inflation increases energy consumption. Non-compliant tire pressures cause tires to wear prematurely and have an adverse effect

on the vehicle's road holding - risk of accident!

Driving with worn or damaged tires reduces the braking and road holding performance of the vehicle. Regularly check the condition of the tires (tread and sidewalls) and rims as well as the presence of the valve caps.

When the wear indicators no longer appear set back from the tread, the depth of the grooves is less than 1.6 mm; replace the tires as soon as possible.

Using different size wheels and tires from those specified can affect the lifetime of tires, wheel rotation, ground clearance, the speedometer reading and have an adverse effect on road holding.

Fitting different tires on the front and rear axles can cause the ESC to mistime.

Always mark the direction of rotation on the tires that will be stored when fitting winter or summer tires. Store them in a cool, dry place and away from direct exposure to the sun's rays.



Winter or 4-seasons tires can be identified by this symbol on their sidewalls.

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## Tire Safety Information

Drive over edges slowly and at right angles if possible. Driving over sharp edges can cause tire and wheel damage. Do not trap tires on the kerb when parking.

Regularly check the wheels for damage. Seek the assistance of a workshop in the event of damage or unusual wear.

## Tire Markings / Designations

E.g. **215/60 R17 96H**

- 215:** tire width, mm
- 60:** cross-section ratio (tire height to tire width), %
- R:** belt type: Radial
- RF:** type: RunFlat
- 15:** wheel diameter, inches
- 91:** load index e.g. 95 is equivalent to 615 kg
- T:** speed code letter

Speed code letter:

- Q:** up to 160 km/h
- S:** up to 180 km/h
- T:** up to 190 km/h
- H:** up to 210 km/h
- V:** up to 240 km/h
- W:** up to 270 km/h

Choose a tire appropriate for the maximum speed of the vehicle.

The maximum speed is achievable at kerb weight with driver (75 kg) plus 125 kg payload. Optional equipment could reduce the maximum speed of the vehicle.

### Directional tires

Directional tires should be mounted so that they rotate in the correct direction. The proper rotation direction is indicated by a symbol (e.g. an arrow) on the sidewall.

### Winter Tires

Winter tires improve driving safety at temperatures below 7 °C and should therefore be fitted on all wheels. In accordance with country-specific regulations, affix the speed sticker in the

driver's field of view, if the tire speed code is below the maximum speed of the vehicle.

All tire sizes are permitted as winter tires ⇨ 201

## Tire Pressure

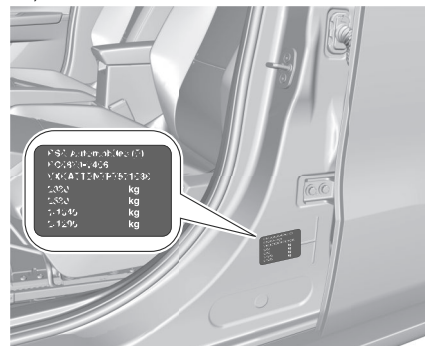
Check the pressure of cold tires at least every 14 days and before any long journey.

Do not forget the spare wheel.

⇨ 201

This also applies to vehicles with tire deflation detection system.

⇨ 189



The tire pressure information label on the left or right door frame indicates the original equipment tires and the correspondent tire pressures.

The tire pressure data refers to cold tires. It applies to summer and winter tires.

Always inflate the spare tire to the pressure specified for full load. Incorrect tire pressures will impair safety, vehicle handling, comfort and fuel economy and will increase tire wear.

Tire pressures differ depending on various options. For the correct tire pressure value, follow the procedure below:

1. Identify the respective tire.
2. Identify the engine identifier code.

⇒ 199

The tire pressure tables show all possible tire combinations.

⇒ 201

For the tires approved for your vehicle, refer to the Certificate of Conformity provided with your vehicle or other national registration documents.

The driver is responsible for correct adjustment of tire pressure.

**⚠ WARNING**

If the pressure is too low, this can result in considerable tire warmup

and internal damage, leading to tread separation and even to tire blow-out at high speeds.

**⚠ WARNING**

For specific tires the recommended tire pressure may exceed the maximum tire pressure as indicated on the tire. Never exceed the maximum tire pressure as indicated on the tire.

**Temperature dependency**


The tire pressure depends on the temperature of the tire. During driving, tire temperature and pressure increase. Tire pressure values provided on the tire information label and tire pressure chart are valid for cold tires, which means at 20 °C.

The pressure increases by nearly 10 kPa for a 10 °C temperature increase. This must be considered when warm tires are checked.

**Tire Pressure Monitoring System**

The tire deflation detection system continually checks the rotation speed of

all four wheels and warns on low tire pressure condition once vehicle is driving. This is achieved by comparing tire rolling circumference with reference values and further signals.

If a tire loses pressure the control indicator  illuminates and a warning message is displayed on the cluster. Control indicator ⇒ 189

In this case reduce speed, avoid sharp cornering and strong braking. Stop at next safe opportunity and check tire pressure.

After adjusting tire pressure initialize the system to extinguish the control indicator and restart the system. If the failure continues to be displayed, contact a workshop. The system is inoperable when the ABS or Electronic Stability Control has a malfunction or a temporary spare wheel is used. Once the tire has been refitted, check the tire pressure with cold tires and initialize the system.

**⚠ CAUTION**

Deflation detection system warns just about low tire pressure condition

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and does not replace regular tire maintenance by the driver.

### System initialization

After tire pressure correction or wheel change, the system must be initialized to learn new circumference reference values:

1. Always ensure that all four tires have correct tire pressure ➡ 201
2. Apply parking brake.
3. Initialize the system via the Information Display ➡ 81
4. Reset is confirmed by a message.

After initialization the system automatically calibrates to new tire pressures during driving. After a longer drive the system will adopt and monitor new pressures.

Always check tire pressure with cold tires.

The system has to be reinitialized when:

- Tire pressure has been changed.
- Load condition has been changed.
- Wheels have been swapped or exchanged.

The system will not warn instantaneously on a tire blow out or a rapid deflation. This is due to required calculation time.

### Tread Depth

Check tread depth at regular intervals. For safety reasons, it is recommended that the tread depth of the tires on one axle should not vary by more than 2 mm.



The legally permissible minimum tread depth (1.6 mm) has been reached when the tread has worn down as far as one of the tread wear indicators (TWI). Their position is indicated by markings on the sidewall. If there is more wear at the front than the rear, swap round front wheels

and rear wheels periodically. If directional tires are mounted, ensure that the direction of rotation of the wheels remains the same.

Tires age, even if they are not used. We recommend tire replacement every 6 years.

### Wheel Covers

Wheel covers and tires that are factory approved for the respective vehicle and comply with all of the relevant wheel and tire combination requirements must be used.

If the wheel covers and tires used are not factory approved, the tires must not have a rim protection ridge.

Wheel covers must not impair brake cooling.

#### **⚠ WARNING**

Use of unsuitable tires or wheel covers could lead to sudden pressure loss and thereby accidents.

Vehicles with steel wheel rims: When using locking wheel nuts, do not attach wheel covers.

Temporary spare wheel: Do not use wheel covers

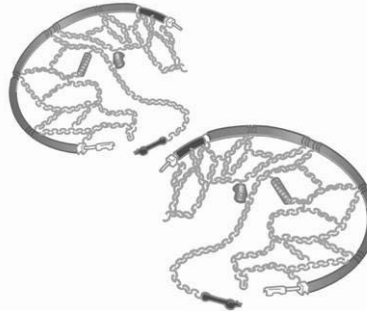
## Allowed Tire And Rim Sizes

If tires of a different size than those fitted at the factory are used, it may be necessary to reprogramme systems and make other vehicle modifications. Have the label with tire pressures replaced.

### ⚠ WARNING

The use of unsuitable tires or wheels may lead to accidents and will invalidate the vehicle operating permit.

## Tire Chains



Tire chains are only permitted on the front wheels.

Only use tire chains designed to be used with tire type of the vehicle:

- For 16 inch and 17 inch tires, only use fine mesh tire chains that add no more than 9 mm to the tire tread and the inboard sides (including chain lock).
- For 18 inch tires, only use Polaire PSGB 60 tire chains.

### i NOTE

The use of tire chains and the maximum allowed speed is

regulated by country-specific legislation.

### ⚠ WARNING

Damage may lead to tire blowout.

When fitting the tire chains follow the instructions provided by the manufacturer of the tire chains.

After having fitted the tire chains, stop the vehicle after having driven a short distance and make sure that the tire chains are correctly tightened.

### Temporary spare wheel

The use of tire chains is not permitted on the temporary spare wheel.

## Vehicle Storage

### Long-Time Storage Of A Hybrid / Electric Vehicle

If the vehicle is to be stored for several months:

1. Wash the vehicle.
2. Have the wax in the engine compartment and underbody checked.
3. Clean and preserve the rubber seals.

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4. ICE/Hybrid 48 V: Fill up fuel tank completely
5. ICE/Hybrid 48 V: Change the engine oil
6. Drain the washer fluid reservoir.
7. Check the coolant antifreeze and corrosion protection.
8. Adjust tire pressure to the value specified for full load.
9. Park the vehicle in a dry, well ventilated place. Engage first or engage **P**. Prevent the vehicle from rolling.
10. Do not apply the parking brake.
11. Switch off ignition and all electrical consumers.
12. Wait four minutes
13. Open the hood, close all doors and lock the vehicle.

#### Storage PHEV/BEV more than four weeks

1. Charge the high voltage battery up to a charging level between 30 % and 50 % before long-time storage (more than four weeks).
2. Do not connect the charging cable.
3. Always store the vehicle in a place with temperatures between -10 °C and 30 °C.
4. Vehicle storage at extreme temperatures may cause damage to the high voltage battery.
5. Remove the black negative (-) cable from the 12 V vehicle battery and attach a trickle charger to the vehicle battery terminals or keep the 12 V vehicle battery cables connected and trickle charge from the positive (+) and negative (-) terminals in the engine compartment.
6. Every three months, check the high voltage battery's state of charge. If the state of charge is below 30 percent, recharge the high voltage battery to 30 percent.

#### Storage BEV up to twelve months

1. Discharge the high voltage battery until 30 percent remain on the battery range indicator (battery symbol) on the cluster.
2. Do not plug in the charging cable.
3. Always store the vehicle in a place with temperatures between -10 °C and 30 °C.
4. Vehicle storage at extreme temperatures may cause damage to the high voltage battery.

#### Putting back into operation

When the vehicle is to be put back into operation:

1. Recharge the high voltage battery up to a charging level of 100 % before starting the vehicle.
2. Connect the clamp to the negative terminal of the 12 V battery.
3. Initialize the power windows ⇨ 16
4. Check tire pressure.
5. Fill up the washer fluid reservoir.
6. ICE / Hybrid 48 V: Check the engine oil level.ybrid 48 V.
7. Check the engine oil level.
8. Fit the number plate if necessary.

For further information see propulsion types ➔ 6.

## Bodywork-Exterior Care

### General Recommendations

Observe the following recommendations to avoid damaging the vehicle.

#### Locks

The locks are lubricated at the factory using a high quality lock cylinder grease. Use a de-icing agent only when absolutely necessary, as this has a degreasing effect and impairs lock function. After using a de-icing agent, have the locks regreased by a workshop.

#### Washing

The paintwork is exposed to environmental influences.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint damage.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. The windscreen wiper and

rear window wiper must be switched off. Remove antenna and external accessories such as roof racks etc. If the vehicle is washed by hand, make sure that the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the hood as well as the areas they cover.

Clean bright metal mouldings with a cleaning solution approved for aluminium to avoid damages.

#### CAUTION

Always use a cleaning agent with a pH value of 4 to 9.  
Do not use cleaning agents on hot surfaces.

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and leather-off the vehicle. Rinse leather frequently. Use separate leathers for painted and glass surfaces: remnants of wax on the windows will impair vision.

Have the door hinges of all doors greased by a workshop.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

#### Exterior Lights

Headlight and other light covers are made of plastic. Do not use any abrasive or caustic agents, do not use an ice scraper, and do not clean them dry.

#### Polishing And Waxing

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it. Plastic body parts must not be treated with wax or polishing agents.

#### Windows And Windshield Wiper Blades

Switch off wipers before handling in their areas.

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

When cleaning the rear window from inside, always wipe in parallel to the heating element to prevent damage. For mechanical removal of ice, use a sharp-edged ice scraper. Press the scraper firmly against the glass so that

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no dirt can get under it and scratch the glass.

Clean smearing wiper blades with a soft cloth and window cleaner. Also make sure to remove any residues such as wax, insect residues and similar from the window.

Ice residues, pollution and continuous wiping on dry windows will damage or even destroy the wiper blades.

### Wheels And Tires

Do not use high-pressure jet cleaners. Clean rims with a pH-neutral wheel cleaner.

Rims are painted and can be treated with the same agents as the body.

### Paintwork Damage

Rectify minor paintwork damage with a touch-up pen before rust forms. Have more extensive damage or rust areas repaired by a workshop.

### Underbody

Some areas of the vehicle underbody have a PVC undercoating while other critical areas have a durable protective wax coating.

After the underbody is washed, check the underbody and have it waxed if necessary.

Bitumen / rubber materials could damage the PVC coating. Have underbody work carried out by a workshop.

Before and after winter, wash the underbody and have the protective wax coating checked.

### Towing Equipment

Do not clean the coupling ball bar with a steam-jet or high-pressure jet cleaner.

### High Gloss Paint

#### WARNING

Do not use abrasive products or solvents, petrol or oil to clean the bodywork.

Never use an abrasive sponge to clean stubborn stains. Risk of scratching the paintwork!  
Do not apply polish.

#### NOTE

Use a soft cloth and soapy water or a pH neutral product. Gently wipe the bodywork with a clean microfiber cloth. Apply polish with the vehicle clean and dry. Comply with the instructions for use stated on the product.

### Decals

(Depending on version)

#### WARNING

Do not use a high-pressure washer to clean the vehicle - risk of damaging or detaching the decals!

#### NOTE

Use a high-flow hose (temperature between 25°C and 40°C). Place the jet of water perpendicular to the surface to be cleaned. Rinse the vehicle with demineralised water.

## Interior Care

### General Recommendations

Observe the following recommendations to avoid damaging the vehicle..

### Seat Belts Maintenance

Do not bleach, dye or clean the belts with chemical solvents or abrasive cleaners. This will weaken the fabric. Sun damage can also weaken the fabric.

If the belts need cleaning, use a mild soap solution or lukewarm water. Do not remove the belts from the vehicle to wash them. Dry with a soft cloth. Replace the belts if they appear frayed or worn or if the buckles do not work properly.

### Plastic And Coated Parts

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use highpressure jet cleaners.

### Instrument Cluster And Displays

The lenses in front of the instruments in this vehicle are molded in clear plastic. When cleaning the lenses, care must be taken to avoid scratching the plastic. Clean with a wet soft cloth. A mild soap solution may be used, but do not use high alcohol content or abrasive cleaners. If soap is used, wipe clean with a clean damp cloth. Dry with a soft cloth.

#### NOTE

Never use alcohol, petrols and derivatives to clean the dashboard and instrument panel lens.

### Interior And Upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

Clean the leather upholstery with clear water and a soft cloth. In case of heavy soiling, use leather care.

The instrument cluster and the displays should only be cleaned using a soft

damp cloth. If necessary use a weak soap solution.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clothing fabrics may not be colour-fast. This could cause visible discolourations, especially on lightcoloured upholstery. Removable stains and discolourations should be cleaned as soon as possible.

Clean seat belts with lukewarm water or interior cleaner.

#### CAUTION

Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery. The same applies to clothing with sharp-edged objects, like zips or belts or studded jeans.

### Glass Surfaces

All glass surfaces should be cleaned on a regular basis with any commercial household-type glass cleaner.

Do not use scrapers or other sharp instruments that may scratch the elements.

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When cleaning the rear-view mirror, spray cleaner on the towel or cloth that you are using. Do not spray cleaner directly on the mirror.

**i NOTE**

Never use an abrasive type cleaner. Use caution when cleaning the inside rear window equipped with electric defrosters or windows equipped with radio antennas.

## Fabric Parts

Only clean the vehicle interior, including the instrument panel fascia and paneling, with a dry cloth or interior cleaner.

Clean the leather upholstery with clear water and a soft cloth. In case of heavy soiling, use leather care.

Use a specific product to clean carpets and fabric upholstery.

Clean fabric upholstery with a vacuum cleaner and brush.

Clothing fabrics may not be colorfast. This could cause visible discolorations, especially on light colored upholstery. Removable stains and discolorations should be cleaned as soon as possible.

It is advisable to use a moist brush on velvet upholstery. Rub the seats using a soft microfiber cloth moistened with a solution of water and neutral detergent. Clean seat belts with lukewarm water or interior cleaner.

## Floor Mats

**⚠ WARNING**

If a floor mat has the wrong size or is not properly installed, it can interfere with pedals, what can cause unintended acceleration or increased stopping distance which can cause a crash and injury.

Use the following guidelines for proper floor mat usage.

- The original equipment floor mats were designed for this vehicle. If the floor mats need to be replaced, it is recommended to buy certified floor mats which fit properly and are fixed by the retainers on the driver side. Always check that the floor mats do not interfere with the pedals.
- Use the floor mat with the correct side up. Do not turn it over.

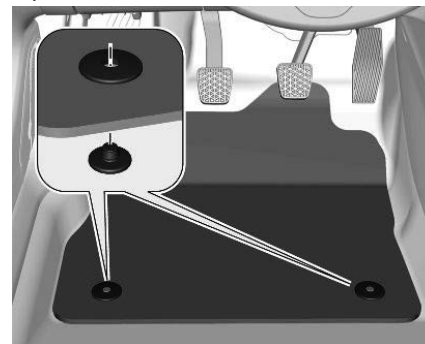
- Do not place anything on top of the driver's side floor mat.
- Use only a single floor mat on the driver's side.

### Installing and removing the floor mats

The driver's side floor mat is held in place by two retainers.

To install the floor mat:

1. Move the seat backwards as far as possible.



2. Align slots in the mat with the retainers, as shown.
3. Push the mat to the floor.

To remove the floor mat:

1. Move the seat backwards as far as possible.

2. Pull the floor mat upwards to remove.

** WARNING**

To avoid any risk of jamming the pedals:

- Only use mats which are suited to the fixings already present in the vehicle; these fixings must be used.
- Never fit one mat on top of another.

The use of mats not approved by the Manufacturer may interfere with access to the pedals and hinder the operation of the cruise control/speed limiter.

The approved mats have two fasteners located underneath the seat.

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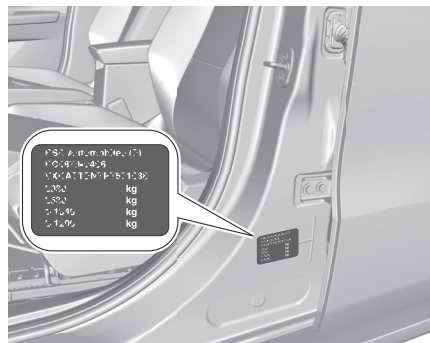
## TECHNICAL SPECIFICATIONS

### Vehicle Identification

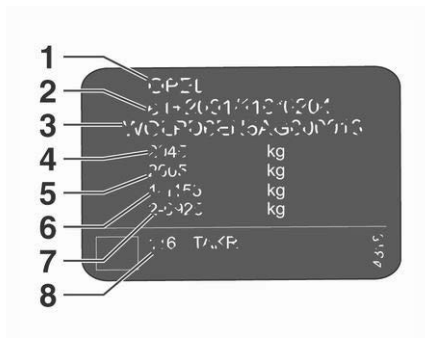
#### Vehicle Identification Number

The vehicle identification number may be embossed on the instrument panel, visible through the windscreen, or in the engine compartment on the right body panel.

#### Identification Plate



The identification plate is located on the front left or right door frame. The layout and position differ for some export countries.



Information on identification label:

- 1 manufacturer
- 2 type approval number
- 3 vehicle identification number
- 4 permissible gross vehicle weight rating in kg
- 5 permissible gross train weight in kg
- 6 maximum permissible front axle load in kg
- 7 maximum permissible rear axle load in kg

- 8 manufacturer address, vehiclespecific or country-specific data

The combined total of front and rear axle loads must not exceed the permissible gross vehicle weight.

Vehicle's kerb weight depends on the specification of the vehicle, e.g. optional equipment and accessories. Refer to the Certificate of Conformity provided with your vehicle or other national registration documents.

The technical data is determined in accordance with European Community standards. We reserve the right to make modifications. Specifications in the vehicle documents always have priority over those given in this manual.

### Engine Identification

The technical data tables use the engine identifier code. The engine data table additionally shows the engineering code.

Engine data ➡ 199

To identify the respective engine, refer to the EEC Certificate of Conformity

provided with this vehicle or other national registration documents. The Certificate of Conformity shows the engine identifier code, other national

publications may show the engineering code. Check piston displacement and engine power to identify the respective engine.

## Vehicle Data

Engine identifier code	EB2LTED	EB2LTEDH2	EB2LTDH2	ELECTRIC VEHICLE
	ICE	Hybrid 48 V	Hybrid 48 V	BEV
Piston displacement [cm <sup>3</sup> ]	1199	1199	1199	-
Engine power [kW]	74	74	100	83
at rpm	5500	5500	5500	-
Torque [Nm]	205	205	230	124.5
at rpm	1750	1750	1750	-
Fuel type	Petrol	Petrol	Petrol	-
Octane rating RON <sup>1)2)</sup>				
recommended	95	95	95	-
possible	98	98	98	-
possible	91	91	91	-
Additional fuel type	-	-	-	-

1) A country-specific label at the fuel filler flap can supersede the engine-specific requirement.

2) In certain countries, the use of a particular fuel, e.g. a specific octane rating, may be required to ensure proper engine operation.

## Dimensions

Size	BEV	ICE/MHEV (5 seater)	ICE/MHEV (7 seater)
Length [mm]	4380-4389	4380-4389	4380-4389
Width with two exterior mirrors folded [mm]	1840-1849	1840-1849	1840-1849
Width with two exterior mirrors [mm]	2017-2020	2017-2020	2017-2020
Height (with antenna, with roof rail) [mm]	1652-1654	1638-1641	1644-1647
Length of load compartment floor [mm]	860	860	855 <sup>1</sup> 91 <sup>2</sup>
Length of load compartment with folded second row [mm]	1591	1591	1616
Load compartment width between wheel arches [mm]	963	963	988
Wheelbase [mm]	2671	2672	2672
Turning circle diameter [m]	11.32	11.35	11.35

1) with third row folded

2) with third row unfolded

## Tire Pressures

Tires	Vehicle up to 3 people		With full load		Spare wheel
	Front [kPa/bar] ([psi])	Rear [kPa/bar] ([psi])	Front [kPa/bar] ([psi])	Rear [kPa/bar] ([psi])	
215/65 R16	250/2.5 (36)	230/2.3 (33) <sup>1</sup> 240/2.4 (35) <sup>2</sup> 250/2.5 (36) <sup>3</sup>	250/2.5 (36)	270/2.7 (39)	270/2.7 (39)
215/60 R17 96H NL	250/2.5 (36)	230/2.3 (33) <sup>1</sup> 240/2.4 (35) <sup>2</sup> 250/2.5 (36) <sup>3</sup>	250/2.5 (36)	270/2.7 (39)	270/2.7 (39)
215 60 R17 100V XL	250/2.5 (36)	230/2.3 (33) <sup>1</sup> 240/2.4 (35) <sup>2</sup> 250/2.5 (36) <sup>3</sup>	250/2.5 (36)	270/2.7(39)	270/2.7 (39)

1. Only for ICEs and Hybrid 48 V vehicles with 5 seats.
2. Only for vehicles with 7 seats.
3. Only for BEVs.

## Capacities

### Engine oil

Engine	EB2LTDEH2 / EB2LTDH2	EB2LTED
including filter [l]	3.6	— <sup>1</sup>
between MIN and MAX [l]	1.1	— <sup>1</sup>

1) Not available at time of printing

### Fuel tank

Petrol, refilling quantity [l]	44
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### High voltage battery

Battery capacity (BEV) [kWh]	44 / 54
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## Wheels And Tires

Depending on the wheel rim material, two different bolts are available.

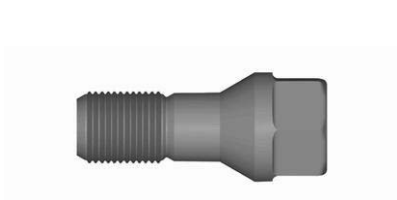
### Tightening Torques

#### WARNING

Ensure to use always the correct wheel bolts if changing the wheels. When installing the spare wheel for temporary usage, the bolts for alloy wheel rims can also be used.



Tightening torque for alloy wheel rims is 115 Nm.



Tightening torque for steel wheel rims is 125 Nm.

Use the correct wheel bolts for the respective wheel rims.

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## CUSTOMER INFORMATION

### Declaration Of Conformity

#### TRANSMISSION SYSTEMS

This vehicle has systems that transmit and / or receive radio waves subject to Directive 2014/53/EU and The Radio Equipment Regulations 2017 by the United Kingdom.

The manufacturers of the systems listed below declare conformity with Directive 2014/53/EU and The Radio Equipment Regulations 2017.

The full text of the EU declaration of conformity is available at the following internet address:

[https://public-service-box.opel.com/OVddb/OV/en\\_GB/index.html](https://public-service-box.opel.com/OVddb/OV/en_GB/index.html)

#### RADIO RECEIVER SPS:

Manufacturer:

**Faurecia Clarion Electronics Europe**  
**40 avenue des Terroirs de France,**  
**75012, Paris, France**

#### Bluetooth

**Operating Frequencies** Max power  
**2402 MHz to 2480 MHz** 1.75 dBm

#### INFOTAINMENT SYSTEM CRONY:

Manufacturer:

**Faurecia Clarion Electronics Europe**  
**40 avenue des Terroirs de France,**  
**75012, Paris, France**

#### Bluetooth

**Operating Frequencies** Max power  
**2402 MHz to 2480 MHz** 4.76 dBm

#### WIFI:

**Operating Frequencies:** Max power  
**5745 MHz to 5825 MHz** 12.46 dBm

#### IMMOBILIZER:

Manufacturer:

**Aptiv Services Deutschland GmbH**  
**Am Technologiepark 1 D-42119**  
**Wuppertal Germany**

<b>Operating Frequencies</b>	Max power
<b>125 kHz</b>	-18.97dBμA/m @10m

#### TELEMATIC BOX

Manufacturer:

**MARELLI EUROPE S.p.A Viale A.**  
**Borletti 61/63, Corbetta, Italy**

<b>Operating Frequencies</b>	Max power
<b>GSM 900</b>	33 dBm
<b>GSM 1800</b>	30 dBm
<b>WCDMA Band I</b>	24 dBm
<b>WCDMA Band VIII</b>	24 dBm
<b>LTE FDD Band 1</b>	23 dBm
<b>LTE FDD Band 3</b>	23 dBm

<b>LTE FDD Band 7</b>	23 dBm
<b>LTE FDD Band 8</b>	23 dBm
<b>LTE FDD Band 20</b>	23 dBm
<b>LTE FDD Band 28</b>	23 dBm
<b>LTE FDD Band 38</b>	23 dBm
<b>LTE FDD Band 40</b>	23 dBm

## RADIO ANTENNA

Manufacturer:

**Hirschmann Car Communication**  
**SaS 84 – 88 bd de la mission**  
**Marchand 92400 Courbevoie France**

<b>Operating Frequencies</b>	Max power
<b>76 – 108 MHz, 174–240 MHz , 150 – 281 kHz de 520 – 1620 kHz</b>	NA*

\* Not available at the time of printing

## ICASA type approval numbers

List of all Independent Communications Authority of South Africa (ICASA) type approval numbers:

TA-2016/121, TA-2016/3261,  
 TA-2017/2387, TA-2017/2745,  
 TA-2013/430, TA-2017/1106,  
 TA-2016/929, TA-2017/3180

## REACH

Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) is a European Union regulation adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals. Visit [www.opel.com/reach](http://www.opel.com/reach) for further information and for access to the Article 33 communication.

## Software Update

The Infotainment system can download and install selected software updates over a wireless connection.

### NOTE

The availability of these over-the-air vehicle software updates varies by vehicle and country. Find more information on our website.

## Remote device management and remote software and firmware updates

As an integral part of the service related to the performance of subscribed connected service contracts, necessary device management and

necessary software and firmware updates related to the software and firmware for the named connected service will be performed remotely, in particular by using over-the-air technology.

For this, a secure radio network connection between the vehicle and the device management server will be established when ignition is switched on and a mobile network is available.

Depending on the equipment of the vehicle, connection configuration must be set to **Connected vehicle** to allow the establishment of the radio network connection.

Irrespective of a valid connected service subscription, remote product security or product safety related device management and software and firmware updates will be performed when the processing is necessary for the compliance with a legal obligation to which the manufacturer is subject (e.g. applicable product liability law, emergency call regulation) or when the processing is necessary in order to protect the vital interests of the respective vehicle users and passengers.

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The establishment of a secure radio network connection and the related remote updates are not affected by privacy settings and will be performed in principal after an initiation by the vehicle user following a respective notification.

The system is able to notify receipt of an update as soon as it is connected to an exterior Wi-Fi network or a mobile network. Large updates are downloaded only via the Wi-Fi network.

The availability of an update is notified on the Info Display at the end of a trip with an option of immediate installation or postponement of installation.

The installation time is variable and can take several minutes with a maximum of about 30 minutes. A notification will give an estimate of the duration and a description of the update.

Updates can be checked manually via the Info Display. Follow the onscreen prompts in the respective menu.

**i NOTE**

Steps for downloading and installing updates may vary by vehicle.

For safety reasons and because it requires sustained attention by the driver, the installation must be carried out with the ignition on without starting the engine. The installation cannot be carried out in the following cases:

- engine running
- emergency call in progress
- insufficient vehicle battery charge
- charging the vehicle's high voltage battery

**i NOTE**

During the installation process, the vehicle may not be operational.

If the update has failed, seek the assistance of a workshop.

## Registered Trademarks

### Apple Inc.

Apple CarPlay™ is a trademark of Apple Inc.

App Store® and iTunes Store® are registered trademarks of Apple Inc.

iPhone®, iPod®, iPod touch®, iPod nano®, iPad® and Siri® are registered trademarks of Apple Inc.

### Bluetooth SIG, Inc.

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

### Google Inc.

Android™ and Google Play™ Store are trademarks of Google Inc.

### Velcro Companies

Velcro® is a registered trademark of Velcro Companies.

## Vehicle Data Recording And Privacy

### Emergency Call Data Recording And Privacy

#### Data processing

All processing of personal information by the emergency call function complies with the framework for protection of personal information established by regulation 2016/679 (GDPR) and directive 2002/58/EC of the European Parliament and the Council, and in particular, seeks to protect the vital interests of the data subject, in accordance with article 6.1, paragraph d) of regulation 2016/679.

The processing of personal information is strictly limited to the requirements of the emergency call function used with the European emergency call number. The emergency call function is only able to collect and process the following data relating to the vehicle: chassis number, type (passenger vehicle or light commercial vehicle), fuel type or power source, three most recent locations and direction of travel, number of passengers and a time-stamped log file recording technical data related to the system's operation. The recipients of the processed data are the emergency call handling centres designated by the relevant national authorities in the territory in which they are located, enabling priority routing and handling of calls to the emergency number.

### Data storage

Data contained in the system's memory is not accessible from outside the system until a call is made. The system is not traceable and is not continuously monitored in its normal operation mode. The data in the system's internal memory is automatically and continuously erased. Only the vehicle's three most recent locations, necessary for

the normal functioning of the system, are stored. When an emergency call is triggered, the data log is stored for no more than 13 hours.

### Access to data

You have the right to access the data and, if necessary, submit a request to rectify, erase or restrict the processing of any personal information not processed in accordance with the provisions of Regulation 2016/679 (GDPR). Third parties to which data has been communicated shall be notified of any rectification, erasure or restriction carried out in accordance with the aforementioned directive, unless doing so would be impossible or require a disproportionate effort. You also have the right to lodge a complaint with the relevant data protection authority.

If you want to claim your abovementioned rights please contact us per email at [privacyrights@mpsa.com](mailto:privacyrights@mpsa.com). For more information regarding our contact details please take a look at our Privacy & Cookies Policy on our website.

## Event Data Recorders

Electronic control units are installed in your vehicle. Control units process data which is received by vehicle sensors, for example, or which they generate themselves or exchange amongst themselves. Some control units are necessary for the safe functioning of your vehicle, others assist you while you drive (driver assistance systems), while others provide comfort or infotainment functions.

The following contains general information about data processing in the vehicle. You will find additional information as to which specific data is uploaded, stored and passed on to third parties and for what purpose in your vehicle under the key word Data Protection closely linked to the references for the affected functional characteristics in the relevant owner's manual or in the general terms of sale. These are also available online.

### Operating data in the vehicle

Control units process data for operation of the vehicle.

This data includes, for example:

- vehicle status information (e.g. speed, movement delay, lateral accelera-

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tion, wheel rotation rate, "seat belts fastened" display)

- ambient conditions (e.g. temperature, rain sensor, distance sensor)

As a rule such data is transient and is not stored for longer than an operational cycle, and only processed on board the vehicle itself. Often control units include data storage (including the vehicle key). This is used to allow information to be documented temporarily or permanently on vehicle condition, component stress, maintenance requirements and technical events and errors.

Depending on technical equipment levels, the data stored is as follows:

- system component operating states (e.g. fill level, tire pressure, battery status)
- faults and defects in important system components (e.g. lights, brakes)
- system reactions in special driving situations (e.g. triggering of an airbag, actuation of the stability control systems)
- information on events damaging the vehicle

- for electric vehicles the amount of charge in the high-voltage battery, estimated range

In special cases (e.g. if the vehicle has detected a malfunction), it may be necessary to save data that would otherwise just be volatile.

When you use services (e.g. repairs, maintenance), the operating data saved can be read together with the vehicle identification number and used where necessary. Staff working for the service network (e.g. garages, manufacturers) or third parties (e.g. breakdown services) can read the data from the vehicle. The same applies to warranty work and quality assurance measures.

Data is generally read via the OBD (On-Board Diagnostics) port prescribed by law in the vehicle. The operating data read documents the technical condition of the vehicle or individual components and assists with fault diagnosis, compliance with warranty obligations and quality improvement. This data, in particular information on component stress, technical events, operator errors and other faults, is transmitted to the manufacturer where appropriate, together with the vehicle identification number. The manufactur-

er is also subject to product liability. The manufacturer potentially also uses operating data from vehicles for product recalls. This data can also be used to check customer warranty and guarantee claims.

Fault memories in the vehicle can be reset by a service company when carrying out servicing or repairs or at your request.

### **Comfort and infotainment functions**

Comfort settings and custom settings can be stored in the vehicle and changed or reset at any time.

Depending on the equipment level in question, these include

- seat and steering wheel position settings
- chassis and air conditioning settings
- custom settings such as interior lighting

You can input your own data in the infotainment functions for your vehicle as part of the selected features.

Depending on the equipment level in question, these include

- multimedia data such as music, videos or photos for playback in an integrated multimedia system

- address book data for use with an integrated hands-free system or an integrated navigation system
- input destinations
- data on the use of online services

This data for comfort and infotainment functions can be stored locally in the vehicle or be kept on a device that you have connected to the vehicle (e.g. a smartphone, USB stick or MP3 player). Data that you have input yourself can be deleted at any time.

This data can only be transmitted out of the vehicle at your request, particularly when using online services in accordance with the settings selected by you.

### **Smartphone integration, e.g. Android Auto or Apple CarPlay**

If your vehicle is equipped accordingly, you can connect your smartphone or another mobile device to the vehicle so that you can control it via the controls integrated in the vehicle. The smartphone image and sound can be output via the multimedia system in this case. At the same time, specific information is transmitted to your smartphone.

Depending on the type of integration, this includes data such as position data, day / night mode and other

general vehicle information. For more information, please see the operating instructions for the vehicle / infotainment system.

Integration allows selected smartphone apps to be used, such as navigation or music playback. No further integration is possible between smartphone and vehicle, in particular active access to vehicle data. The nature of further data processing is determined by the provider of the app used. Whether you can define settings, and if so which ones, is dependent on the app in question and your smartphone's operating system.

### **Online services**

If your vehicle has a radio network connection, this allows data to be exchanged between your vehicle and other systems. The radio network connection is made possible by means of a transmitter device in your vehicle or a mobile device provided by you (e.g. a smartphone). Online functions can be used via this radio network connection. These include online services and applications / apps provided to you by the manufacturer or other providers.

### **Proprietary services**

In the case of the manufacturer's online services, the relevant functions are described by the manufacturer in an appropriate location (e.g. Owner's Manual, the manufacturer's website) and the associated data protection information is provided. Personal data may be used to provide online services. Data exchange for this purpose takes place via a protected connection, e.g. using the manufacturer's IT systems provided for the purpose. Collection, processing and use of personal data for the purposes of preparation of services take place solely on the basis of legal permission, e.g. in the case of a legally prescribed emergency communication system or a contractual agreement, or by virtue of consent. You can activate or deactivate the services and functions (which are subject to charges to some extent) and, in some cases, the vehicle's entire radio network connection. This does not include statutory functions and services such as an emergency communication system.

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### **Onboard fuel consumption meter (OBFCM)**

This function will be provided for the entire life cycle of the vehicle.

In accordance to Article 9 of Implementing Regulation (EU) 2021/392 ("OBFCM"), this regulatory service allows the European Environment Agency (EEA) to collect vehicle data related to usage (such as VIN, total distance travelled, total fuel consumed, total grid energy into battery when applicable).

These data are used by EEA to monitor in real usage the fuel and energy consumption and the CO2 emission of the new vehicles in an anonymized and aggregated way.

The collection and transmission of vehicle's data for regulatory OBFCM purpose can be refused. This can be done by contacting Customer Care Center (contact details available online).

### **Third party services**

If you make use of online services from other providers (third parties), these services are subject to the liability and data protection and usage conditions of the provider in question.

The manufacturer frequently has no influence over the content exchanged in this regard.

Therefore, please note the nature, scope and purpose of the collection and use of personal data within the scope of third party services provided by the service provider in question.

### **In case of an accident**

This vehicle is fitted with an event data recorder. This system gathers and records certain vehicle data over a short period (a few seconds) before, during and after an event such as an accident or collision. In order to gain a better understanding of the circumstances surrounding the event, the system records how the vehicle's various systems are operating at the time of the event, including:

- any deployment of a restraint system (airbag, seat belt, etc)
- the status of all seat belts (fastened / unfastened)
- the contact or intensity of pressure exerted on the pedal(s) engaged by the driver
- the speed of the vehicle
- the status of some driving and driver assistance systems.

The following are not recorded:

- data on normal driving conditions, in other words data not directly related to the event
- personal data on the driver and any other occupants
- the geographical location of the vehicle at the time of the event.

The reading of data recorded by the event data recorder requires both:

- access to the interior of the vehicle or to the event data recorder
- special equipment that can be purchased from the manufacturer Bosch.

Aside from the vehicle manufacturer, other parties such as law enforcement agencies may access this data in order to analyse the event.

### **Radio Frequency Identification (RFID)**

RFID technology is used in some vehicles for functions such as immobilizer. It is also used in connection with conveniences such as radio remote controls for door locking / unlocking and starting. RFID technology in Opel vehicles does not use or record

personal information or link with any other Opel system containing personal information.

### Protecting Measures Against Cyber Attacks

Depending to the model, your vehicle may be equipped with a system that detects cyber attack attempts or unexpected events for cybersecurity point of view . This system, when fitted inside the vehicle, is working for the entire life cycle of the vehicle.

When cybersecurity events are detected (e.g. unexpected established connections with unknown systems, unexpected reboots, and any abnormal system configurations), log files are generated, temporarily stored inside your vehicle and then sent to the Manufacturer's in fra structures by "Over-The-Air" connectivity. Those log files are analyzed by the Manufacturer's Security Operational Center (SOC) to define appropriate measures protecting vehicles from malicious interactions with electronic components. Such measures could be the deployment of software and firmware updates.

The purpose of this system is thus to enhance cybersecurity measures settled inside vehicles. It also directly participates to the securitization of your vehicle's connectivity and allows the correct performance of online services activated on your vehicle . Ways to exercise your Privacy rights to this processing are described within the European Connected Vehicles Privacy Policy of Stellantis (see below).

### Applying Legal Obligations And Respective Requirements

This list can change according to European regulations. Please consult online this document to be sure to have the up-to-date list of applying regulations in EU. Depending of the date of the Type Approval of the vehicle, some regulations cannot apply. Generally, these legal obligations can disclose data independently of the in-vehicle privacy settings.

### eCall - Emergency Call

This function will be provided for the entire life cycle of the VEHICLE. This function, where operational, is provided through the Public Emergency

service of each country where you are driving. It doesn't matter where you bought your vehicle or where it is registered.

In the event of a significant impact or a serious accident recorded by the DEVICE on the VEHICLE, with consequent shutdown of the VEHICLE itself, a phone-call is automatically forwarded from the VEHICLE to the respective Public Emergency number (call to '112' inside Europe), together with the transmission of the minimum data needed for identification and location of the VEHICLE (i.e. your exact location, the time of the accident, your vehicle's identification number and direction of travel). This information is only transmitted from your vehicle in the event of a serious accident ; it allows the Public Emergency Services to assess and manage your situation. The Public Emergency Services will act according to local legislation and its own operating procedures. Inside Europe, the 112- based eCall service is a public service of general interest and should therefore be accessible free of charge to all consumers. According to Regulation (EU) 2015/758, this system is mandatory for

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all new types of vehicle approved for manufacture after 31 March 2018. The eCall system is only activated if your vehicle is involved in a serious accident. The rest of the time the system remains inactive. This means that when you are simply driving your vehicle, no permanent tracking (registering your car's position or monitoring your driving) or transmission of data takes place on behalf of this regulatory service.

### **OBFCM - On-Board Fuel Consumption Meter**

This SERVICE is provided for 15 years after the vehicle is firstly put into circulation.

In accordance to Article 9 of Implementing Regulation (EU) 2021/392 ("OBFCM"), this regulatory service allows the European Environment Agency (EEA) to collect vehicle data related to usage (such as VIN, total distance travelled, total fuel consumed, total grid energy into battery when applicable).

These data are used by EEA to monitor in real usage the fuel and energy consumption and the CO2 emission of the new vehicles, in an anonymized and aggregated way.

As mentioned in OBFCM regulation, the CUSTOMER can refuse the collection and transmission of vehicle's data for regulatory OBFCM purpose. This can be done by contacting Customer Care Center (contact information available on the brand website available for your country).

### **SLI - Speed Limit Information**

This function will be provided for the entire life cycle of the VEHICLE, only for vehicles sold inside the Europe Market.

Pursuant to the Regulation (EU) 2018/858 on the approval and market surveillance of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles dated 30 May 2018, as amended by the Regulation (EU) 2019/2144 dated 27 November 2019 and the Commission Delegated Regulation (EU) 2021/1958 dated 23 June 2021 (together the "GSR V2 Regulations"), car manufacturers are required to equip new vehicles sold in Europe with various systems aiming at guaranteeing the overall safety of such vehicles.

As per Article 6 of the Regulation (EU) 2019/2144, such systems must

include an "intelligent speed assistance" system (hereinafter "ISA") that provides the applicable speed limit to the driver for at least 90% of the total distance and for at least 80% of the distance driven on each of the three road types (urban roads and streets, non-urban roads, and motorways/ expressways/dual carriageways). SLI function provides the driver with the applicable speed limit on the road where driver travels. SLI function aims to improve the safety by allowing the vehicle to display in real time applicable speed limit, even when external conditions don't permit it (e.g. weather, sign hidden by another vehicle). The applicable speed limit is retrieved from the front camera of the vehicle and maybe completed through Over-The-Air communication system to improve the reliability of information according to the vehicle definition. To get valid speed limit information, the vehicle's current position is sent via the telematics unit and is immediately deleted after processing. Tracking of the vehicle position is not possible at any time. This is not impacted by the privacy settings of the vehicle.

As required by the "GSR V2 Regulations", this SLI feature is activated by

default at key on, but can be partially deactivated at every time by the user of the vehicle, given that the driver may cut the audible warning function from the vehicle's settings available from the central touch screen.

This will not impact the visual warning function that will stay active and may still require Over- The-Air data transmission of current vehicle's position for accurate speed limit detection.

Depending on the model of your vehicle, it may be possible to also fully cut the SLI function (i.e. to stop speed limit detection and speed limit warning function) from the central touch screen, and thus cut the data transmission for the current trip.

### **Mileage Disclosure To Car-Pass Association**

#### **(Only for vehicles registered in Belgium)**

This disclosure is active in Belgium only, as an answer to a Belgium law in order to prevent vehicle mileage fraud (Belgium law of 28th november 2018, applicable from 01/01/2020). It is provided lifetime, as long as Car-Pass association requests the data.

It consists in providing 4 times a year the mileage of any vehicle registered in Belgium to Car-Pass, an association delegated by belgian authorities to collect and control this data.

This mileage is collected over-the-air by Stellantis if another connected service already uses it. This data is transmitted to Car-Pass association, upon request of this organism.

For more information, please refer to the Car-Pass privacy policy (<https://www.car-pass.be/en/privacy-policy>).

### **Data Use - Product Quality Improvement**

You acknowledge and agree that to improve the quality of the products produced by STELLANTIS AUTO SAS as a car maker, your Vehicle Data (as defined in the Stellantis Privacy Policy for connected services, see below)

– excluding the geolocation of the vehicle – are transferred to the car maker for the purpose of anomalies avoidance, aggregated data analysis for product improvement or creation of new products.

Further information on this, and ways to exercise your Privacy rights to this processing, are described in the Stel-

lantis Privacy Policy for connected services (see below).

### **European Connected Vehicles Privacy Policy Of Stellantis**

The Privacy Policy for Connected Vehicles ("Privacy Policy") applies to the Personal Data we process about users of the connected services through our Vehicle, our Websites or Application who have signed the General Conditions as a Customer or who are authorized by a Customer to access and use the connected services.

This Privacy Policy is drafted pursuant Article 13 of the EU Regulation 679/2016 and will help you understand better how we handle your information. In this document, you will find some examples of how we process Personal Data, and Definitions referring to more detailed explanations (at the end this Privacy Policy). If you would like any clarifications regarding this Privacy Policy or how your data are processed, please send your request to: [dataprotectionofficer@stellantis.com](mailto:dataprotectionofficer@stellantis.com) This document is available on brand websites, in the section dedicated to connected services.

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## CUSTOMER INFORMATION

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It is also available at  
the following link: <https://connected-vehicles-privacy.stellantis.com/>

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