OPEL MOKKA

Owner's Manual

OPEL

Contents

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.
Additionally, video tutorials for some vehicle functions can be viewed on the Info Display.
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-servicebox.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.
- 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 Specification".
- 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.

Vehicle Specific Data

Please refer to the sections "Service and maintenance", "Technical data", the vehicle's identification plate and national registration documents.

Symbols Key

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 Type

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 Internal Combustion Engine and an electric engine. The electric engine supports the Internal Combustion Engine but can also propell 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.

⚠ Warning
Never remove the key from ignition switch during driving as this will cause steering wheel lock.

Radio Remote Control Function

unlocks the vehicle

locks the vehicle

long press unlocks and opens the tailgate

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

- Central Locking System ⇨ page 8
- Anti-Theft Locking System ⇨ page 11
- Anti-Theft Alarm System ⇨ page 12
- Tailgate Unlocking ⇨ page 47
- Power Windows ⇨ page 13
- Mirrors Folding ⇨ page 16
- Vehicle Locator Lighting ⇨ page 45

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 ⇨ page 47

Electronic Key System

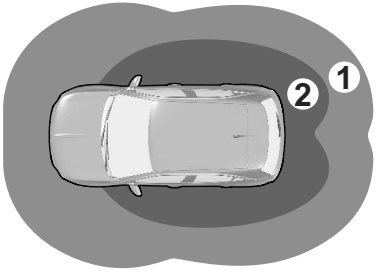
⚠ Warning
The electronic key can affect a pacemaker. Keep the electronic key away from the breast.

Enables a keyless operation of the following functions:

- Central Locking System ⇨ page 8
- Power Tailgate ⇨ page 47
- Ignition Switching On And Starting The Engine ⇨ page 81

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

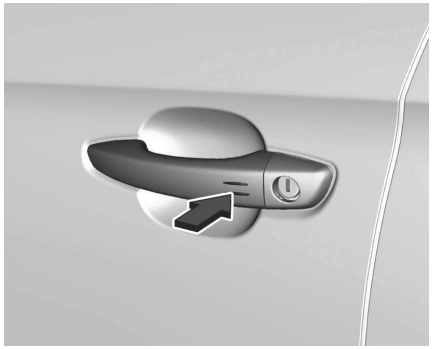
For reasons of security, the electronic key may be equipped with a motion sensor. If so, starting the vehicle is not possible when the electronic key has not been moved for a certain time.
When trying to start the vehicle, a corresponding message appears in the cluster. Move the electronic key and try to start the vehicle again.
Additionally, the electronic key includes the functionality of the radio remote control ⇨ page 6
Handle with care, protect from moisture and high temperatures and avoid unnecessary operation.



- Zone 1: automatic locking on leaving the vehicle
- Zone 2: automatic unlocking on approaching the vehicle

Note
If the electronic key remains for more than 15 minutes in zone 1, automatic unlocking is deactivated. Unlock the vehicle by pressing or on the remote control or touch the sensor of the driver's door handle to unlock the vehicle. Automatic locking and unlocking is activated again.
Central locking system ⇨ page 8.
Note
A short time after automatic unlocking, the vehicle is relocked if no door has been opened.
Automatic locking ⇨ page 8.
Note
If the ignition is switched off for more than nine days or the vehicle battery has no sufficient charging, the automatic function is disabled. Press or on the remote control or touch the sensor of the driver's door handle to unlock the vehicle.
In the event that the ignition is switched off for more than 21 days, the only way to unlock the vehicle is by pressing or on the remote control.

Driver's Door Handle



Touch the sensor of the drivers's door handle to unlock or to lock.

Unlocking And Opening The Tailgate

The tailgate can be unlocked and opened hands-free by pushing the button under the tailgate moulding when the electronic key is in range.
The doors remain locked ⇨ page 47

Automatic Locking After Driving Off

This system allows automatic locking of the doors and tailgate as soon as the speed of the vehicle exceeds a certain speed.
If one of the doors or the tailgate is open, the automatic central locking does not take place. This is signalled by the sound

of the locks rebounding, accompanied by illumination of on the cluster, an audible signal and the display of an alert message.

This function can be activated or deactivated at any time. With the ignition on, press until an audible signal starts and a corresponding message is displayed.
The state of the system stays in memory when switching off the ignition.

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 opens the respective door.
When the driver's door only function is activated in the vehicle personalisation settings, only the driver's door unlocks when its interior handle is pulled. When the function is deactivated all doors will be unlocked.
Regardless of the vehicle personalisation setting, all doors will be unlocked when the interior handle of any other door than the driver's door is pulled.
Vehicle Customization ⇨ page 75.

Note

In the event of an accident in which airbags or belt pretensioners are deployed, the vehicle is automatically unlocked.
If the vehicle is not closed properly, the central locking system will not work.
Operation of the central locking system is confirmed by the hazard warning flashers.

Unlocking / Locking

Unlocking / locking mode can be set in the vehicle personalisation menu in the Info Display. Following settings are selectable:

- Only the driver's door and fuel filler flap will be unlocked / locked.
- All doors, load compartment and fuel filler flap will be unlocked / locked.
- Only the load compartment will be unlocked / locked.

Vehicle personalisation ⇨ page 75.
Load compartment ⇨ page 48.

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.

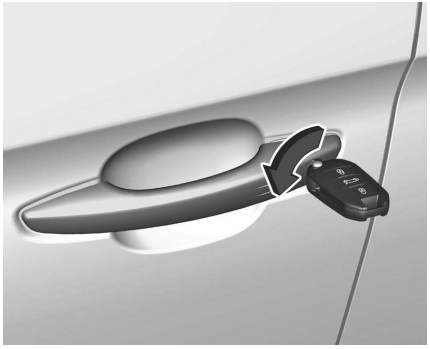
Press again to unlock. The LED in the button extinguishes.

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.

Manual Unlocking

Electronic key with keyless entry and start: push the latch to extract the integral key.



Manually unlock the left front door by inserting and turning the key in the lock cylinder.
The other doors can be opened by pulling the interior handle. The load compartment and fuel filler flap will possibly not be unlocked.

By switching on the ignition, the antitheft locking system is deactivated.

Key With Foldaway Section

Press button to extend. To fold the key, first press the button.

Electronic Key With Keyless Entry And Start

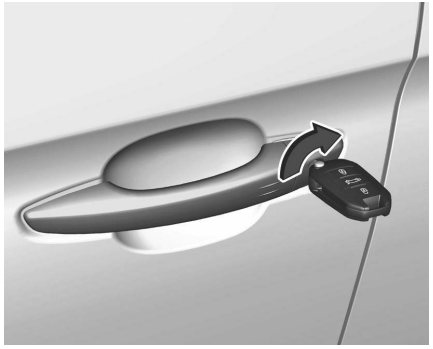
Using the built-in key.

- To eject the key or put it back in place, pull and hold the button.

⚠ Warning

Once the built-in key is ejected, always keep it with you to be able to carry out the corresponding back-up procedures.

Manual Locking



Manually lock the front door by inserting and turning the key in the lock cylinder.

To lock the other doors, open the rear doors. Ensure that child lock is deactivated.

Insert key carefully and turn it to the inner side of the doors.
Then, remove key.
Close the doors.
The fuel filler flap and tailgate are possibly not locked.

Child Locks

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

Turn the red child lock in the rear door inwards 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.

Electric child locks

Remotely operated system to prevent opening of the rear doors via the interior door handles and the use of the rear power windows.
Child safety system for rear windows ⇨ page 14

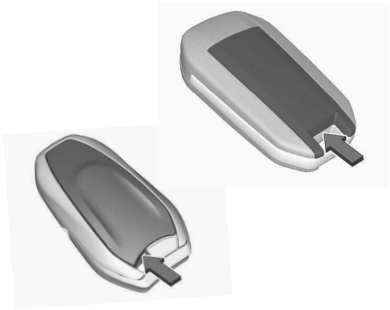
Replacement Keys

The key number is specified on a detachable tag.
The key number must be quoted when ordering replacement keys as it is a component of the immobilizer system.
Locks ⇨ page 6
Central Locking ⇨ page 8
Starting Procedure ⇨ page 81
Remote Control function ⇨ page 6
Electronic Key System ⇨ page 6
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 ⇨ page 142

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 from the remote control.
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 or the electronic key, the cause may be one of the following:

- Fault in radio remote control or the electronic key.
- Electronic key is out of reception range.
- The battery voltage is too low.
- 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.
- Interference from electronic devices such as smartphones or laptops.

Manual unlocking ⇨ page 9.

Vehicle Security System

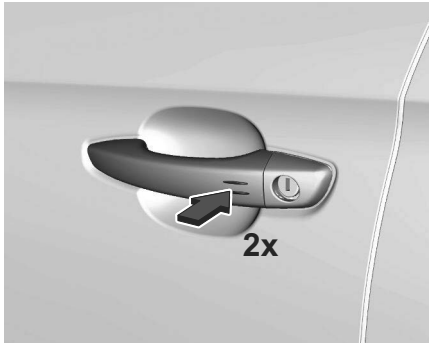
Anti-Theft Locking System

⚠ 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 or touch the sensor of the driver's door handle twice within three seconds.



Anti-Theft Alarm System

The anti-theft alarm system is combined with the central 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 electronic key must not remain in the vehicle.
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 antitheft alarm system.
To activate the anti-theft alarm system, lock the vehicle by using the radio remote control or by touching the sensor on the driver's door handle.
Central locking system ⇨ page 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 or movements triggering the alarm.
Also, switch off when the vehicle is on a ferry or train.

1. Close tailgate, hood, windows.
2. Switch off ignition and press OFF within ten seconds until the LED in the button OFF illuminates.
3. Leave the vehicle and close the doors.

4. Activate the anti-theft alarm system.

Indication

LED in the OFF button flashes if the anti-theft alarm system is activated.
The hazard warning lights illuminates for a few seconds.

Deactivation

Unlocking the vehicle deactivates the anti-theft alarm system.
The system is not deactivated by unlocking the front 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 can be deactivated by pressing or switching on the ignition.
A triggered alarm, which has not been interrupted by the driver, will be indicated by the LED in the button OFF. The LED will flash quickly the next time the vehicle is unlocked.
If the vehicle battery has been reconnected (e.g. after maintenance work), wait for ten minutes to restart the engine.

Fault

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

Locking The Vehicle Without Activation Of The Anti-Theft Alarm

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

Immobilizer

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

Note

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

Note

The immobiliser does not lock the doors. Always lock the vehicle after leaving it ⇨ page 8
Emergency operation of electronic key ⇨ page 8

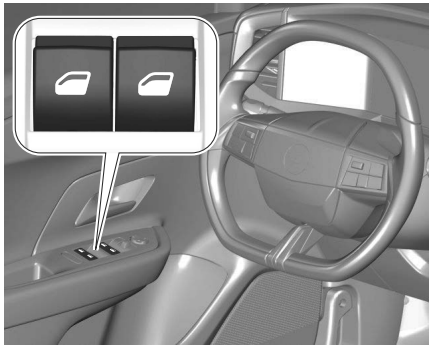
Windows

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 ignition to operate power windows.

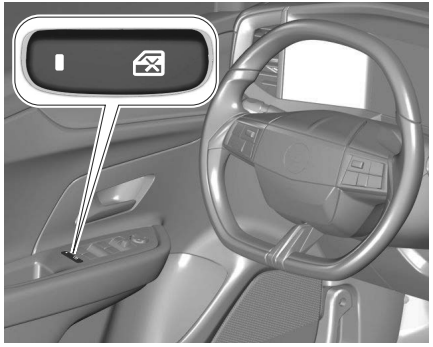


Operate the switch for the respective window by pushing to open or pulling to close.
Pushing or pulling gently to the first detent: window moves up or down as long as the switch is operated.
Pushing or pulling firmly to the second detent then releasing: window moves up or down automatically with safety function enabled. To stop movement, operate the switch once more in the same direction.

Safety Function

If the window glass encounters resistance above the middle of the window during automatic closing, it is immediately stopped and opened again.

Child Safety System For Rear Windows

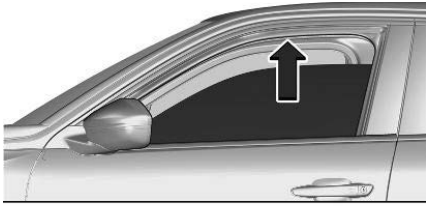


Press to deactivate rear door power windows; the LED illuminates.

To activate, press again.
Depending on version, additionally operation of electric child locks ⇨ page 10

Closing Windows From Outside

The windows can be closed remotely from outside the vehicle.



Press and hold to close windows.
If the windows are fully closed, the hazard warning lights will flash twice.

Overload

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

Initialising The Power Windows

Activate the window electronics as follows:

1 Close doors

2 Switch on ignition.

3 Open the window completely by pushing and holding the switch down.

4 Pull the switch upwards repeatedly until the window is closed completely and keep pulling for an additional one second. Note that the window closes only a few centimetres after each pull of the switch.

5 Repeat for each window.

Note
During this maneuver the safety function is deactivated.

Fault

In some circumstances, the safety function may be activated without visible obstacle. The automatic closing of the window is stopped and it will open again.

Proceed as follows:

1 Within five seconds after reopening, push the switch down until the window is completely opened.

2 Within two seconds, pull and hold the switch upwards until the window is closed completely

Note
During this maneuver the safety function is deactivated.

Windscreen 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.

Safety function

If the window glass encounters resistance of the window during automatic closing, it is immediately stopped and opened again.

Windscreen Stickers

Do not attach stickers such as toll road stickers or similar on the windscreen in the area of the interior mirror. Otherwise the detection zone of the sensor and the view area of the camera in the mirror housing could be restricted.

Heated Windshield

Operated by pressing . LED in button illuminates.
The heating works only with freezing outside temperatures and switches off automatically after a certain time depending on the outside temperature. Touch, once more during the same ignition cycle to allow the heating to operate again.

Heated Rear Window

Operated by pressing REAR together with heated exterior mirrors.
Heating is switched off automatically after a short time.

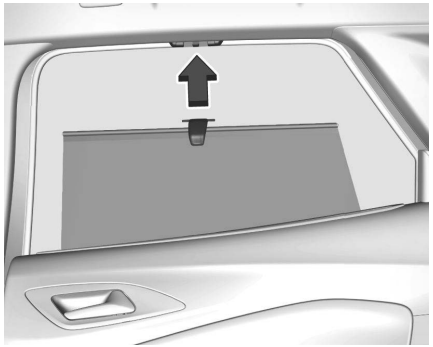
Depending on climate control system, REAR is located at a different position.

Heated mirrors ⇨ page 17

Sun Visor

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.

Blinds

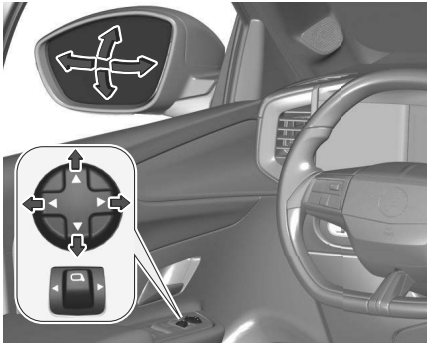


To reduce sunlight at the rear seats, pull the blind upwards usign the grip and engage it at the top of the door frame.

Mirrors

Power Outside Mirrors

Electric Adjustment

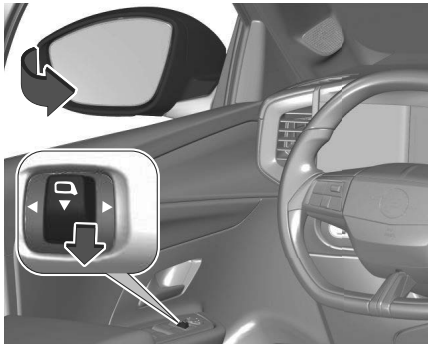


Select the relevant exterior mirror by pushing to the left or right.
Then swivel the control to adjust the mirror.

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 to the centre position.
Pull rearwards. Both exterior mirrors are folded.
Pull rearwards again. Both exterior mirrors return to their original position.
If an electrically folded mirror is manually unfolded, pulling 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.
This function can be activated or deactivated in the Information Display.
Vehicle personalisation ⇨ page 75

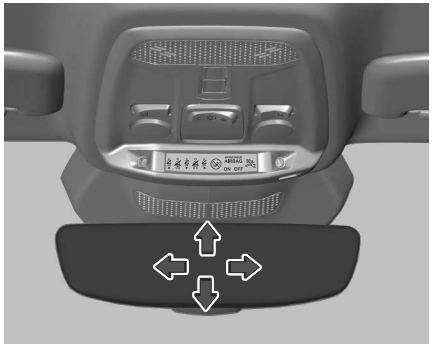
Heated Mirrors

Operated by pressing REAR.
The heating switches off automatically after a certain time depending on the outside temperature.
Heated rear window ⇨ page 15

Convex Mirrors

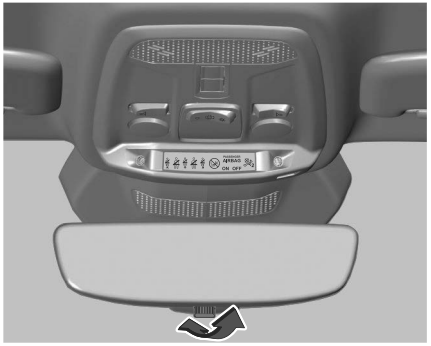
The shape of the mirror makes objects appear smaller, which will affect the ability to estimate distances.
Side blind spot alert ⇨ page 115

Inside Rearview Mirror



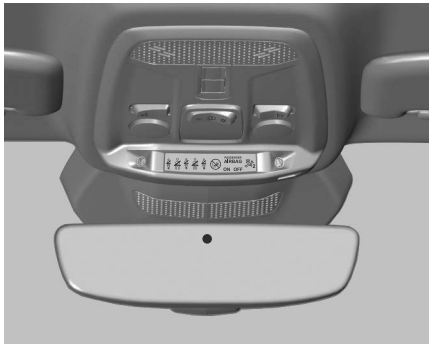
To adjust the mirror, move the mirror housing in the desired direction.

Manual Anti-Dazzle



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

Automatic Anti-Dazzle

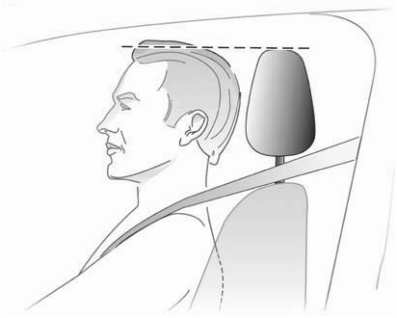


Dazzle from following vehicles is automatically reduced, when driving in the dark.

Head Restraints

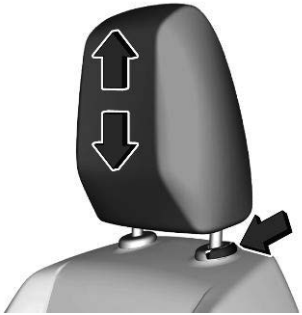
Head Restraints Position

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



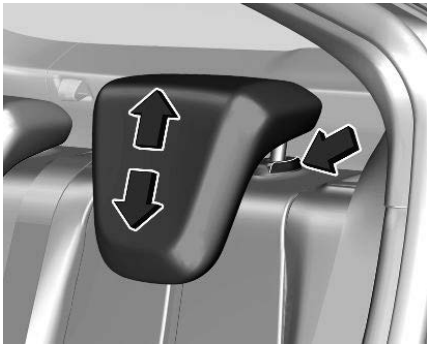
The upper edge of the head restraint should be at upper head level. If this is not possible for extremely tall people, set to highest position, and set to lowest position for small people.

Front Head Restraints



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

Rear Head Restraints



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

Removing

Press catch, pull the respective head restraint upwards and remove.

Installing

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

- Press the lug A to release the head restraint and push it down.
- Adjust the height of the head restraint.

⚠ Warning

Only drive with the head restraint set to the proper position

Seats

Front Seats Position

⚠ Danger

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

⚠ Warning

Drive only with engaged seats and backrests.

⚠ Warning

Only drive with the seat correctly adjusted.

⚠ 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 pressing the pedals. Slide the front passenger seat as far back as possible.
- Set seat height high enough to have a clear field of vision on all sides and of all display instruments. 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 seat and 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 ⇨ page 35
- Adjust the head restraint ⇨ page 18
- Adjust the height of the seat belt
- 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 Front Seats

Manual Adjustment

Drive only with engaged seats and backrests.

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.

Backrest inclination

Turn handwheel. Do not lean on backrest when adjusting.

Seat height

Lever pumping motion

up	seat higher
down	seat lower

Power Front Seats

⚠ Warning

Care must be taken when operating the power seats. There is a risk of injury, particularly for children. Objects could become trapped.
Keep a close watch on the seats when adjusting them. Vehicle passengers should be informed accordingly.

Caution

Never store objects beneath a power seat. Ensure that there are no objects blocking the moving area. Risk of damage to the controls.

Electric Adjustments

Press or .

: more lumbar support

: less lumbar support

Heated Seats

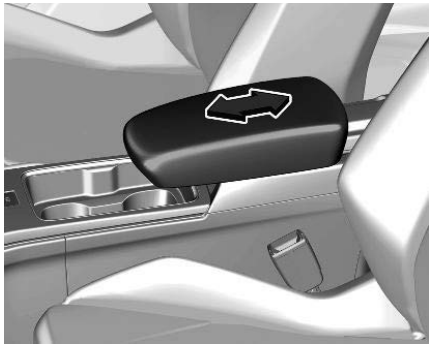
Adjust heating to the desired setting by pressing for the respective seat one or more times. The control indicator in the button indicates the setting.
The heating works only when the outside temperature is below 20 °C.
Prolonged use of the highest setting for people with sensitive skin is not recommended.
Stop-start system ⇨ page 82

Massage Seats

Activate the back massage function by pressing . The LED in the button illuminates to indicate activation.
The massage function is activated for a period of one hour. During this time, massage is performed in six cycles with breaks in between.

Pressing once more deactivates massage function. The LED goes off.
Stop-start system ⇨ page 82

Front Armrest



The armrest can be adjusted.
Storage compartment ⇨ page 45

Rear Seats Positions

Drive only with engaged seats and backrests.

⚠ Warning

Never adjust seats while driving as they could move uncontrollably.

Folding Backrests

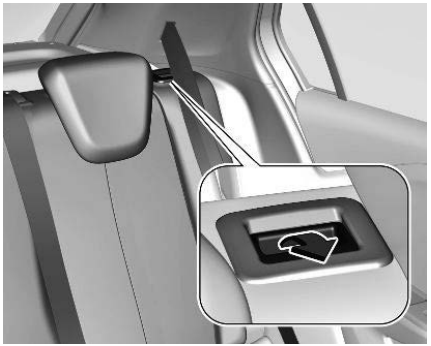
The rear seat backrest is divided into 2/3 to 1/3 parts. Both parts can be folded down individually to increase the size of the load compartment.

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

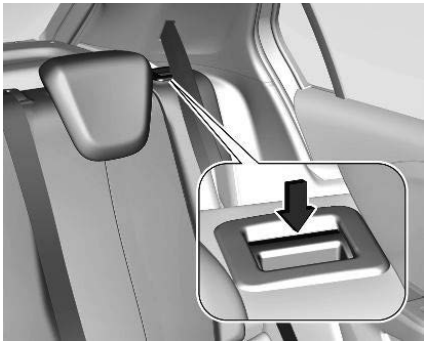
- Move front seats forward if necessary.
- Remove the load compartment cover ⇨ page 47
- Press and hold the catch to push the head restraints down ⇨ page 18

Folding down/up rear backrests

- Check that the seat belts are not engaged in the seat belt buckles, so that the backrests can be moved.



- Pull the release lever on one or both outer sides and fold down the backrests onto the seat cushion.
- To fold up, raise the backrests and guide them into an upright position until they engage audibly. Make sure that the belts are positioned correctly and stay clear of the folding area.



The backrests are properly engaged when the red marks near the release levers are no longer visible.

⚠ 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.

The seat belt of the centre seat could be blocked when the backrest is folded up too quickly. To unlock the retractor, push in the seat belt or pull it out by approx. 20 mm then release.

Seat Belts

Front 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 ⇨ page 30.

Periodically check all parts of the belt system for damage, soiling and proper functionality.
Have damaged components replaced.
After an accident, have the seat belts and triggered belt pretensioners replaced by a workshop.

Note
Make sure that the belts are not damaged by shoes or sharp-edged objects or trapped. Prevent dirt from getting into the belt retractors.

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

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 belt during a collision.

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.

⚠ Warning

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

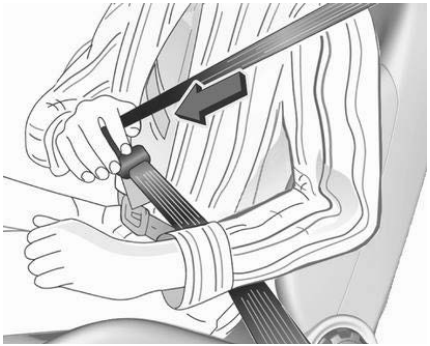
Deployment of the belt pretensioners is indicated by continuous illumination of control indicator .
Airbag and belt pretensioners ⇨ page 58.
Triggered belt pretensioners must be replaced by a workshop. Belt pretensioners can only be triggered once.

Note

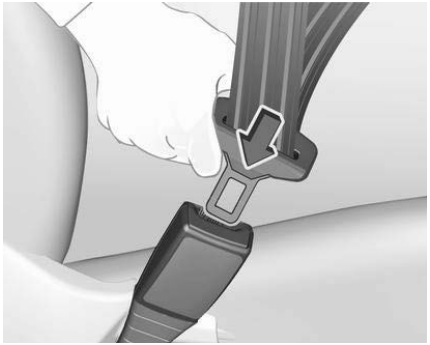
Do not affix or install accessories or other objects that may interfere with the operation of the belt pretensioners.
Do not make any modifications to belt pretensioner components as this will invalidate the operating permit of your vehicle.

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 ⇨ page 60.

Unfasten

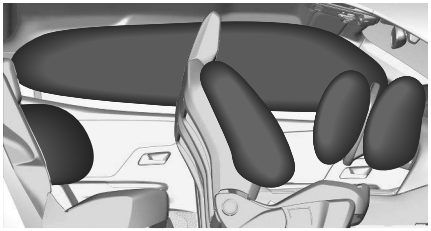
To release seat belt, press red button on seat belt buckle and guide the seat belt back.

Using the seat belt while pregnant

⚠ Warning

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

Airbag System Introduction



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.

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.

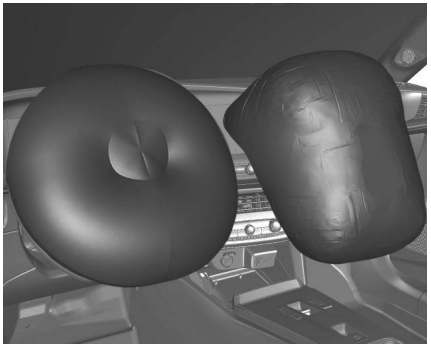
Control indicator for airbag systems ⇨ page 58.

Child restraint systems on front passenger seat with airbag systems

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: Nach hinten gerichtete Kindersitze NIEMALS auf einem Sitz verwenden, der durch einen davor befindlichen AKTIVEN AIRBAG geschützt ist, da dies den TOD oder SCHWERE VERLETZUNGEN DES KINDES zur Folge haben kann.
FR: NE JAMAIS utiliser un siège d'enfant orienté vers l'arrière sur un siège protégé par un COUSSIN GONFLABLE ACTIF placé devant lui, sous peine d'infliger des BLESSURES GRAVES, voire MORTELLES à l'ENFANT.
ES: NUNCA utilice un sistema de retención infantil orientado hacia atrás en un asiento protegido por un AIRBAG FRONTAL ACTIVO. Peligro de MUERTE o LESIONES GRAVES para el NIÑO.
IT: Non usare mai un sistema di sicurezza per bambini rivolto all'indietro su un sedile protetto da AIRBAG ATTIVO di fronte ad esso: pericolo di MORTE o LESIONI GRAVI per il BAMBINO!
Additionally, for safety reasons a forward-facing child restraint system must only be used subject to the instructions and restrictions in the table 3 42.
The airbag label is located on both sides of the front passenger sun visor.
Airbag deactivation ⇨ page 27.

Front Airbags

The front airbag system consists of one airbag in the steering wheel and one in the instrument panel 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. Keep the area in which the airbag inflates clear of obstructions. Fit the seat belt correctly and engage securely. Only then is the airbag able to protect.

Seat position ⇨ page 19.

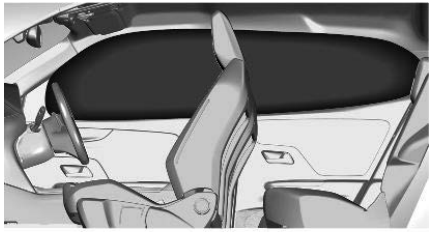
Lateral Airbags

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

Curtain Airbags

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

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

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

⚠ Warning

Deactivate passenger airbag only in combination with the use of a child restraint system, subject to the instructions and restrictions in the Child Restraints in the table on the Owner's Manual.
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.

Child Restraints

Child Restraints Introduction

⚠ Warning

Make sure that children below sufficient size and weight are protected using a suitable child restraint system. Never place a child on the lap.

⚠ Warning

If using a rear-facing child restraint system on the front passenger seat, the airbag system for the front passenger seat must be deactivated. This also applies to certain forward-facing child

restraint systems as indicated in the Child Restraints table.

Child Restraints Tables ⇨ page 32.
Airbag Deactivation ⇨ page 27.
Airbag Label ⇨ page 25.
We recommend a child restraint system which is tailored specifically to the vehicle. For further information, contact your workshop.
In case of any interference of the child restraint system with vehicle seat head restraint, adjust or remove the corresponding head restraint ⇨ page 18.
When a child restraint system is being used, pay attention to the following usage and installation instructions and also those supplied with the child restraint system. The given restrictions in the table refer to a test body, which is the maximum envelope of all existing child restraint systems. Make sure that the front seats do not interfere with the used child restraint system.
Always comply with local or national regulations. In some countries, the use of child restraint systems is forbidden on certain seats.
Only drive with the driver seat correctly adjusted ⇨ page 20.
Child restraint systems can be fastened with:

- Three-point seat belt
- ISOFIX brackets
- Top-tether anchors

Three-Points Seat Belts

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.

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 restraint installation table ⇨ page 28.

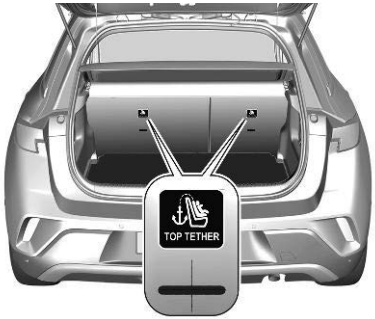
ISOFIX brackets are indicated by a label on the backrest. To get access to the ISOFIX brackets, first pull the zipper.
When fastening ISOFIX child restraint systems on adjustable passenger seats, such as the front passenger seat, first incline the backrest as far as necessary backwards in order to get access to the ISOFIX brackets. After the proper fastening of the ISOFIX child restraint system, incline the backrest forward again.
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 ⇨ page 28.

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 the symbol for a 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 by IUF ⇨ page 32

Selecting The Right System

The rear seats are the most convenient location to fasten a child restraint system. Children should travel facing rearwards in the vehicle as long as possible. This makes sure that the child's backbone, which is still very weak, is under less strain in the event of an accident. Do not use forward facing child restraint system at all seats when child's weight is below 13 kg.
Suitable are child restraint systems that comply with valid UN ECE regulations.

Check local laws and regulations for mandatory use of child restraint systems. The following child restraints are recommended for the following weight classes:

- **Group 0, Group 0+**: Maxi Cosi Cabriofix with or without ISOFIX base for children up to 13 kg
- **Group I**: Duo Plus with ISOFIX and Top-tether for children from 9 kg to 18 kg
- **Group II**: Kidfix XP with or without ISOFIX for children from 15 kg to 36 kg, Kidfix 2R with or without ISOFIX for children from 15 kg to 36 kg, for Kidfix 2R ensure that vehicle seat belt passes through secure guard.
  Graco Booster for children from 15 kg to 36 kg.
- **Group III**: Kidfix XP / Kidfix 2R with or without ISOFIX for children from 22 kg to 36 kg Graco Booster for children from 22 kg to 36 kg

Ensure that the child restraint system to be installed is compatible with the vehicle type.
Child seat at the front: Adjust the front passenger seat to the highest and fully back longitudinal position with the backrest straightened.

Child seat at the rear: Move the vehicle's front seat forward and straighten the backrest so that the legs of the child in the "forward facing" or the "rearward facing" child seat do not touch the vehicle's front seat.
In case of any interference of Child restraint system with vehicle seat head rest, adjust or remove the corresponding vehicle seat Head rest.
Do not use forward facing child restraints system when child's weight is below 13 kg at all seats.
Please follow Child restraint manufacturers instructions to install corresponding child restraints in vehicle.
For semi-universal or vehicle specific child restraint system (ISOFIX or belted child restraint system), see the vehicle list provided in the user manual of the child restraint system.
Ensure that the mounting location of the child restraint system within the vehicle is correct, see following table.
Allow children to enter and exit the vehicle only on the side facing away from the traffic.
When the child restraint system is not in use, secure the seat with a seat belt or remove it from the vehicle.

Note
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.

Child Restraint Installation Locations

Installation of universal, ISOFIX and i-Size child seats

As required by European regulations, this table gives the options for installing child seats secured using the seat belt and universally approved as well as the larger 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 catecory of the child restraint system.

Child restraint system categories	Front passenger seat with activated airbag ON	Front passenger seat with deactivated airbag OFF	Rear outer seats	Rear centre seat [1]
Universal belted child restraint system [2]	Yes [3] [4]	Yes [4] [5]	Yes	NO
i-size child restraint system	Yes [3] [6]	Yes [5] [6]	Yes	-
Position equipped with a Top-tether fixing	Yes [3] [6]	Yes [5] [6]	Yes	-
Carry-cot (ISOFIX lateral facing child restraint system) ISOFIX child restraint fixture: L1, L2	NO	NO	NO	-
ISOFIX rearward facing child restraint system ISOFIX child restraint fixture: R1, R2	NO	Yes [6] [7] [10]	Yes [8] [9] [10]	-
ISOFIX forward facing child restraint system ISOFIX child restraint fixture: F2, F2X, F3	Yes [6] [10]	NO	Yes [10]	-
ISOFIX rearward facing child restraint system ISOFIX child restraint fixture: R3	NO	NO	Yes [8] [9] [10]	-

Child restraint system categories	Front passenger seat with activated airbag ON	Front passenger seat with deactivated airbag OFF	Rear outer seats	Rear centre seat [1]
Booster seat - reduced width: B2	Yes	NO	Yes	NO
Booster seat - full width: B3	Yes	NO	Yes	NO

1) Child restraint system installation is not allowed on rear centre seat.

2) Universal child seat: child seat that can be installed in all vehicles using the seat belt. Applies to all stature and mass groups.

3) Only forward facing child restraint system

4) For a seat with height adjustment, set it to the highest and fully back longitudinal position. For a seat without height adjustment, move the seat fully back, with the backrest straightened.

5) Only rearward facing child restraint system

6) Seats fitted with ISOFIX / i-Size compliant mountings.

7) The vehicle seat must be adjusted in the rearmost longitudinal position.

8) Adjust the driver seat ahead of the child restraint system to the longitudinal middle and maximum height position. If necessary, adjust the driver's seat backrest angle. Ensure that inclination angle of the backrest does not exceed the corresponding torso angle of 15°.

9) Move the passenger seat ahead of the child restraint system forwards as far as necessary.

10) In case of any interference of Child restraint system with vehicle seat head rest, adjust or remove the corresponding vehicle seat head rest.

Size of child restraint fixture (1, 2, 3):

- R1 means rearward facing child restraint fixture for mass group 0 up to 10 kg and mass group 0+ up to 13 kg, age around zero to one year.
- R2 means reduced size of rearward facing child restraint fixture for mass group 0+ up to 13 kg and mass group 1 from 9 to 18 kg, age around two to four years.
- R3 means full size of rearward facing child restraint fixture for mass group 0+ up to 13 kg and mass group 1 from 9 to 18 kg, age around two to four years.
- F2, F2X mean reduced height of forward facing child restraint fixture for mass group 1 from 9 to 18 kg, age around six to seven years.
- F3 means full height of forward facing child restraint fixture for mass group 1 from 9 to 18 kg, age around seven to ten years.

Steering Wheel

Steering Wheel Adjustment

- When stationary, pull the control to release the steering wheel.
- Adjust the height and reach to suit your driving position.
- Push the control to lock the steering wheel.

⚠ Warning

For safety reasons, these adjustments must only be carried out with the vehicle stationary.

Driving information and infotainment are available on a 10-inch and a 16-inch screen.

The instrument panel information is visible above the steering wheel, for greater safety and driving comfort. Adjust the steering wheel height so that it does not obstruct the instrument panel.

Steering Wheel Controls

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

Further information is available in the respective infotainment system section ⇨ page 72.
Advanced driving assistance systems ⇨ page 108
Cruise control ⇨ page 129
Speed limiter ⇨ page 135
Adaptive cruise control ⇨ page 131

Heated Steering Wheel

In cold weather, this function heats the circular part of the steering wheel.
It can be activated when the outside temperature is below 20°C.

Activate heating by pressing  .
Activation is indicated by the LED in the button.

Horn

Pedestrian safety alert

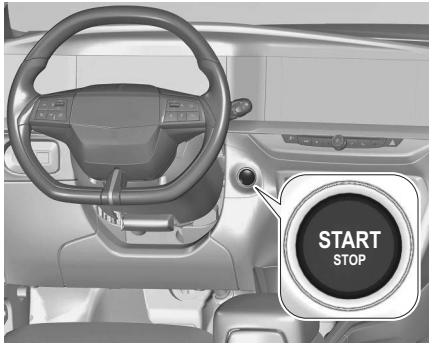
The sound of the pedestrian safety alert is generated to indicate the vehicle presence to pedestrians. It is active up to 30 km/h.

Ignition Switch

⚠ Danger

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

Power Button



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.

Steering Wheel Lock

⚠ 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.

Wipers and Washers

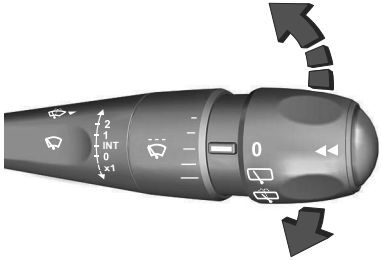
Wiper And Washer Control

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.

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.

Windscreen 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**.

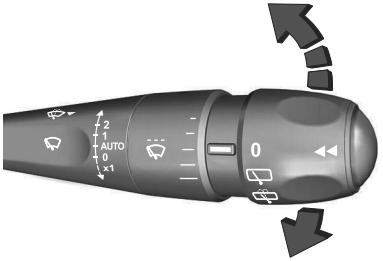
Wiper frequency

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

Adjustable wiper frequency

Wiper lever in position INT.
Turn the adjuster wheel to adjust the desired wipe freqeuency.

Rain Sensing Wiper Control



2	fast
1	slow
AUTO	automatic wiping with rain sensor
0	off
x1	single wipe

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**. AUTO illuminates on the cluster. Do not use if the windscreen is frozen. Switch off in car washes.

Keep the sensor free from dust, dirt and ice.

Control indicator AUTO ⇨ page 64.

Adjustable sensitivity of the rain sensor

Turn the adjuster wheel to adjust the sensitivity.

Windscreen washer

Pull lever. Washer fluid is sprayed onto the windscreen and the wiper wipes a few times.
Washer fluid ⇨ page 162

Rear Window Wiper And Washer

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.

Activation or deactivation of this function can be changed in the Vehicle personalisation menu ⇨ page 75.

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 ⇨ page 162
Vehicle care ⇨ page 153

Exterior Lights

Lighting Controls

⚠ Warning

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

Turn adjuster wheel:

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

Sidelights

low beam / high beam

High Beam

To activate or deactivate the high beam, pull the lever beyond the resistance point.

Automatic High Beam

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 after the ignition is switched on again.
Glare-free high beam for Matrix-LED headlights ⇨ page 42

Activation

The high beam assist can be activated via the vehicle settings menu in the Information Display.

Information Display ⇨ page 70
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.
Control indicator , .
High beam assist switches automatically to low beam when:

- Driving in urban areas.
- Camera detects heavy fog.
- Rear fog light is switched on.
- Oncoming or preceding vehicles are detected by the camera.

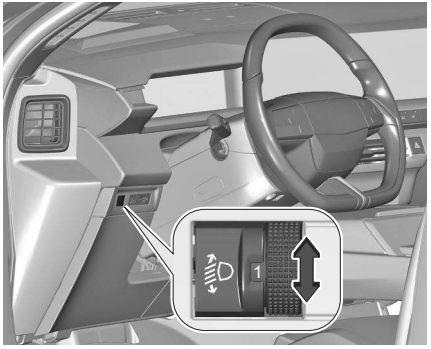
If there are no restrictions detected, the system switches back to high beam.

Deactivation

The system can be deactivated via the vehicle settings menu in the Information Display.
Information Display ⇨ page 70

Headlight Height Adjustment

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



ICE, Hybrid 48 V

0: driver's seat occupied
1: all seats occupied
2: all seats occupied and load compartment laden
3: driver's seat occupied and load compartment laden

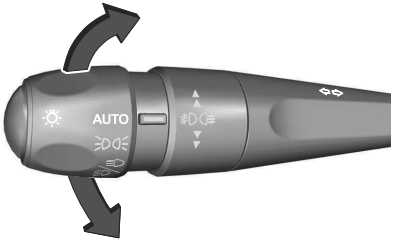
BEV

0: driver's seat occupied
1: all seats occupied with or without load compartment laden
2: driver's seat occupied and load compartment laden
3: 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.

Turn Signals



- Left or right: lower or raise the lighting control stalk, beyond the point of resistance.

Tip
If you keep the direction indicators on for more than 20 seconds, the volume of the audible signal will increase if the speed is above 80 km/h.

Three flashes

- Press briefly upwards or downwards, without going beyond the point of

resistance; the direction indicators will flash 3 times.

Parking lamps
(Depending on version)
Vehicle side marking by lighting the sidelamps on the traffic side only.

- Within one minute after switching off the ignition, operate the lighting control stalk upwards or downwards, depending on the side of the traffic (e.g. when parking on the right, push the lighting control stalk down to light up on the left).

This is confirmed by an audible signal and the lighting of the corresponding direction indicator lamp on the instrument panel.

- To switch off the parking lamps, return the lighting control stalk to the central position.

Automatic Lighting

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.
Daytime running light ⇨ page 42

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.

Tunnel detection

When a tunnel is entered, headlights are switched on immediately.

Rear Fog Light

Turn the adjuster wheel forwards / backwards to switch on / off.
It is operated from the left steering wheel lever by turning the section with the symbol.
Light switch in position **AUTO**: switching on rear fog light will switch headlights on automatically.
Light switch in position : rear fog light can only be switched on with front fog lights.
The vehicle rear fog light is deactivated when a plug is connected to the power outlet of the trailer hitch.

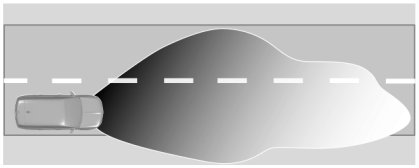
Daytime Running Lights

Daytime running lights increase visibility of the vehicle during daylight.
Automatic light control ⇨ page 41

Matrix-LED Headlights

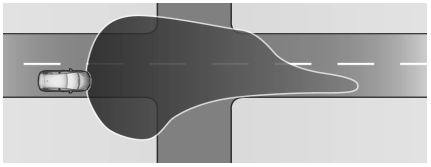
The Matrix-LED headlight system contains a variety of particular LEDs in each headlight which enables the control of the adaptive forward lighting functions. Light distribution and intensity of light are variably triggered depending on the lighting conditions, road type and driving situation. The vehicle adapts the headlights automatically to the situation to enable optimal light performance for the driver.
The adaptive forward lighting and the Matrix-LED headlights functions can be deactivated or activated in the vehicle personalisation menu.
Vehicle personalisation ⇨ page 75.
Info Display ⇨ page 70.
The glare-free high beam function of the Matrix-LED headlights are only available with light switch in position **AUTO.**

Country light



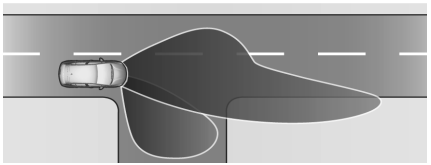
Activated automatically at a speed above 50 km/h when driving in rural areas. The illumination of the current lane and the side of the road is adapted. Oncoming and preceding vehicles are not dazzled.

Town light



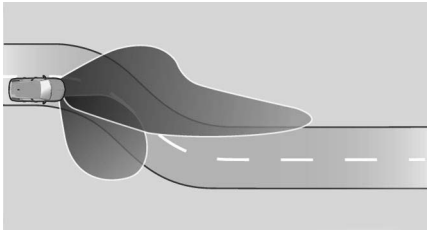
Activated automatically at a speed up to approx. 50 km/h. The light is wide and symmetrical.

Cornering light



Activated at a speed of up to 40 km/h when turning off. The light consists of particular LEDs which illuminate the direction of travel. These LEDs are triggered depending on the steering angle or the activation of the turn lights.

Curve light



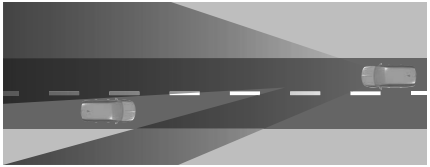
Particular LEDs, based on steering angle and speed, are additionally triggered to improve lighting in curves. This function is activated at speeds from 40 km/h to 70 km/h.

Glare-free high beam

⚠ Warning

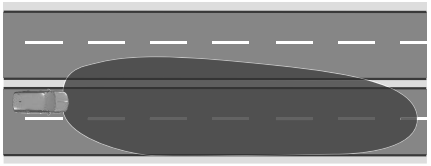
The glare-free high beam function may dazzle other road users when the vehicle is driven in countries where traffic moves on the opposite side of the road. E.g.
when the vehicle was designed for left hand drive traffic and it is driven in a country with right hand drive traffic.
Switch off glare-free high beam function whenever you are driving in countries mentioned above!

The system enables a glare-free high beam when driving in dark surroundings.



Each LED on right or left side is triggered or faded out particularly according to the traffic situation. This gives the best light distribution without dazzling other road users.
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 the system remains active.

Motorway mode



Activated automatically at a speed above 105 km/h. Illumination is adapted to the higher speed driven on motorways. If there is no oncoming traffic, the visibility on the side of the vehicle is increased. When following vehicles ahead or passing, dazzling for these vehicles is reduced.

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 oncoming traffic. A warning is displayed in the Driver Information Centre.
After reconnecting the vehicle battery, the system needs a recalibration by driving a short distance.

Guide Me Home / Welcome Lighting

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

- headlights
- interior lights
- turn lights
- sidelights

The lighting switches off immediately when the ignition is switched on.
The function can be activated or deactivated in the settings app in the Information Display.
The following lights will additionally switch on when the driver's door is opened:

- illumination of some switches
- cluster
- door pocket lights

Interior Lights

The interior ambient lighting casts soft, coloured lighting in the passenger compartment, when low lighting conditions are detected.

By default, the colour of the interior ambient lighting is linked to that of the screens, depending on the driving mode selected.

Front courtesy light

Operate rocker switch:

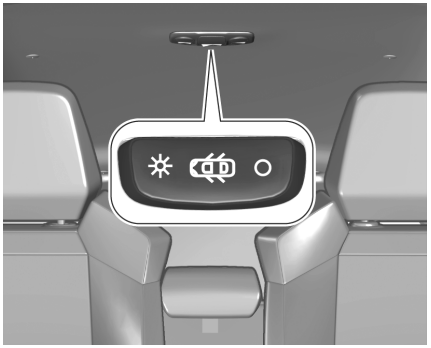
: automatic switching on and off

press : on

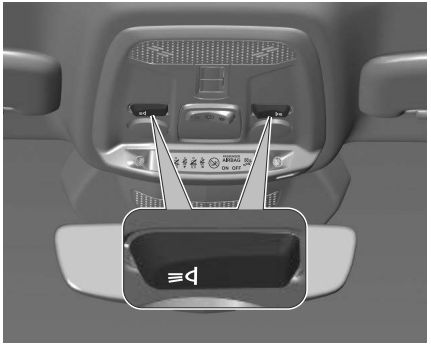
press : off

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

Rear courtesy lights



Reading Lights



Operated by pressing the button .

Lighting Features

Centre Console Lighting

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

Entry Lighting

Welcome lighting

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

- headlights
- interior lights
- turn lights
- sidelights

The number of activated lights depends on the surrounding light conditions.
The lighting switches off immediately when the ignition is switched on.
The function can be activated or deactivated in the settings app in the Information Display.
The following lights will additionally switch on when the driver's door is opened:

- illumination of some switches
- cluster

- door pocket lights

Exit Lighting

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

- headlights
- interior lights
- centre console lighting

They will switch off automatically after a delay.
The function can be activated or deactivated in the settings app in the Information Display.

Vehicle Locator Lighting

This function allows to locate the vehicle, e.g., in weak lighting conditions using the remote control.

Press two times on the remote control, an eye-catching animation will play.

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.

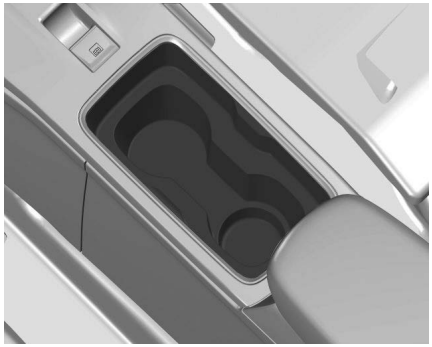
Interior Storage And Features

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

Glove Compartment

Pull lever to open the glovebox.
The glovebox should be closed whilst driving.

Cupholders



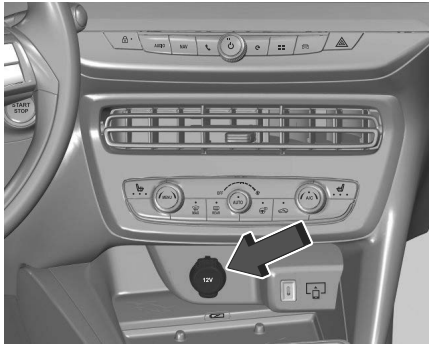
Cupholders are located in the centre console.

Center Console Compartment

Slide armrest backwards, push button and fold upwards. Under the armrest there is a storage compartment.

A storage compartment is located in the centre console.

12V Power Outlets



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.
Stop-start system ⇨ page 82

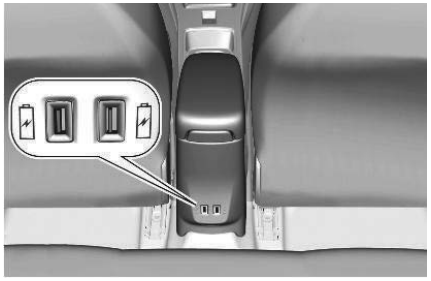
USB Ports

The USB port provides 5 V.

Note

The sockets must always be kept clean and dry.

Rear USB ports



The slot below the USB ports on the rear side of the storage container is intented to attach an accessory cupholder.

Wireless Phone Charger

⚠ 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.

This system allows wireless charging of a portable device such as a smartphone, using the magnetic induction principle, in accordance with the Qi.
The portable device to be charged must be compatible with the Qi standard, either by design or by using a compatible holder or shell.
A mat can also be used provided that it is approved by the Manufacturer. The charging area is identified by the Qi symbol.
The charger works with the engine running and with the Stop & Start system in STOP mode. Charging is managed by the smartphone.

Charging

- With the charging area clear, place a device in its centre.

When the portable device is detected, the charger's indicator lamp lights up green. It remains lit for the whole time that the battery is being charged.

⚠ Warning

The system is not designed to charge multiple devices simultaneously.

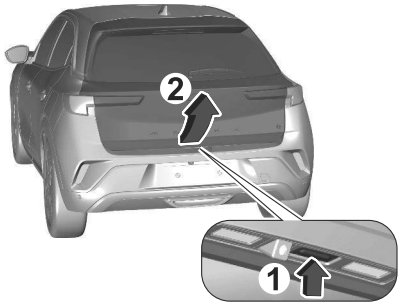
⚠ Warning

Do not leave metal objects (e.g. coins, keys, vehicle remote control) in the charging area while a device is being charged - Risk of overheating or interrupting the charging!

Tailgate

Opening/Closing

Opening



1 Press the tailgate button or press long ⊂⊃ on the radio remote control.

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 ⇨ page 8

General hints for operating tailgate

⚠ Danger
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.

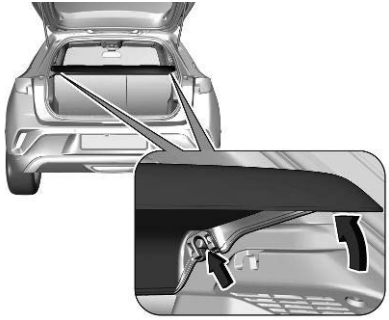
Note
The installation of certain heavy accessories onto the tailgate may affect its ability to remain open.
Note
At low outside temperatures the tailgate may not open fully by itself.
In this case lift the tailgate manually to its normal end position.

Load Compartment Cover

Do not place any objects on the cover.

Removing cover

Unhook retaining straps from tailgate.

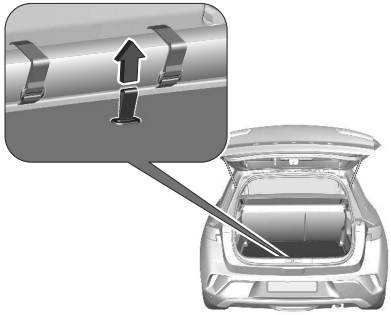


Lift cover at the front and push it upwards at the rear.
Remove the cover.

Fitting cover

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

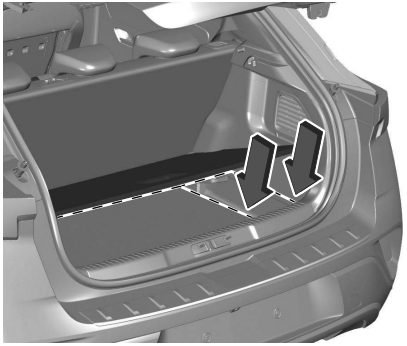
Rear Floor Storage Cover



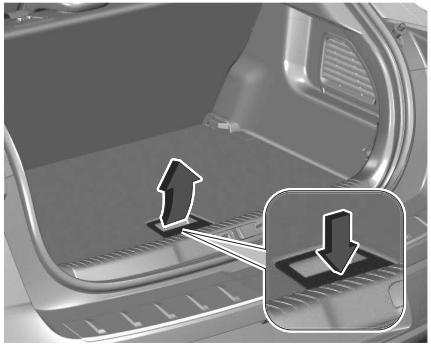
The rear floor cover can be lifted and removed. Use opening to raise the rear floor cover and then remove it.
Tire repair kit ⇨ page 147
Spare wheel ⇨ page 144

Double load floor

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

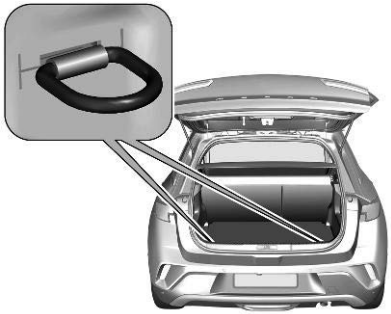


- lower position above the rear floor storage cover
- upper position interlocked with the grab handle into back panel trim



To remove, press the handle to unlock the load floor and lift it up while using the handle.
If mounted in the upper position, the space between the load floor and the spare wheel well cover can be used as a storage compartment.
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.

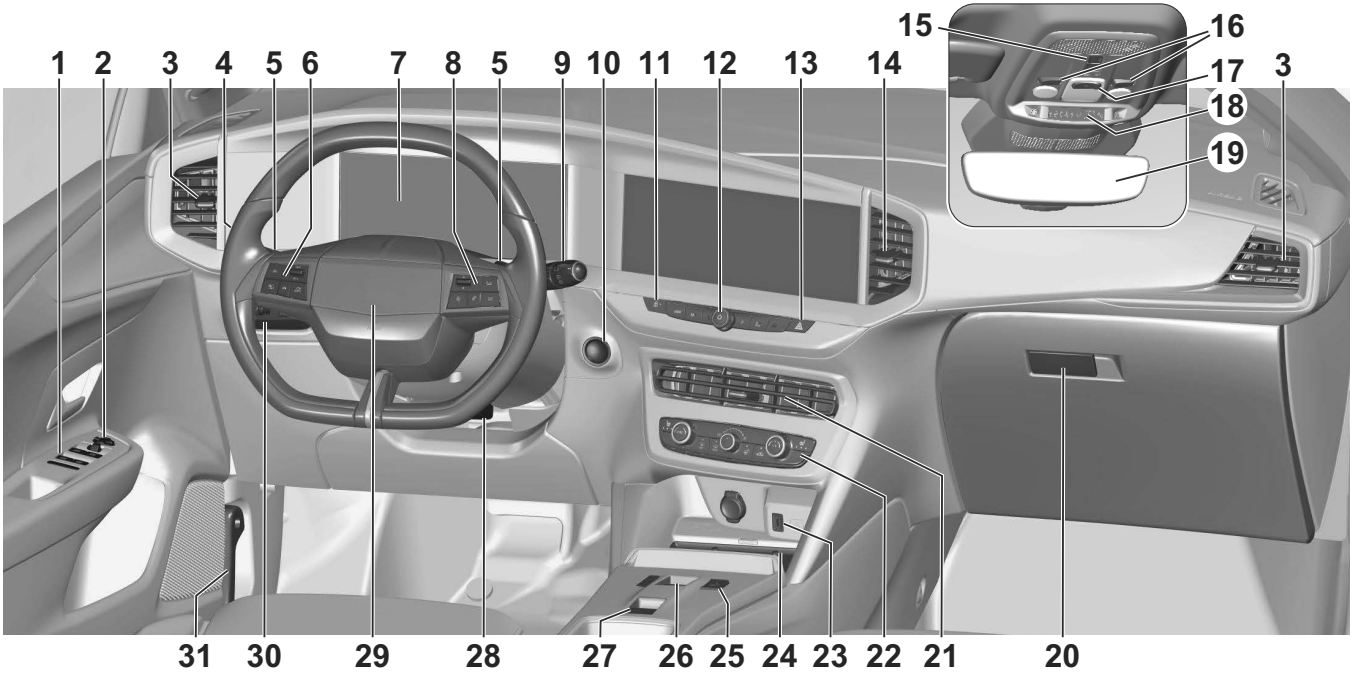
Lashing eyes



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

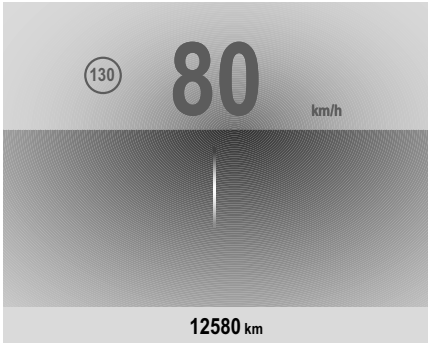
Dashboard Instruments And Control

Instrument Panel Overview



1. Power windows ⇨ page 13
2. Exterior mirrors ⇨ page 16
3. Side air vents ⇨ page 69
4. High beam, headlight flash, turn lights, rear fog lights, parking lights ⇨ page 39
5. Steering wheel paddles ⇨ page 35
6. Cruise control, speed limiter ⇨ page 129
7. Cluster ⇨ page 70
8. Infotainment controls ⇨ page 72
9. Windshield wiper and washer, rear window wiper and washer ⇨ page 15
10. Power button ⇨ page 81
11. Central locking button ⇨ page 8
12. Infotainment on / off ⇨ page 72
13. Hazard warning flashers ⇨ page 140
14. Centre air vents ⇨ page 69
15. Emergency call ⇨ page 140
16. Reading lights ⇨ page 44
17. Interior lights ⇨ page 43
18. Seat belt reminder, airbag deactivation ⇨ page 23
19. Interior mirror ⇨ page 17
20. Glove box ⇨ page 45
21. Center air vents ⇨ page 69
22. Heated rear window, heated windscreen, heated seats, heated steering wheel, electronic climate control system ⇨ page 5
23. USB port ⇨ page 46
24. Front storage, wireless charging ⇨ page 46
25. Driving modes ⇨ page 93
26. Gear selection, selector lever ⇨ page 88
27. Parking brake ⇨ page 86
28. Steering wheel adjustment ⇨ page 35
29. Horn ⇨ page 36
30. Headlight range adjustment, electronic stability control and traction system, lane keeping assist, traffic sign assist ⇨ page 39
31. Bonnet release lever ⇨ page 47

Odometer



The total recorded distance is displayed in km.

Trip odometer

The recorded distance since the last reset is displayed.
The following trip odometer pages are selectable in the trip / autonomy information menu:

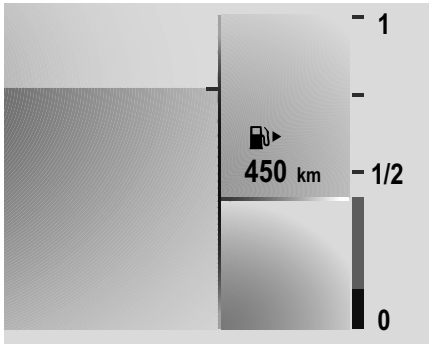
- trip in progress with instantanious fuel consumption
- trip 1 or 2 with average consumption, average speed and trip distance

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

Trip odometer counts up to 9,999 km.

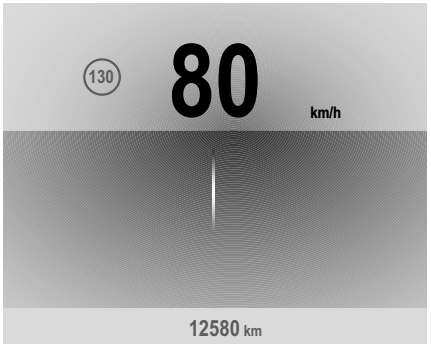
Press and hold the button to reset the trip odometer.

Fuel Level Gauge



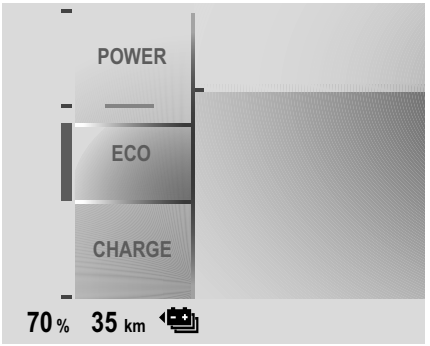
Control indicator illuminates yellow if the fuel level is low.
Never run the fuel tank dry.
The top-up quantity may be less than the specified fuel tank capacity, due to the remaining fuel in the tank.

Speedometer



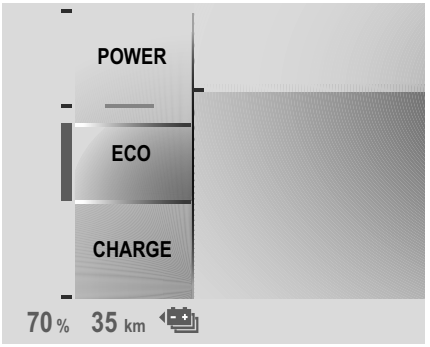
Indicates vehicle speed.
Hybrid 48 V vehicle: If the vehicle is driven in electric mode, the speed is indicated in blue.
Propulsion types ⇨ page 3

High-Voltage Battery Charge Status



Displays the high voltage battery state of charge.

Power Indicator Gauge



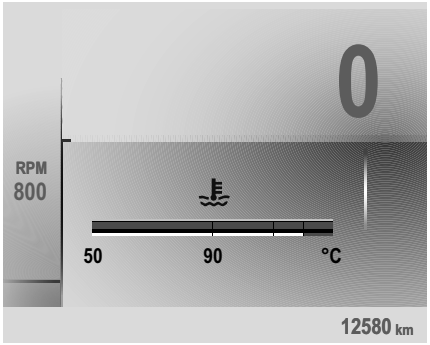
The power indicator gauge informs about the current energy situation of the vehicle.

Power: Energy consumption during high power demand. Hybrid 48 V vehicles: ICE and eletrical engine work combined.

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

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

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 the engine coolant temperature is too high, stop the vehicle, switch off the engine. Danger to the engine. Check the 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 ⇨ page 161.
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 are required can vary considerably.
Service information ⇨ page 55
A required service due is displayed on 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 to the next service due, the distance travelled since the last service due or the time period that remains to the next service due is indicated for several seconds.

Simultaneously symbol illuminates temporary as reminder.
If service is required in less than 1000 km, the remaining distance to the next service due, the distance travelled since the last service due orthe time period that remains to the next service due is indicated for several seconds. Simultaneously illuminates permanently as reminder.
Overdued service is indicated by a message on the cluster which indicates the overdued distance. 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.
If service is executed by yourself, operate as following:

- switch off ignition

- press and hold the button
- switch on ignition, the distance indication begins a countdown
- when the display indicates =0, release the button again

The symbol disappears.

Retrieving service information

The status of the service information can be retrieved at any time via the Information Display. Press **Check** in the vehicle settings menu. The service information is displayed for a few seconds.
Information Display ⇨ page 70
Service information ⇨ page 55

Warning And Control Indicator Lights

The control indicators described are not present in all vehicles. The description applies to all instrument versions. Depending on the equipment, the position of the control indicators may vary.
When the ignition is switched on, most control indicators will illuminate briefly as a functionality test.
The control indicator colours mean:

red	danger, important reminder
yellow	warning, information, fault
green	confirmation of activation
blue	confirmation of activation
white	confirmation of activation
grey	system paused, at least one system limitation has been detected

Overview

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

1 only for information

2 information and warning

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

6 stop and leave the vehicle immediately and seek the assistance of a workshop

	1	Turn lights ⇨ page 40
	2	Seat belt reminder ⇨ page 60
	5	Airbag and belt tensioners ⇨ page 58
	2	Airbag activated ⇨ page 27
	2	Airbag deactivated⇨ page 27
	4	Charging system ⇨ page 59
	5	Malfunction indicator light ⇨ page 62
	5	Service vehicle soon ⇨ page 155
	4	Stop engine ⇨ page 63
	5	Hybrid system fault ⇨ page 63
	4	System check ⇨ page 63
	6	Brake and clutch system ⇨ page 63
	1 / 5	Parking brake ⇨ page 60
	5	Electric parking brake fault ⇨ page 61
	2	Automatic operation of electric parking brake off ⇨ page 61
	2	Antilock brake system (ABS) ⇨ page 60
▲▼	1	Gear shifting ⇨ page 88
	4	Power steering ⇨ page 59
	2	Lane keeping assist ⇨ page 61
	2	Advanced lane keeping assist ⇨ page 61
	1	Parking assist ⇨ page 63
	2	Parking assist off ⇨ page 63
	2 / 5	Electronic Stability Control and AntiSlip Regulator (ASR) system ⇨ page 61
	2	Electronic Stability Control and AntiSlip Regulator (ASR) system deactivated ⇨ page 61
	4	Engine coolant temperature high ⇨ page 59
	2 / 3	Tire Deflation Detection System ⇨ page 62
	4	Engine oil pressure ⇨ page 59

	2	Low fuel ⇨ page 62
	2	Charging cable connected ⇨ page 59
READY	1	Vehicle ready ⇨ page 63
	2	Reduced engine power ⇨ page 63
	1	Apply footbrake ⇨ page 63
	6	High voltage battery temperature high ⇨ page 63
A	1	Autostop ⇨ page 64
A OFF	1/3	Stop-start system deactivated ⇨ page 64
	1	Exterior light ⇨ page 64
	1	Low beam ⇨ page 62
	1	High beam ⇨ page 62
AUTO	1	High beam assist ⇨ page 64
	1	Front fog lights ⇨ page 64
	1	Rear fog lights ⇨ page 64
AUTO	1	Rain sensor ⇨ page 64
	3	Pedestrian safety alert fault ⇨ page 64
	2 / 3	Active emergency braking ⇨ page 64
	2 / 3	Traffic sign assist ⇨ page 62
	2 / 3	Driver drowsiness detection ⇨ page 59
	2	Door open ⇨ page 59

Airbag And Belt Tensioners

and illuminate yellow.
When the ignition is switched on, the control indicator illuminates for some seconds. If it does not illuminate, does not extinguish after some seconds or illuminates whilst driving, there is a fault in the airbag system.
Seek the assistance of a workshop.

The airbags and belt pretensioners may fail to trigger in the event of an accident. Deployment of the belt pretensioners or airbags is indicated by continuous illumination of .

⚠ Warning

Have the cause of the fault remedied immediately by a workshop.

Airbag system ⇨ page 25.

Airbag Deactivation

illuminates yellow.
The front passenger airbag is activated.
illuminates yellow.

The front passenger airbag is deactivated.

Battery Charge Warning Light

illuminates red.
Illuminates when the ignition is switched on and extinguishes shortly after the engine starts.

Illuminates when the engine is running

Stop, switch off the engine. The vehicle battery is not charging. The engine cooling may be interrupted. The brake servo unit may cease to be effective. Seek the assistance of a workshop.

Door Open Warning Light

illuminates red.
A door or the tailgate is open.

Drowsy Driver Detected Warning Light

illuminates yellow.
The driver drowsiness detection is deactivated.
Driver Drowsiness Detection (DDD) ⇨ page 127.

Electric Power Steering (EPS) Fault Warning Light

illuminates red or yellow.
The power steering has a fault. Drive carefully at a moderate speed and consult a workshop.

Engine Coolant Temperature Warning Light

illuminates red.

Illuminates when the engine is running

Stop, switch off the engine.

Caution
Coolant temperature too high.

Check coolant level immediately ⇨ page 158.
If there is sufficient coolant, consult a workshop.

Oil Pressure Warning Light

illuminates red.
Illuminates when the ignition is switched on and extinguishes shortly after the engine starts.

Illuminates when the engine is running

Caution
Engine lubrication may be interrupted. This may result in damage to the engine and / or locking of the drive wheels.

1. Select neutral gear.
2. Move out of the flow of traffic as quickly as possible without impeding other vehicles.
3. Switch off the ignition.

⚠ Warning
When the engine is off, considerably more force is needed to brake and steer. During an Autostop, the brake servo unit will still be operational. Do not remove key until vehicle is stationary, otherwise the steering wheel lock could engage unexpectedly.

Keep engine turned off and let the vehicle be towed to a workshop.

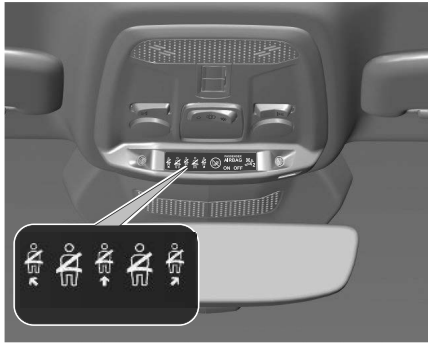
Plug Stats Fault Warning Light

illuminates red.

The vehicle plug of the charging cable is still connected to the charge port.
The vehicle cannot be started.
Disconnect the vehicle plug from the charge port and close the charge port flap.
Charging ⇨ page 100.

Seat Belt Reminder Warning Light

illuminates or flashes on the cluster together with the indication in the overhead console for each seat belt.



illuminates in different colours depending on condition:
red : seat belt not fastened
green : seat belt fastened
grey : seat not occupied

- When the ignition is switched on, illuminates in the overhead console in the corresponding colour.
- After driving off, on the cluster and the symbol for the respective seat in the overhead console flash in red for a certain time together with a chime if the respective seat is occupied but the seat belt is not fastened. After a certain time of driving, illuminates constantly in red until the seat belt of the respective seat has been fastened.
- If any passenger has unfastened the seat belt during driving, on the cluster and the symbol for the respective seat in the overhead console flash in red for a certain time together with a chime. After a certain time of driving, illuminates constantly in red until the seat belt of the respective seat has been fastened again.

Depending on version, could illuminate in red when the respective seat is not occupied or could extinguish after a certain time independent on condition.
Seat belts ⇨ page 23.

Service Hybrid System Warning Light

illuminates red.
The hybrid system has a fault.
Switch off ignition and seek the assistance of a workshop.

Anti-Lock Brake System (ABS) Warning Light

illuminates yellow.
Illuminates for a few seconds after the ignition is switched on.
The system is ready for operation when the control indicator extinguishes.
If the control indicator does not extinguish after a few seconds, or if it illuminates while driving, there is a fault in the ABS. The brake system remains operational but without ABS regulation.
Antilock brake system ⇨ page 85.

Parking Brake

illuminates or flashes red.

Illuminates

Parking brake is applied ⇨ page 86.

Flashes

Electric parking brake is not applied automatically. The application or the release ar faulty.

⚠ Warning
Have the cause of the fault remedied immediately by a workshop.

Electric Park Brake Warning Light

 illuminates yellow.

Illuminates

Electric parking brake has a fault ⇨ page 86.

⚠ Warning
Have the cause of the fault remedied immediately by a workshop.

Automatic operation of electric parking brake off

 illuminates yellow.

Illuminates

Automatic operation is deactivated or faulty. In the event of a fault,  illuminates together with other control indicators or it is accompanied by a corresponding message on the cluster. Activate automatic operation again or have the cause remedied by a workshop in the event of a fault.
Automatic operation ⇨ page 86.

Electronic Stability Control (ESC) Active Warning Light

 illuminates or flashes yellow.

Illuminates

A fault in the system is present. Continued driving is possible. Driving stability, however, may deteriorate depending on road surface conditions. Have the cause of the fault remedied by a workshop.
After reconnecting the vehicle battery, (e.g. after maintenance work),  is illuminated for several seconds. After this time period,  extinguishes. This is a normal procedure, the vehicle does not need any assistance.

Flashes

The system is actively engaged. Engine output may be reduced and the vehicle may be braked automatically to a small degree.
Electronic Stability Control ⇨ page 113
Anti Slip Regulator ⇨ page 113

Lane Keep Assist (LKA) Warning Light

 illuminates or flashes yellow.

Illuminates yellow

The system has been automatically deactivated or placed on standby.

If  and  illuminate, the system has a fault. Seek the assistance of a workshop.

Flashes yellow

The system is correcting the unintended lane change.
Lane Keeping Assist ⇨ page 118

Service Lane Keep Assist Warning Light

 illuminates grey, green or yellow.

Illuminates grey

The system is paused. At least one system limitation has been detected.

Illuminates green

The system is active and ready to operate.

Illuminates yellow

The system has a fault.
Advanced lane keeping assist ⇨ page 120

Low Fuel Warning Light

illuminates yellow.
Level in fuel tank is too low.
Refuelling ⇨ page 94.

Engine Check-Malfunction Indicator (MIL) Warning Light

illuminates or flashes yellow.
Illuminates or flashes yellow when the ignition is switched on and extinguishes shortly after the engine starts.

Illuminates when the engine is running

Fault in the emission control system.The permitted emission limits may be exceeded. Seek the assistance of a workshop immediately.

Flashes when the engine is running

The engine management system has a fault that could lead to catalytic converter damage. Ease up on the accelerator until the flashing stops.Seek the assistance of a workshop immediately.

Tire Pressure Monitoring System (TPMS) Warning Light

illuminates or flashes yellow.

Illuminates

Tire pressure loss in one or more wheels. Stop immediately and check the tire pressure.

Flashes

Fault in the system. Consult a workshop.
Tire Deflation Detection System ⇨ page 139

Traffic Sign Recognition (TSR) Warning Light

illuminates for a few seconds or permanently.

Illuminates for a few seconds

If the vehicle exceeds the speed limit provided by the traffic sign assistant, the speed limit displayed on the cluster flashes and an audible signal is given. If flashing and audible signal are deactivated, illuminates for a few seconds.

Illuminates permanently

If the traffic sign assistant has a failure, illuminates permanently.
Stop the vehicle and check, if the camera needs to be cleaned. If still illuminates after cleaning the camera, consult a workshop.
Traffic sign assistant ⇨ page 136.

Automatic Low Beam Indicator Light

illuminates green.
Illuminated when low beam is on.

Turn Signal Indicator Light

flashes green.
Flashes if a turn light is activated.
An audible warning can be heard when the turn lights are on.
Turn lights ⇨ page 40

High Beam Indicator Light

illuminates blue.
Illuminated when high beam is on or during headlight flash ⇨ page 39.

Service Vehicle Soon

 illuminates yellow.
Illuminates briefly when the ignition is switched on.
May illuminate together with other control indicators and a corresponding message on the cluster.
Seek the assistance of a workshop immediately.

Stop Engine

 illuminates red.
Illuminates briefly when the ignition is switched on.
Illuminates together with other control indicators, accompanied by a warning chime and a corresponding message on the cluster.
Stop the engine immediately and seek the assistance of a workshop.

System Check

 illuminates yellow or red.

Illuminates yellow

A minor engine fault has been detected.

Illuminates red

A major engine fault has been detected.
Stop engine as soon as possible and seek the assistance of a workshop.

Brake And Clutch System

 illuminates red or yellow.
The brake and clutch fluid level is too low.

⚠ Warning
Stop. Do not continue your journey. Consult a workshop.

Brake fluid ⇨ page 159.

Gear Shifting

▲ or ▼ with the number of a higher or lower gear is indicated, when upshifting or downshifting is recommended for fuel saving reasons.
On vehicles with automatic transmission, the system is only active in manual mode.

Parking Assist

 illuminates or flashes yellow.

 flashes yellow as soon as an obstacle gets closer to the vehicle.
Parking assist ⇨ page 122

 illuminates yellow.
The system is deactivated.

Vehicle Ready

 illuminates green.
The hybrid system is active.

Reduced Engine Power

 illuminates yellow.
The charging level of the high voltage battery is low. Only reduced engine power is available.

Apply Footbrake

 illuminates.
Insufficient or no pressure on the brake pedal. Depress the brake pedal before releasing the parking brake and moving out of **P**.

High Voltage Battery Temperature High

 illuminates red.
Illuminates briefly when the ignition is switched on.
Illuminates together with other control indicators, accompanied by a warning chime and a corresponding message in the cluster.

Stop engine immediately and evacuate the vehicle.

Autostop

 illuminates or flashes green or yellow.

Illuminates green

Engine is in an Autostop.

Illuminates yellow

Hybrid 48 V vehicle: automatic switching to electrical engine only has been deactivated manually.
Automatic transmission Hybrid 48 V ⇨ page 90

Flashes green

Autostop is temporarily unavailable, or Autostop mode is invoked automatically.
Stop-start system ⇨ page 82.

Exterior Light

 illuminates green.
The exterior lights are on ⇨ page 39.

High Beam Assist

 illuminates green or yellow.
Illuminates green when the high beam assist is activated ⇨ page 39.

Illuminates yellow when a malfunction has been detected. Seek the assistance of a workshop.

Front Fog Lights

 illuminates green.
The front fog lights are on ⇨ page 41.

Rear Fog Light

 illuminates yellow.
The rear fog light is on ⇨ page 41.

Rain Sensor

 illuminates green.
Illuminates when rain sensor position on wiper lever is selected.
Windscreen wiper and washer ⇨ page 36.

Pedestrain Safety Alert Fault

 illuminates yellow.
The pedestrian safety alert is not working.

Active Emergency Braking

 illuminates or flashes yellow.

Illuminates

The system has been deactivated or a fault has been detected.
Additionally, a warning message is displayed on the cluster.
Check the reason of the deactivation ⇨ page 109 and in case of a system fault, seek the assistance of a workshop.

Note

 also illuminates if the seat belts of the front passengers are not fastened.
In this case, active emergency braking is deactivated.

Flashes

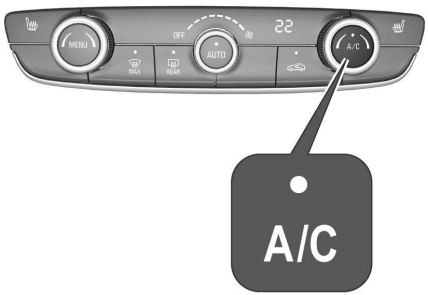
The system is actively engaged and brakes automatically the vehicle.
Active emergency braking ⇨ page 109.

Vehicle Range

Displays the total vehicle range.

Climate Control System

AC On-Off Control

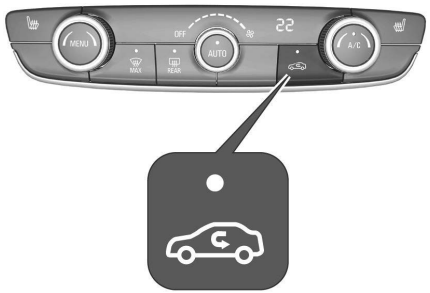


Press **A/C** to switch on cooling. The LED in the button illuminates to indicate activation. Cooling is only functional when the engine is running and fan is switched on.
Press **A/C** again to switch off cooling. The air conditioning system cools and dehumidifies (dries) as soon as the outside temperature 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.

Maximum air conditioning AC/MAX

Press **MENU** to enter the climate control settings menu.
Touch **A/C MAX** to activate/ deactivate maximum air conditioning.
The maximum air conditioning function sets the temperature as low as possible and adjusts the distribution to all air vents. In addition, it sets the air flow to maximum and activates the air recirculation.

Recirculation Control



Press to activate air recirculation mode. The LED in the button illuminates to indicate activation.
Press again to deactivate air recirculation mode.

⚠ 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 vehicle occupants to feel drowsy.

In warm and very humid ambient air conditions, the windscreen may mist up from outside when cold air is directed towards it. If windscreen mists up from outside, activate windscreen wiper and deactivate .

Automatic A/C Control

Basic setting for maximum comfort:

- Press AUTO, the air distribution and fan speed are regulated automatically.

Three different pre-set fan speeds can be selected by repeatedly tapping on AUTO either on the climate control panel or on the Info Display: soft, normal or fast. The selected setting is shown on the Information Display.

- Open all air vents to allow optimised air distribution in automatic mode.
- Air conditioning must be activated for optimal cooling and demisting. Press **A/C** to switch on air conditioning. The LED in the button indicates activation.
- Set the preselected temperature using the left or right rotary knob. Recommended temperature is 22 °C.

Demisting And Defrosting MAX

- Press MAX. The LED in the button illuminates to indicate activation.
- Temperature and air distribution are set automatically and the fan runs at high speed.
- Switch on air conditioning by pressing A/C, if required.
- Switch on heated rear window REAR.
- To return to previous mode, press MAX again. To return to automatic mode, press AUTO.

Heated rear window ⇨ page 15.
Heated exterior mirrors ⇨ page 17.

Note

If MAX is pressed while the engine is running, an Autostop will be inhibited until is pressed again.

If MAX is pressed while the engine is in an Autostop, the engine will restart automatically.
Stop-start system ⇨ page 82.

Deactivation of electronic climate control system

Cooling, fan and automatic mode can be switched off by turning one of the rotary knobs anticlockwise.
Activation by switching on the fan or pressing **AUTO**.

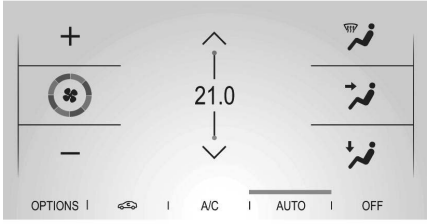
Electronic Climate Control System

Controls for:

- temperature on driver side
- **MENU** enters the climate control settings menu in the Information Display
- fan speed
- automatic mode **AUTO**
- cooling **A/C**
- manual air recirculation
- demisting and defrosting MAX
- heated rear window and exterior mirrors REAR
- heated windscreen
- heated seats
- ventilated seats

Heated rear window ⇨ page 15
Heated exterior mirrors ⇨ page 17
Heated seats ⇨ page 21
In automatic mode, temperature, fan speed and air distribution are regulated automatically.
Activated functions are indicated by the LED in the respective control.
The electronic climate control system is only fully operational when the engine is running.

Climate Control Settings Menu



Press **MENU** to manually set the following climate control funtions:

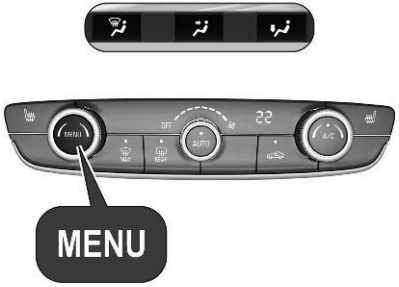
- air distribution
- fan speed
- temperature
- cooling **A/C**
- automatic mode **AUTO**

Climate setting menu can also be displayed in the Information Display.
Info Display ⇨ page 70

Air Fan Speed Control

Adjust the air flow by turning rotary knob to the desired speed. Fan speed can also be changed in the climate settings menu.
Press **MENU** to enter the menu.
Turn rotary knob anticlockwise as far as it will go: fan and cooling are switched off.
To return to automatic mode, press **AUTO**.

Air Distribution



Press MENU to enter the menu.
Touch in the Information Display:

- to windscreen and front door windows
- to head area via adjustable air vents
- to foot well and windscreen

All combinations are possible.
To return to automatic air distribution, press **AUTO**.

Temperature Preselection

Set the preselected temperature on the Info Display or by using the left or right rotary knob ( ) on the climate control panel. The preselected temperature is indicated on the Info Display.
Recommended temperature is 22 °C.
If the minimum temperature Lo is set, the climate control system runs at maximum cooling, if cooling A/C is switched on.
If the maximum temperature Hi is set, the climate control system runs at maximum heating.

Note

If **A/C** is switched on, reducing the set cabin temperature can cause the engine to restart from an Autostop or inhibit an Autostop.
Stop-start system ⇨ page 82.

Auxiliary Heater

Air heater

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

Temperature Preconditioning

The temperature preconditioning allows to heat or to ventilate the vehicle's interior with ambient air.
The temperature preconditioning can be programmed via the Info Display or the MyOpel App.
The operating status of the temperature preconditioning is shown by a LED.

- LED illuminates: A timer has been set.
- LED flashes: The system is operating.

The LED is extinguished at the end of the operation or when the temperature preconditioning is stopped using the remote control.
The temperature preconditioning can be programmed by using the Information Display.

Note

Depending on version, temperature preconditioning can only be used via the MyOpel App.

Note

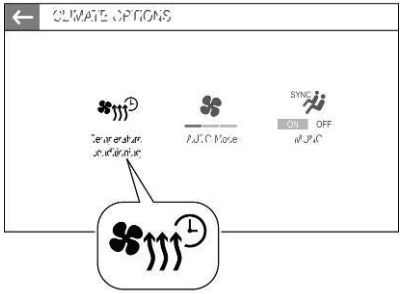
The temperature preconditioning is only activated if the ignition is off and the vehicle is locked.
If the charging level of the high voltage battery is below 30%, the temperature preconditioning is not activated.
When the vehicle is plugged in, battery charging takes precedence over pre-conditioning.
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

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-term perfomance of the high voltage battery.

Press **MENU** on the climate control panel or touch on the Info Display to open the climate settings.
Touch **OPTIONS.**



Touch or select the menu for temperature preconditioning.
Touch + to define a new timer.
Touch --:--.
Enter time and day.
Press to confirm the settings.
Press **ON** to activate the timer.

To delete a timer, press at the top of the Info Display and delete the desired timer.
Confirm the deletion.
The heating / ventilation procedure starts approx. 45 minutes before the programmed time, and is maintained ten minutes after it.

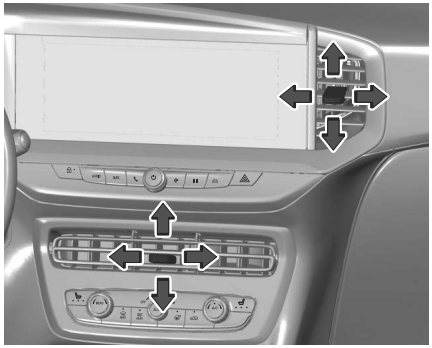
Type B

Press **MENU** on the climate control panel or touch on the Info Display to open the climate settings.
Touch and then select the preconditioning settings menu.
Select to define a new timer or touch next to a timer to edit it.
Activate the timer.
To delete a timer, select the desired timer and press at the lower left corner of the screen.
The heating / ventilation procedure starts approx. 45 minutes before the programmed time when the vehicle is plugged in, or 20 minutes before the programmed time when it is not plugged in, and is maintained ten minutes after it.

Air Vents

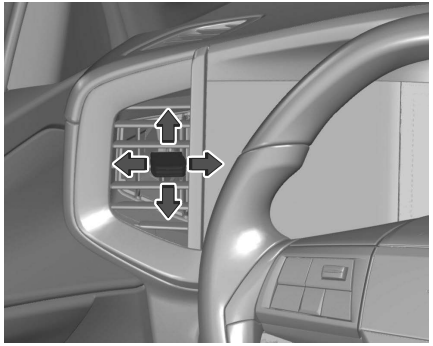
Adjustable air vents

Centre air vents in 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 in the instrument panel



Direct the flow of air by tilting and swivelling the slats.
To close the vent, swivel the slats outwards.
At least two air vents must be open while cooling is on.

⚠ Warning

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

Rear air vents in the centre console

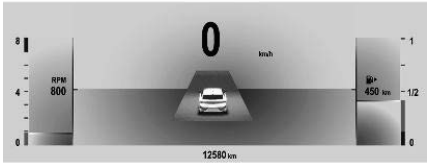
Direct the flow of air by tilting and swivelling the slats.

Fixed air vents

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

Displays

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.

Information Display

The information display can indicate:

- time
- outside temperature

- date
- Infotainment system ⇨ page 72
- navigation ⇨ page 77
- vehicle and system messages ⇨ page 56
- settings for vehicle personalization ⇨ page 75

Infotainment System

Introduction

Important information on operation and traffic safety

⚠ 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

static, noise, distortion or loss of reception due to:

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

Control Elements Overview

Control panel

Displays the settings.

Displays the phone menu.

Displays the media menu.

Displays the home screen.

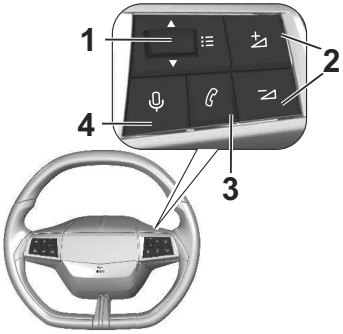
Displays the app menu.

Displays the vehicle settings menu.

Displays the phone projection screen when phone projection is active.

Switches the system on / off
Short press when system is switched on: mute system.

Steering wheel controls



1: Toggle up or down: select the previous / next radio station or track or browse through the list of recent calls.

Short press: display a menu or validate a selection.

2: Short press: adjust the volume or unmute the sound.
Long press on −: mute the sound.

3: Short press: accept an incoming call, hang up, display the list of recent calls or display the phone projection screen.
Long press: refuse an incoming call.

4: Short press: activate the voice assistant of the Infotainment system.
Long press: activate the voice assistant of the connected mobile phone.

Basic Operation

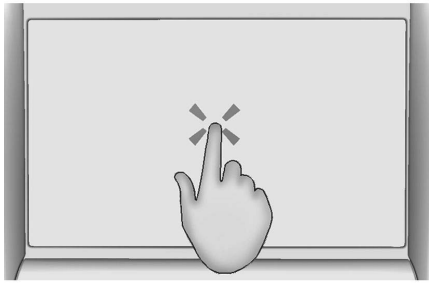
Screen operations

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

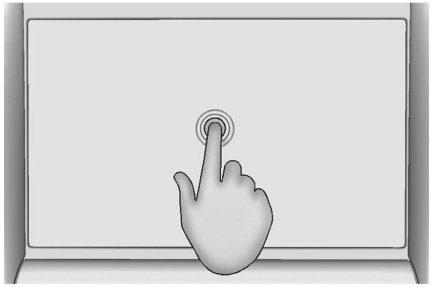
Caution
Do not use pointed or hard items like ballpoint pens, pencils or similar for touchscreen operation.

Use the following finger gestures to control the Infotainment system.

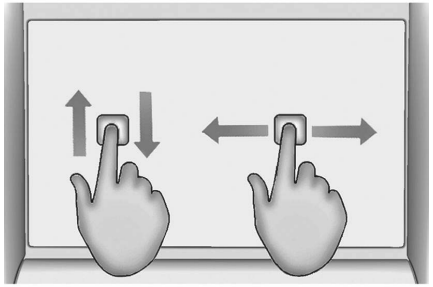
Touch



Touch and hold



Swipe



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

Returning to the previous screen in a submenu

To return to the previous screen, touch ← in the upper part of the screen.

Displaying and hiding the menu

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

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

Apps overview

To display a list of all availabe apps, touch ⊞.
Alternatively, the apps overview will be displayed by a 3-finger touch on the screen.

System settings

To display the system settings menu, open the settings app ⚙ and touch the menu for the system settings 🌐.

The following system settings can be adjusted:

- language
- date and time, time format, date format
- unit for distance and consumption
- unit for outside temperature
- restore the factory settings
- view system information

Brightness

To adjust the brightness of the instrument panel illumination, the interior lighting and the head-up display, open the settings app ⚙ and touch the menu for the brightness adjustment.
The interior lighting and the head-up display can also be activated or deactivated.

Connectivity

To display the connectivity menu, open the settings app ⚙ and touch the menu for connectivity.
The following settings are adjustable:

- 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 authorised services

System updates

When an update is available and ready to install, a message will be displayed at the end of a trip after stopping the vehicle.

Alternatively, open the settings app and touch the menu for updates to check if an update is available. If available, pending updates will be displayed on the screen.
It is possible to activate automatic downloads of updates by touching the checkbox. If activated, the updates will be automatically downloaded when the vehicle is connected to an external Wi-Fi network.
The installation of an update will continue even if the vehicle will be left and closed. When the vehicle has started again, a message will be displayed on the screen if the installation of the update has been successfully finished.
When the installation has been failed, a corresponding message will be displayed on the screen. Contact an assistance centre.

Privacy

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.

Customization

The cluster, the head-up display and the Information Display can be personalised. To display the personalisation menu, open the settings application and touch the menu for customisation.

Screen colour

The background colour of the on the cluster and the Information Display can be chosen. The chosen background colour will immediately be shown in both on the cluster and the Information Display.

Interior colour

The colour of interior lighting features, e.g. the light on the door handles, can be chosen.

Sound ambience

An active sport sound for the sport mode can be activated or deactivated.

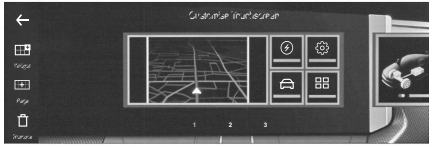
Animations

Exterior and interior animations to welcome and say good bye to the driver can be activated or deactivated.

Pages

Several personalised pages for the cluster and the Information Display can

be created. The head-up display belongs to the cluster page.



Each page can be personalised by choosing the widgets to be displayed.

To add a page, touch .

To delete a page, touch .

Widgets

A widget is the indication of specific information or gauge, e.g. radio information, navigation information or the engine coolant temperature gauge.

The cluster can display two widgets and the head-up display can display one widget. The Information Display can contain several widgets.

To add a widget to a page, touch .

Some widgets are available in different sizes. The bigger a widget is, the less widgets can be displayed on a page.

Profiles

Several user profiles can be created. Due to the option of creating profiles, the Infotainment system can be fitted to several drivers. Different settings as well as saved radio stations and destinations will be connected to a specific profile. Thereby, the settings don't need to be adjusted every time another person is driving the vehicle.
To display the profile settings, open the settings app and touch the profile menu.

Creating a profile

To create a new profile, touch +.
The following settings can be adjusted for each profile:

- profile name
- avatar
- associated device

Once a new profile is created, the profile settings can be changed at any time by touching .

Deleting a profile

To delete a profile, touch next to the corresponding profile and select . The guest profile cannot be deleted.
The guest profile is a default profile. It is active when no other profile is created or active.

Audio

Display the audio screen by touching in the apps overview.

Touch to switch between the radio and a connected external device as the audio source.

Switching the radio stations

Touch briefly to perform an automatic search for the next radio station.

Touch and hold to perform a quick search for the next radio stations.

Touch briefly to perform an automatic search for the previous radio station.

Touch and hold ⏮ to perform a quick search for the previous radio stations.

Station list

All available radio stations will be displayed as a list by touching the list entry in the radio menu on the left side of the screen.

Waveband

To select the waveband, touch .

Frequency tuning

To tune into a specific radio frequency, touch .
A number pad will be displayed. Enter the desired frequency and touch ✓ to confirm.

Saving radio stations

Saved radio stations will be displayed or hidden by touching . The saved radio stations will be lined up in the lower part of the screen. Touch the desired radio station to tune in.
To save the current radio station, touch and hold the desired button.
Buttons which are already used for radio stations can be overwritten.
Unused buttons for saving radio stations will be indicated by +.

Alternatively, radio stations can be saved by touching the corresponding heart icon in the station list.

Mute

To mute or unmute, touch .

Audio settings

In the settings menu within the radio app, the following settings can be adjusted:

- sound settings: ambience sound, equaliser, treble
- radio settings: station list order, activation or deactivation of station follow-up and traffic and news announcements
- volume settings: system voice, ringtone, phone call, system sounds

Navigation

Navigation System

Touch in the Information Display to open the navigation app.

Starting a route guidance

To start a route guidance, touch to enter an address via a keyboard.
After typing the first letters of the address, matching addresses will be displayed.
Once the address is entered, several routes might be displayed on the map. Choose one before starting the route guidance.

Active route guidance

During an active route guidance, information about the route, e.g. the estimated arrival time and the distance, will be displayed on the screen.
To activate or deactivate voice prompts of the route guidance, touch .
To change the route, add a stop, e.g. a restaurant or a petrol station, or to show instructions, touch the three points on the side bar of the screen.

Route settings

To open the settings menu, touch the three points on the side bar of the screen and then touch the settings menu .
Touch to view map downloads, to set the map colour, to set the points of interest shown on the map and other map settings, to set the arrival

information, to set the side bar on the route guidance screen, to set the map orientation or to show the vehicle range on the map.

Touch to set the options for rerouting, to set the preferred route types (fast, short, eco-friendly) or to avoid specific routes (toll roads, unpaved roads, etc.).

Touch to set the types of voice prompts, alerts and sounds.

Touch to set the privacy information (keep journey history, frequent destinations, etc.).

Map updates

When connected services are activated, the map of the current region will be updated automatically.
When the system is connected to a Wi-Fi network, the maps of all other regions can be updated via the maps and display menu within the settings menu .
Connected services ⇨ page 73

Voice Assistant

The integrated voice assistant can be used to operate the Infotainment system via voice commands.

There are three ways to activate the voice assistant:

- press on the steering wheel
- touch in the Information Display
- say "Hey Opel"

After pressing on the steering wheel or touching in the Information Display, wait for the beep before saying a voice command.
To display some voice command examples, open the help menu in the Information Display. The examples will be sorted by categories, e.g. radio or navigation.

Phone

Bluetooth connection

Touch in the Information Display to open the phone app.
Once a mobile phone is connected to the Infotainment system via Bluetooth, the following functions are available via the phone app:

- display the contact list
- display a list of the recent calls
- dial a telephone number via a keyboard

Pairing a mobile phone

To pair a mobile phone, open the settings menu in the phone app in the Information Display.
Open the Bluetooth menu on the mobile phone and activate the function.
Select the mobile phone from the list in the Information Display. Follow the instructions on the mobile phone.
Once the mobile phone is successfully paired, it will be connected automatically and shown as connected.
Also a second mobile phone can be connnected via the settings menu in the phone app.

Making a call

To make a call, choose one of the contacts from the contact list, dial a telephone number via the keyboard or select a number from the recent calls list.

Receiving a call

An incoming call is announced by a ring and a message on the Information Display.
To accept an incoming call or hang up an active call, touch the corresponding button on the Information Display or press on the steering wheel.

To refuse an incoming call, touch the corresponding button on the Information Display or press and hold ✆ on the steering wheel.

Using Smartphone Applications

Phone projection

The phone projection applications Apple CarPlay and Android Auto display selected apps from a smartphone on the Information 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 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 Information 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.

Starting And Operating

Driving Hints

Control Of The Vehicle

Never Coast With Engine Not Running

Many systems will not function in this situation (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 ⇨ page 82.

Pedals

To ensure the pedal travel is uninhibited, there must be no mats in the area of the pedals.
Use only floor mats, which fit properly and are fixed by the retainers on the driver side.

Steering

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.

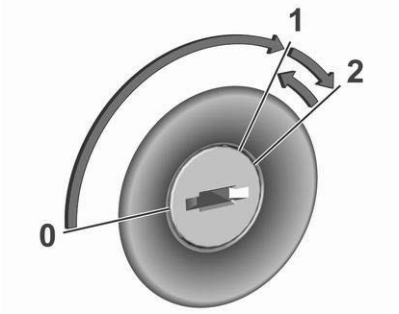
New Vehicle Running-In

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 ⇨ page 93.

Ignition Switch Positions

Turn key:



0 ignition off: some functions remain active until key is removed or driver's door is opened, provided the ignition was on previously

1 ignition on power mode: ignition is on, diesel engine is preheating, control indicators illuminate and most electrical functions are operable

2 engine start: release key after engine has been started

Steering Wheel Lock

Depending on version, the vehicle may be equipped with a steering wheel lock. In this case, remove key from ignition switch and turn steering wheel until it engages.

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

Starting Procedure

Vehicles with power button

- Manual transmission: select neutral gear, operate clutch and brake pedal.
- Automatic transmission: operate brake pedal.
- Do not operate accelerator pedal.
- Press **Start/Stop** button.
- Release button after starting procedure begins.
- Before restarting or to switch off the engine when vehicle is stationary, press **Start/Stop** once more briefly.

To start the engine during an Autostop:

- Automatic transmission: during an Autostop, the engine can be started by releasing the brake pedal ⇨ page 90

Emergency shut off during driving

If the engine needs to be switched off during driving in case of emergency, press **Start/Stop** for five seconds.

⚠ Danger

Switching off the engine during driving may cause loss of power support for brake and steering systems. Assistance systems and airbag systems are disabled.
Lighting and brake lights will extinguish. Therefore power down the engine and ignition while driving only when required in case of emergency.

Starting the vehicle at low temperatures

Starting the engine without additional heaters is possible down to -25 °C for diesel engines and -30 °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 °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.

Stop-Start System

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 can be manually activated in the Information Display.

Press and activate the system in the Information Display.
Information Display ⇨ page 70.
The activation of the system is confirmed by a message.

Deactivation

Press and deactivate the system in the Information Display.
Deactivation is confirmed by the illumination of OFF on the cluster and the display of a message.

Autostop

Vehicles with manual transmission

Activate an Autostop as follows:

- Set the selector lever to neutral.

- Release the clutch pedal.

The engine will be switched off while the ignition stays on.

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 steep inclines.

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 ⇨ page 65
- immediately after higher speed driving
- in the case of new vehicle running-in
- by active demisting
- in the case of steep ascending or descending slopes

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 electrical 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

Vehicles with automatic transmission

The engine is restarted in the following cases:

- brake pedal released while **D** or **M** is selected
- brake pedal released or **N** selected when selector is moved to select **D** or **M**

- selector is moved to select **R**

Restart of the engine by the stop-start system

Vehicles with manual transmission: The selector lever must be in neutral to enable an automatic restart.
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
- the hood is opened

If an electrical accessory, e.g. a portable CD player, is connected to the power outlet, a brief power drop during the restart might be noticeable.

Steering wheel lock

Remove the key from the ignition switch and turn the steering wheel until it engages.

⚠ Warning

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

⚠ 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

In the event of a malfunction of the key battery, the steering wheel lock remains engaged. Do not try to start the vehicle by pushing it and do not tow it.

Operation in case of failure

Hold the electronic key at the marking on the steering column cover as shown in the illustration.
On vehicles with manual transmission, select neutral gear, operate the clutch pedal, the brake pedal and press **Start/ Stop**.
On vehicles with automatic transmission, set the selector lever to position **P**, operate the brake pedal and press **Start/ Stop**.
This option is intended for emergencies only. Replace the electronic key battery as soon as possible ⇨ page 8
For unlocking or locking the doors, see fault in radio remote control unit or electronic key system ⇨ page 8

Leaving the vehicle

⚠ Warning

Only leave the vehicle with propulsion system off, parking brake applied and depending on transmission first gear engaged or **P** selected.

Parking

⚠ Warning

Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.

- Apply the parking brake.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to position P. On an uphill slope, turn the front wheels away from the kerb.
- If the vehicle is on a downhill slope, engage reverse gear or set the selector lever to position P. Turn the front wheels towards the kerb.
- Close the windows.
- Switch off the engine.
- Remove the ignition key from the ignition switch or switch off ignition on vehicles with power button. Depending on version, turn the steering wheel until the steering wheel lock is felt to engage.
- Lock the vehicle.
- Activate the anti-theft alarm system.
- The engine cooling fans may run after the engine has been switched off ⇨ page 63.

Caution

After running at high engine speeds or with high engine loads, operate the engine briefly at a low load or run in neutral for approx. 30 seconds before switching off, in order to protect the turbocharger.

Note

In the event of an accident with airbag deployment, the engine is switched off automatically if the vehicle comes to a standstill within a certain time.
In countries with extremely low temperatures it may be necessary to park the vehicle without applied parking brake. Make sure to park the vehicle on a level surface.
Parking brake ⇨ page 86

Brakes

Antilock brake system

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 (ABS) ⇨ page 60

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.

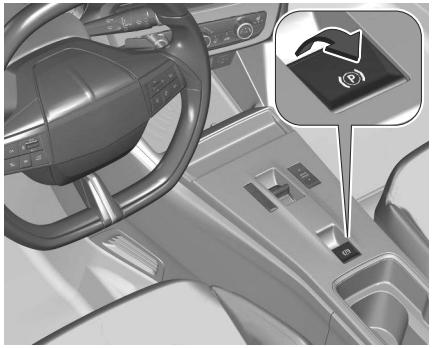
Have the cause of the fault remedied by a workshop.

Parking Brake

⚠ Warning

Before leaving the vehicle, check parking brake status. Control indicator (!) illuminate constantly when electric parking brake is applied.

Electric parking brake



Applying when vehicle is stationary

⚠ Warning

Pull switch Ⓟ for a minimum of one second until control indicator Ⓟ illuminates constantly and electric parking brake is applied. The electric parking brake operates automatically with adequate force. Before leaving the vehicle, check the electric parking brake status.

Control indicator Ⓟ ⇨ page 85.
The electric parking brake can always be activated, even if the ignition is off.

Do not operate electric parking brake system too often without engine running as this will discharge the vehicle battery.

Releasing

Switch on ignition. Keep foot brake pedal depressed and then push switch Ⓟ .

Drive away function

Vehicles with manual transmission: Depressing the clutch pedal and then slightly releasing the clutch pedal and slightly 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 switch Ⓟ is pulled at the same time.
Vehicles with automatic transmission: Engaging **R**, **D** or **M** 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 switch Ⓟ is pulled at the same time.

Braking when vehicle is moving

When the vehicle is moving and the switch Ⓟ is kept pulled, the electric

parking brake system will decelerate the vehicle. As soon as the switch Ⓟ is released, braking will be stopped.
The antilock brake system and the Electronic Stability Control stabilise the vehicle while the switch Ⓟ 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 indicators Ⓟ and , (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 immobilised.

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 the switch Ⓟ
Automatic application:

- The electric parking brake is automatically applied when the vehicle is stationary and the ignition is switched off.
- Ⓟ illuminates on the cluster and a display message pops up to confirm the application.

Automatic release:

Note

The automatic release of the electric parking brake is inhibited as long as the driver's door is open.

- Parking brake releases automatically on driving off.
- Ⓟ 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 the switch Ⓟ to apply the parking brake.
3. Take your foot off the brake pedal.
4. Press the parking brake switch Ⓟ for at least ten seconds and maxium 15 seconds.
5. Release the parking brake switch Ⓟ.
6. Depress and hold the brake pedal.
7. Pull the parking brake switch Ⓟ for two seconds.

The deactivation of the automatic operation of the electric parking brake is confirmed by AUTO Ⓟ OFF illuminating on the cluster. The electric parking brake can only be applied and released manually.
The deactivation of the automatic operation of the electric parking brake is confirmed by AUTO Ⓟ OFF illuminating on the cluster ⇨ page 44. The electric parking brake can only be applied and released manually.
To reactivate the automatic operation, repeat the steps described above.

Fault

Failure mode of electric parking brake is indicated by a control indicator Ⓟ! and by a message displayed on the cluster.
Control indicator Ⓟ flashes: electric parking brake is not fully applied or released. When continuously flashing, release electric parking brake and retry applying.

Brake Assist

If 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 ⇨ page 108

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 electrical energy resulting from engine braking to charge the high voltage battery.
Electric drive unit ⇨ page 88.
Hybrid 48 V vehicle: Regenerative braking generates electrical energy resulting from engine braking to charge the 48 V battery.
Automatic transmission ⇨ page 90

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.
Leaving the vehicle ⇨ page 82

Transmission

Electric Drive Unit

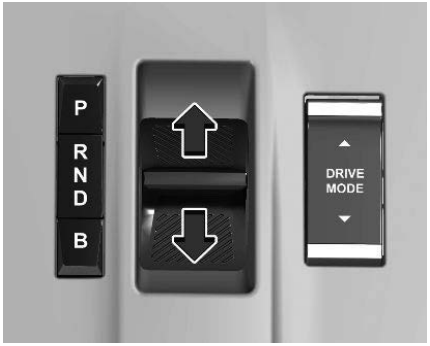
The vehicle uses an electric drive unit with a 1-gear transmission.

Caution

If the vehicle seems to accelerate slowly or not respond when you try to go faster, do not continue your journey. The electric drive unit 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 electric drive unit. If you are stuck, do not spin the tires. When stopping on a hill, use the brakes to hold the vehicle in place.



Move the selector or press the respective buttons.

P park mode

R reverse mode

N neutral mode

D automatic mode

B automatic mode with one-pedal driving

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 2 km/h

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 forwards could damage the electric drive unit. 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.

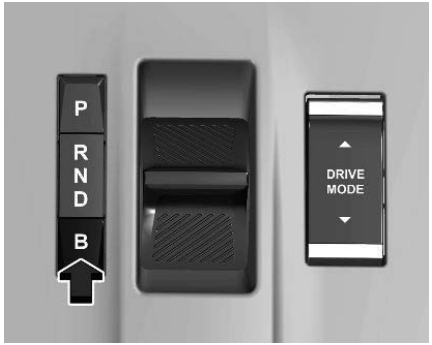
Automatic mode D

This mode is for normal driving.

Automatic Mode B With One-Pedal Driving

In this mode, vehicle speed is significantly reduced by releasing the accelerator pedal, without operating the brake pedal.
Use **B** when driving down steep hills, in deep snow, in mud or in stop-andgo traffic.

⚠ 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.



B can only be activated if **D** is selected.
Press button **B**.
To deactivate **B**, press button **B**.
Regenerative braking ⇨ page 88

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 Within five seconds, depress and hold the brake pedal, switch off ignition and move the selector forwards or backwards.

3 Release the brake pedal and switch on ignition.

4 Depress and hold the brake pedal and push the switch (Ⓟ).

5 Release the brake pedal and switch off ignition.

A message is displayed in the Driver Information Centre 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 select **P**.

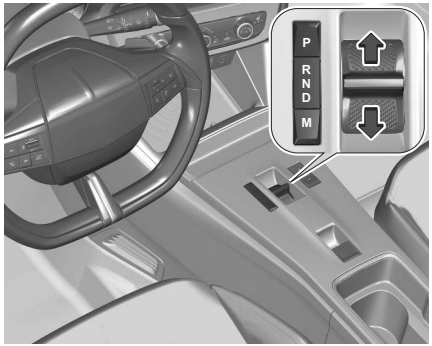
Hybrid 48 V

No free wheeling with the engine switched off.

Automatic Transmission

The automatic transmission permits automatic gearshifting (automatic mode) or manual gearshifting (manual mode).

Gear selector



Move the selector or press the respective buttons.

P park mode

R reverse mode

N neutral mode

D automatic mode

M manual 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 2 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

Note
In slippery conditions, operate the vehicle in D for enhanced riding and handling performance.
This mode is for normal driving.

Manual mode M

In this mode, it is possible to change gears manually using the steering wheel paddles.
Manual mode **M** can only be selected if **D** is engaged.
The selected gear is indicated on the cluster.
If a higher gear is selected when vehicle speed is too low, or a lower gear when vehicle speed is too high, the shift is not executed. This can cause a message on the cluster.
In manual mode, no automatic shifting to a higher gear takes place at high engine revolutions.
Press button **M**.
Pull steering wheel paddles to select gears manually.
Pull right paddle + to shift to a higher gear.
Pull left paddle - to shift to a lower gear.
Multiple pulls allow gears to be skipped.
Press **M** again to return into **D**.

Free wheeling / car wash mode

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.

1. Depress the brake pedal and select **N**.
2. Within five seconds, depress and hold the brake pedal, switch off ignition and move the selector forwards or backwards.
3. Release the brake pedal and switch on ignition.
4. Depress and hold the brake pedal and push the switch Ⓟ.
5. 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 the brake pedal, switch on the engine and select **P.**

Deactivation of the automatic operation of the electric parking brake

For this procedure, refer to the description of the automatic parking brake.
Parking brake ⇨ page 86

Gear shift indication

The symbol ▲ or ▼ with a number beside it is indicated when gearshifting is recommended for fuel saving reasons. Shift indication appears only in manual mode.

Engine braking

Engine braking is only possible in manual mode.
To utilise the engine braking effect, select a lower gear in good time when driving downhill.

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.
Kickdown
Pressing down the accelerator pedal beyond the kickdown detent will lead to maximum acceleration when driving in D or M. The transmission shifts to a lower gear depending on engine speed.

Fault

In the event of a fault, illuminates a message is displayed on the cluster.
Vehicle messages ⇨ page 56.
Electronic transmission control enables only third gear. The transmission no longer shifts automatically.
Do not drive faster than 100 km/h.
Seek the assistance of a workshop.

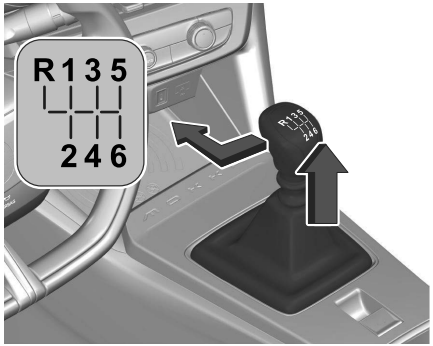
Interruption of power supply

In the event of an interruption of power supply, it is not possible to select another mode when P is engaged.
Towing the vehicle ⇨ page 151.
If the vehicle battery is discharged, start the vehicle using jump leads ⇨ page 150
If the vehicle battery is not the cause of the fault, seek the assistance of a workshop.

Hybrid 48 V Characteristics

The electric engine operates during start and acceleration. Driving propelled by the 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.
The automatic switching off of the ICE can be deactivated by pressing A OFF.
A will illuminate yellow in the instrument cluster.
Reactivate by pressing A OFF again.

Manual Transmission



To engage reverse, depress the clutch pedal, pull the ring under the selector lever and move the selector lever quite to the left and front.
If the gear does not engage, set the selector lever to neutral, release the clutch pedal and depress again. Then repeat gear selection.
Do not slip the clutch unnecessarily.
When operating, depress the clutch pedal completely. Do not use the pedal as a foot rest.
When clutch slip is detected for a specific time, the engine power will be reduced. A warning is displayed in the Driver Information Centre. Release the clutch.

Caution
It is not advisable to drive with the hand resting on the selector lever.

Gear Shift indicator ⇨ page 93
Stop-star system ⇨ page 82

Driving Modes

Following drive modes are selectable:

- **Normal mode**
- **Sport mode**
- **Eco mode**

Each drive mode corresponds to a different vehicle setting.

To select the respective drive mode, use the shown toggle switch.

Normal mode

The settings in this mode are set by default. Everytime the ignition is switched on, this mode is selected.
BEV: To optimise range, electric engine power output is reduced.

Sport mode

The settings in this mode allow more dynamic driving. The vehicle's dynamic parameters can be displayed on the cluster.
BEV: This mode allows maximum electric engine power output.

Eco mode

Reduces fuel consumption by optimising the operation of the heating and air conditioning and, depending on version, the accelerator pedal, the automatic transmission and the gear shifting indicator.
While coasting the vehicle, the engine is idling with reduced engine brake.
BEV: To optimise range, electric engine power output and heating are reduced.
Propulsion types ⇨ page 3

Engine Exhaust

⚠ Danger
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 or , accompanied by a message on the cluster.
Start cleaning process as soon as possible by driving at a vehicle speed of at least 60 km/h.

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 or 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 ⇨ page 94.

⚠ Warning

Fuel grades other than those listed on page could damage the catalytic converter or electronic components. Unburnt petrol 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

Compatibility Of Fuels

Fuel for petrol engines

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.

⚠ Warning

Do not use fuel or fuel additives that contain metallic compounds such as manganese-based additives. This may cause engine damage.

⚠ Warning

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 ⇨ page 175.
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.

Refueling

⚠ Danger

Before refuelling, switch off ignition and any external heaters with combustion chambers.

Follow the operating and safety instructions of the filling station when refuelling.

⚠ Danger

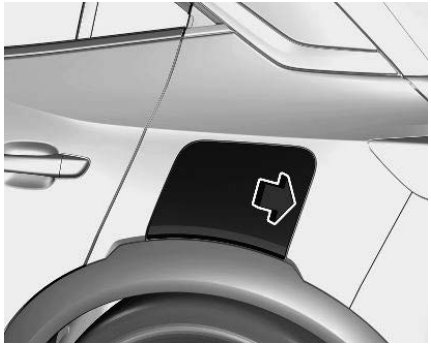
Fuel is flammable and explosive.
No smoking. No naked flames or sparks.
If you can smell fuel in your vehicle, have the cause of this remedied immediately by a workshop.

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.

⚠ Warning

In case of misfuelling, do not switch on ignition.

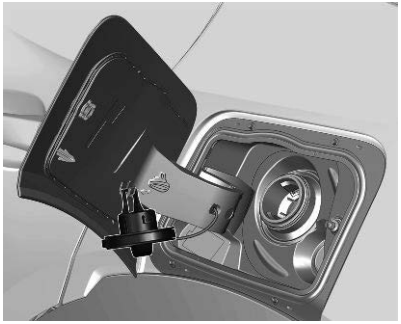
Fuel filler flap is located at left rear side of vehicle.



The fuel filler flap can only be opened if the vehicle is unlocked. Release the fuel filler flap by pushing the flap.

Petrol refuelling

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 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.

To close, turn the fuel filler cap clockwise until it clicks.
Close the flap and allow it to engage.

Fuel filler cap

Only use genuine fuel filler caps.

Fuel Consumption And CO_2 Emissions

The fuel consumption (combined) is within a range of 6.6 to 4.3 l/100 km.
The CO_2 emission is within a range of 148 to 113 g/km.

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_2 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_2 emission levels and a lower maximum speed.

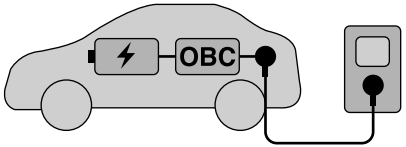
Charging

General Information

⚠ 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.

Charging the vehicle's high voltage battery depends upon several factors:



- high voltage battery of the vehicle
- internal onboard charger (OBC)
- external charging device
- charging cable

The charging cable connects the vehicle's high voltage battery with an external charging device providing electric power. This may be a domestic electrical outlet, a Green'Up outlet, a wall box or a public charging station.
The high voltage battery can be charged with direct current (DC) only.
When charging from a domestic electrical outlet, a wall box or an alternating current (AC) charging station, AC has to be converted into DC. This is done by the vehicle's onboard charger.
PHEV: The onboard charger (singlephase) is available with 3.7 kW or 7.4 kW.
BEV: The onboard charger (3-phase) is available with 11 kW.
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.
Note
Make sure that the charging cable used fits to the vehicle's onboard charger.
Charging types ⇨ page 98
Charging cable ⇨ page 99

⚠ Warning

In case of impact, even light, against the charging flap, do not use it.
Do not dismantle or modify the charging connector - risk of electrocution and/or fire!
Contact an Opel dealer or a qualified workshop.

Electric power consumption and range

The electric power consumption (combined under WLTP condition) is within a range of 15.8 to 15.2 kWh/ 100 km.
The all electric range is up to 342 km (BEV) or 407 km (BEV with long range). 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).

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.

80% charging level limitation ⇨ page 104.

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 Types

There are different types of charging the vehicle's high voltage battery.
Charging times refer to charging an empty battery until it is completely charged.

Charging at wall boxes / AC charging stations

A wallbox / AC charging station may or may not provide a charging cable which has to be connected to the vehicle's charging port.

BEV: Charging time takes approx. five hours with the 11 kW onboard charger.

Charging at DC charging stations

Up to approx. 80% of battery capacity may be charged in approx. 30 minutes at a charging power of 100 kW.

Charging at Green'Up outlets

The high voltage battery can be charged at a Green'Up outlet. Connect the charging cable to the vehicle's charging port and to the Green'Up outlet.

Charging at domestic electrical outlets

The 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.
BEV: Charging time takes approx. 30 hours.

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.

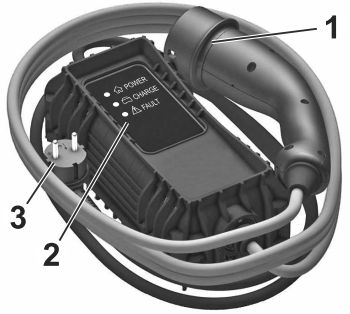
⚠ Warning

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 intergrated charge controller and several LEDs indicating the charging status.
Enhanced domestic cables (mode 2) are similar to basic domestic cables (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 heavyduty 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.

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, a label is used. The label is 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.

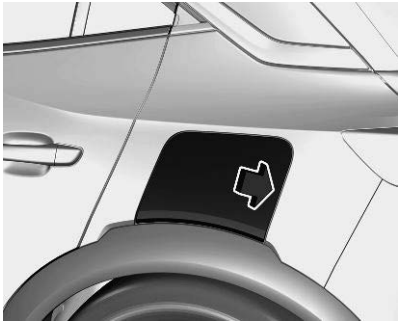
⚠ Warning

The engine does not start if the charging cable is connected to the vehicle. A warning is displayed in the cluster.
During the charging process, unlocking the vehicle will interrupt charging. If no action is taken on tailgate, the doors or the charging nozzle, the vehicle will lock again after 30 seconds and charging will resume automatically.
Do not work in the engine compartment. Some areas remain very hot, even an hour after charging and the fan may start at any time.

⚠ Warning

Make sure that the charging port flap is closed.
Do not leave the charging cable connected to the domestic electrical outlet.

1 Shift into **P** and switch off the vehicle.

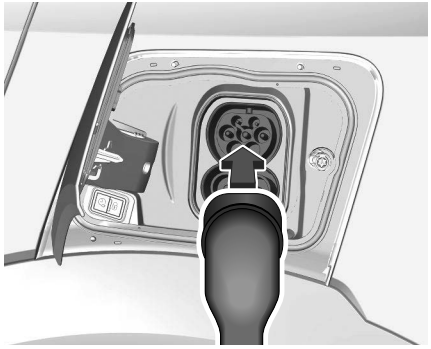


2 Push the charging port flap to release it.

3 If necessary, take the charging cable out of the load compartment.

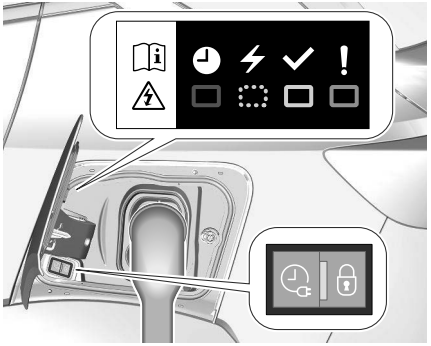
4 If necessary, plug in the plug of the charging cable into the corresponding port of the external power source.

5 If necessary, remove the protective cover from the vehicle plug of the charging cable.

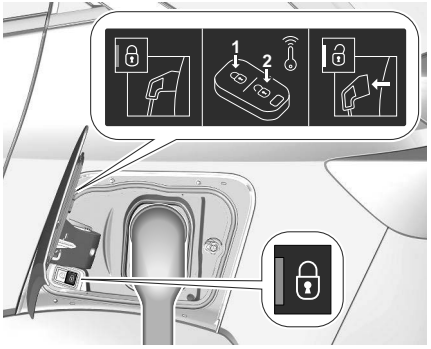


6 Plug in the vehicle plug of the charging cable into the charging port of the vehicle.

Charging Status ⇨ page 104



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. indicator illuminates.

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.

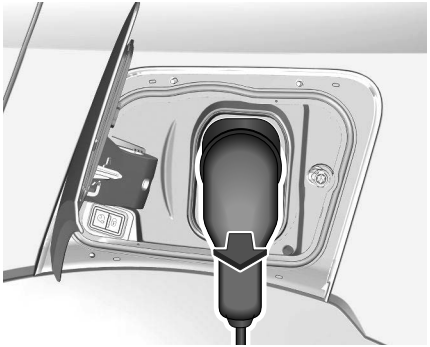
Press on the remote control to cancel the charging process at any time.

Press twice to cancel the charging process at any time if the function driver's door only is activated in the vehicle personalisation.

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.

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 Information 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.

Note

On vehicles without integrated navigation system, programmable charging can only be used via the MyOpel App.

1 Press ⌂

2 Touch ⚡

3 Select Charging

4 Touch 🕒

5 Define the number of hours and minutes after which the charging process starts.

6 Touch OK.

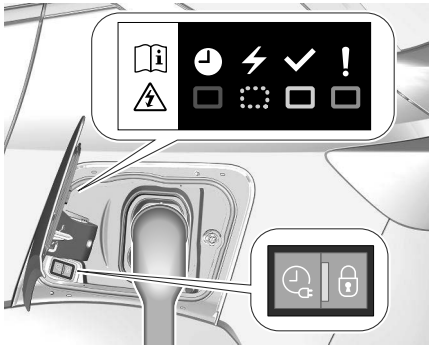
7 Plug in the vehicle.

8 Within one minute, press 🕒 to activate programmable charging.

9 Depending on version, lock the vehicle.

The status indicator illuminates blue indicating that programmable charging is active.
Charging ⇨ page 96.
Charging status ⇨ page 104.

Charging Status



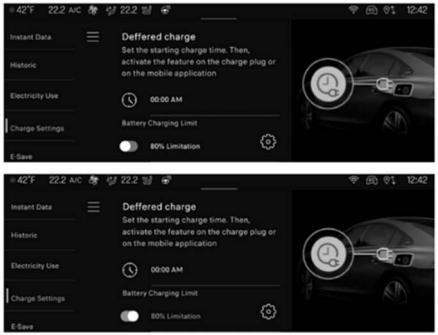
If the vehicle is plugged in and the ignition is switched off, the charging status indicator indicates the following:

- Illuminates white: welcome lighting when charging port flap is opened
- Illuminates green: charging complete
- Flashes green: charging high voltage battery in process, charging external devices 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 ⇨ page 99.
Programmable charging ⇨ page 103.

80% Charging Level Limitation

This feature aims to preserve battery life. It can be activated for charging the high voltage battery at a domestic electrical outlet, a wallbox or an AC charging station.



The limitation of 80% charging level can be set in the charging menu in the Information Display.
When activated, the charging will stop automatically when a charging level of 80% is met. A status message will be displayed on the cluster.

Vehicle Loading

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 ⇨ page 47. 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.
- 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 thecluster, 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 ⇨ page 172.) 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 cross-winds 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.

Roof Bars

For safety reasons and to avoid damage to the roof, the vehicle approved roof rack system is recommended. For further information, contact your workshop.

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.
Remove the roof rack when not in use.

Trailer Towing

Trailer hitch

Caution
For new vehicles, only tow a trailer after having driven at least 1000 km.

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.
Trailers equipped with LED lights are not suitable for the wiring harness of this trailer hitch.
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.

Driving characteristics and towing tips

Before attaching a trailer, lubricate the coupling ball. However, do not do so if a stabiliser, 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. Adjust tire pressure to the value specified for full load.

Trailer Loads

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 gradients up to 12%.
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 ⇨ page 172.

Vertical coupling load

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 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.

Trailer Stability Assist

If the system detects snaking movements, engine power is reduced and the vehicle / trailer combination is selectively braked until the snaking ceases. While system is working keep steering wheel as still as possible. The system operates from 60 km/h to 160 km/h.

⚠ Warning
In some situations, the system may not detect trailer snaking, e.g. when towing a light trailer. On slippery or poor surfaces, the system may not be able to prevent sudden trailer snaking.

Advanced Driving Assistance Systems

Driving Recommendations / Maneuvering Aids

⚠ 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.

Note

To comply with the European general safety regulations, some driver assistance systems can only be deactivated on the Information Display until the next time the ignition is

reactivated. The system is automatically activated by default every time the engine is started.

Collision Avoidance Assistance System

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, radar sensor) 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/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 ⇨ page 108
The system can be activated or deactivated on the Information Display via the vehicle settings  .
Information Display ⇨ page 70
Depending on version, deactivation is only possible at a standstill.
Forward collision warning (FCW) ⇨ page 112.

If deactivated,  illuminates and a message is shown on the cluster

Functionality

Depending on the vehicle configuration and the detected objects, there are several operational speed ranges.
Active emergency braking operates up to 80 km/h when a pedestrian or a cyclist has been detected.
Active emergency braking operates from 5 to 140 km/h, when a moving vehicle has been detected.
The system includes:

- forward collision warning
- emergency brake assist
- automatic braking

Forward collision warning (FCW) ⇨ page 112.

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.

Depending on version, below a speed of 30 km/h or 50 km/h, automatic braking may slow down the vehicle to a complete stop. If the speed exceeds this limit, automatic braking reduces the speed. 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 belts of the front seats and depending on version of the rear seats are 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:

- sensor covered with snow, ice, slush, mud or dirt
- windscreen damaged or smeared, with blurred view or covered with foreign items, e.g. stickers
- damaged or deformed front bumper or front bumper covered with foreign items, e.g. stickers
- radar unit is out of its regular position resulting from an impact of the front bumper
- 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 front bumper has been damaged or deformed
- if the radar unit is out of its regular position resulting from an impact of the front bumper
- if the brake lights are not working

Fault

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

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

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 up to 80 km/h when a pedestrian or a cyclist has been detected.
Forward collision warning operates from 5 km/h to 140 km/h when a vehicle has been detected.

Alerting the driver

The driver is warned by following alerts:

- Level 1: A warning message is displayed on the cluster, when the distance to the vehicle ahead gets too small.
- Level 2: A warning message is displayed on the cluster and a warning chime sounds, when a collision is imminent and immediate driver's action is required.
- Level 3: Depending on version, the vehicle may produce a short brake jerk to confirm the risk of collision. The immediate driver's action is required.

⚠ Warning

When approaching a vehicle ahead too rapidly, a level 2 alert may be displayed without a level 1 alert before.
Level 1 alerts depend on the alert sensitivity set. This alert type is only displayed in case of moving vehicles. At lower speed it is disabled.

Caution

The colour lighting of this control indicator 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.

Selecting the alert sensitivity

Note
If the alert sensitivity setting with the longest distance is set, the system warns earlier. This increases the safety, but increases the amount of alerts if the legal safety distance is not kept. To reduce the number of alerts, select a shorter alert sensitivity setting.
Three alert sensitivities can be selected in the driver assistance systems menu.
Vehicle personalisation ⇨ page 75
The chosen setting will be memorized when the ignition has been switched off.
The alert sensitivity will vary based on selected alert setting.

Deactivation

The system can only be deactivated by deactivating the active emergency braking in the vehicle settings  on the Information Display.
Information Display ⇨ page 70

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:

- driving on winding or hilly roads
- driving during nighttime
- weather limits visibility, such as fog, rain, or snow
- the sensor in the windscreen is blocked by snow, ice, slush, mud, dirt etc.
- the windscreen is damaged or affected by foreign objects, e.g. stickers

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 (tyres and rims), braking and electronic components, as well as the assembly and repair procedures provided by dealers.
In order to ensure that these systems remain effective in wintry conditions, the use of snow or all-season tyres is recommended. All four wheels must be fitted with tyres approved for your vehicle.
All tyre specifications are listed on the tyre/paint label. For more information on **Identification markings**, refer to the corresponding section.

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 ASR system is a component of the ESC.
The 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 ASR system are operational after each engine start as soon as the control indicator extinguishes.

When ESC and 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.

Control indicator ⇨ page 56
ESC and ASR system can be deactivated in the vehicle personalization in the Information Display, accessing the menu with .
A status message appears in the cluster when ESC and ASR system are deactivated.
ESC and ASR system can be reactivated in the vehicle personalization on the cluster, by applying the brake or in the case that the vehicle is driven faster than 50 km/h.

in the cluster extinguishes when ESC and ASR system are reactivated. ESC and 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 on the cluster. The system is not operational.
Have the cause of the fault remedied by a workshop.

Selective ride control

Selective ride control is designed to optimise traction in low-grip conditions (snow, mud and sand).
It adapts to the terrain by acting on the front wheels. In doing so this saves the weight normally associated with a more conventional four wheel drive system.
Selective ride control allows to choose between five driving modes by turning the control:

- ESC off mode
- standard mode
- snow mode
- mud mode
- sand mode

An LED illuminates and a status message appears on the cluster to confirm the chosen mode.

ESC off mode

The ESC and ASR are deactivated in this mode.
ESC and ASR are reactivated automatically from 50 km/h or if the ignition is switched on.

Standard mode

This mode is calibrated for a low level of wheel spin, based on the different types of grip generally encountered in normal day to day driving.
Everytime the ignition is switched off, the system is automatically reset to this mode.

Snow mode

This mode adapts to the grip conditions encountered by each wheel when starting.
When advancing, the system optimises wheel spin to guarantee the best acceleration based on the available traction. Recommended in cases of deep snow and steep inclines.
This mode is active up to a speed of 50 km/h.

Mud mode

This mode allows considerable wheel spin at start-up for the wheel with the least grip, this removes mud and reestablishes traction.
Simultaneously, the wheel with the most grip is provided with the most torque possible.
This mode is active up to a speed of 80 km/h.

Sand mode

This mode allows a small amount of simultaneous wheel spin on the two drive wheels, enabling the vehicle to advance and reduce the risk of sinking.
This mode is active up to a speed of 120 km/h.

Caution
Do not use the other modes on sand as the vehicle may become stuck.

Sport mode

Sport mode adapts the settings of some vehicle systems to a sportier driving style.

Activation

The system can be activated in the vehicle personalization in the Information Display, accessing the menu with  .

Deactivation

The system can be deactivated in the vehicle personalization in the Information Display, accessing the menu with  .

Visibility Assistance Systems

Side Blind Spot Alert (SBSA)

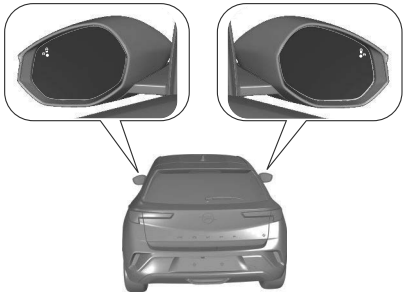
The side blind spot alert assist helps to avoid crashes due to unintentional lane departures when an object is detected within a specified blind spot zone. The system displays a visual alert in each exterior mirror, when detecting objects that may not be visible in the interior and exterior mirrors. Side blind spot alert uses some of the advanced parking assist sensors which are located in the front and rear bumper on both sides of the vehicle.

⚠ 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 shoulder, and use the turn signal before changing lanes.

Activation

The system can be activated in the vehicle settings menu on the 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
- 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 lamps, 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 customization menu 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, the indicator appears on the cluster, accompanied by a display message.
Seek the assistance of a workshop.

Lane Centering Assistance Systems

Lane Departure Warning (LDW)

The lane departure warning system 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 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 recognises an unintended lane departure, the control indicator rapidly flashes yellow.

⚠ Warning

This system is a driving aid that cannot, in any circumstances, replace the need for vigilance on the part of the driver.

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 boundaries can be clearly detected by the system
- the vehicle is not driven in a tight corner
- no system fault is present which prevents corrections

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: ⇨ page 108

If the system is activated, on the cluster is not illuminated. The system can be activated in the vehicle personalization in the Information Display, accessing the menu with .

Deactivation

The system can be deactivated in the vehicle personalization in the Information Display, accessing the menu with . LDW shall be deactivated by the driver when the vehicle is being towed.

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
- 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 lane markings

Fault

If the system has a fault, and 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.
If the audible warning system does not work properly or is not available, illuminates on the cluster and a message is displayed. Consult a workshop.

Lane Keeping Assist (LKA)

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 steering wheel in same direction, if the system does not steer sufficiently.
Turn steering wheel gently into opposite direction, if 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 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.
When hands-off driving is detected during a correction a warning message appears on the cluster, accompanied by a warning chime. Every further hands-off detection prolongs the warning chime duration.
A lane departure warning on the cluster alerts when the system cannot hold the vehicle within the lane and immediate driver´s action is required.

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 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 bounderies 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 used, Electronic Stability Control is not activated or e.g. a trailer is attached.
Lane departure warning ⇨ page 117

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: ⇨ page 108.

If the system is activated, in the cluster is not illuminated. The system can be activated in the vehicle personalization in the Information Display, accessing the menu with .

Deactivation

The system can be deactivated in the vehicle personalization in the Information Display, accessing the menu with . LKA shall be deactivated by the driver when the vehicle is being towed.

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
- 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

A warning message may appear when the vehicle is travelling in a long straight lane on a smooth road surface even if the driver is holding the steering wheel properly.

Deactivate the system if the system is disturbed by tar marks, shadows, road cracks, temporary or construction lane markings, or other road imperfections.

⚠ Warning

Always keep your attention on the road and maintain proper vehicle position within the lane, otherwise vehicle damage, injury or death could occur.
The system may not keep the vehicle in the lane or give an alert, even if a lane marking is detected.
The steering of the system may not be sufficient to avoid a lane departure.
The system may not detect handsoff driving due to external influences (road condition and surface, weather etc).
The driver has full responsibility to control the vehicle and is always required to keep the hands on the steering wheel while driving.
Using the system on slippery roads could cause loss of control of the vehicle and a crash. Switch the system off.

Unavailability After Battery Disconnection

Lane Keeping Assist can be temporarily unavailable or inactive when the power supply of the vehicle is reconnected again.

Fault

If the system has a fault, and illuminate in the cluster, a message is displayed and an audible signal is given. Consult a workshop.

illuminates in 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.

If the audible warning system does not work properly or is not available, illuminates on the cluster and a message is displayed. Consult a workshop.

Advanced Lane Keeping Assist

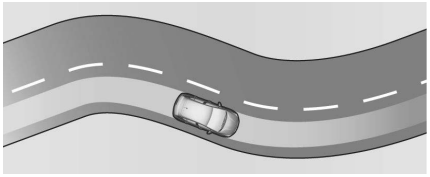
⚠ Warning

The system assists the driver in managing the steering, acceleration and braking within the limits of the laws of physics and the capabilities of the vehicle.

Some road infrastructure elements or vehicles present on the road may not be properly seen or may be poorly interpreted by the camera and radar, which may lead to an unexpected change in direction, a lack of steering correction and/or inappropriate management of the acceleration or braking.

The activated system observes the lane markings by using the camera located at the top of the windscreen.

It steers the vehicle inside the detected lane. The driver will notice a turning movement of the steering wheel.



Thus, the current position of the vehicle within the lane is kept.

When the vehicle is steered by the system, illuminates green on the cluster.

However, the control of the vehicle can be taken over at any time by the driver. Therefore, the driver needs to apply some additional force when turning the steering wheel.

If the system detects that the driver is not holding the steering wheel firmly enough, it triggers a series of gradual alerts. If the interruption takes too long, the system will be deactivated.

extinguishes on the cluster. The system has to be reactivated again by the driver.

Adaptive cruise control ⇨ page 131

Required precondition

- Adaptive cruise control must be activated.
- The driver must hold the steering wheel.
- 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 is detected, 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.

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: ⇨ page 108.

If the system is activated, on the cluster is not illuminated. The system can be activated in the vehicle personalization in the Information Display, accessing the menu with .

Deactivation

The system can be deactivated in the vehicle personalization in the Information Display, accessing the menu with . The state of the system is memorized when switching off the ignition.

Pausing / suspending the system

Advanced lane keeping assist may be paused or suspended in the following situations:
The Electronic Stability Control is in operation or it has been deactivated.

- At least one of the lane markings is not detected by the system for several seconds. The system will be reactivated once the operating conditions are regained.
- The driver activates the turn lights and turns the steering wheel.
- Driving outside the lane limits.
- The steering wheel is held too tight or moved too dynamically.
- The brake pedal or the accelerator pedal are applied.
- The adaptive cruise control is paused.
- The road is too narrow or wide.
- The lateral acceleration in curves is too high.

illuminates grey on the cluster.

System limitation

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
- 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 lane markings

A warning message may appear when the vehicle is travelling in a long straight lane on a smooth road surface even if the driver is holding the steering wheel properly.
Deactivate the system if the system is disturbed by tar marks, shadows, road cracks, temporary or construction lane markings, or other road imperfections.

⚠ Warning

Always keep your attention on the road and maintain proper vehicle position within the lane, otherwise vehicle damage, injury or death could occur.
The system may not keep the vehicle in the lane or give an alert, even if a lane marking is detected.
The steering of the system may not be sufficient to avoid a lane departure.
The system may not detect handsoff driving due to external influences (road condition and surface, weather etc).
The driver has full responsibility to

control the vehicle and is always required to keep the hands on the steering wheel while driving.
Using the system on slippery roads could cause loss of control of the vehicle and a crash. Switch the system off.

Fault

If the event of a fault, and appear yellow on the cluster, accompanied by a display message and a warning chime. Seek the assistance of a workshop.
If the audible warning system does not work properly or is not available, illuminates on the cluster and a message is displayed. Consult a workshop.

Parking and Reverse Operations Assistance System

Parking Assist

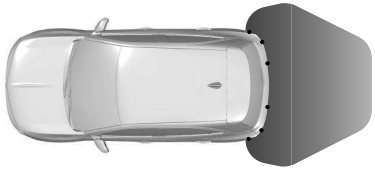
General information
The rear system is deactivated when a plug is connected to the power outlet of the trailer hitch.

⚠ 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.

Rear Parking Assist

The system warns the driver with audible signals and a display indication against potentially hazardous obstacles behind the vehicle while the reverse gear is engaged.



The system operates with ultrasonic parking sensors in the rear bumper.

Activation

After engaging the reverse gear, an audible signal is given from the rear speakers 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

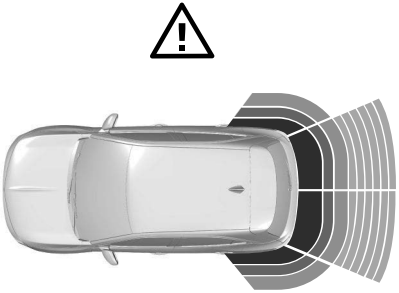
The system is switched off when reverse gear is disengaged.

Indication

As soon as an obstacle gets closer to the vehicle, an audible signal is given and the symbol P may flash. The interval between the sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than approx. 30 cm, the sound is continuous.
If the vehicle stops for more than three seconds, if the automatic transmission is in **P** position, or if no further obstacles are detected, no audible signals are given.

Note

An audible signal is not given if the sound has been muted or if the display of the rear view camera indicated on the Information Display has been switched off.



Additionally, the distance to rear obstacles is displayed by changing distance lines in the Information Display ⇨ page 70.

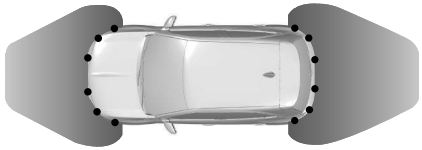
When the obstacle is very close, ⚠ for danger is displayed.

Muting the sound / closing the display indication

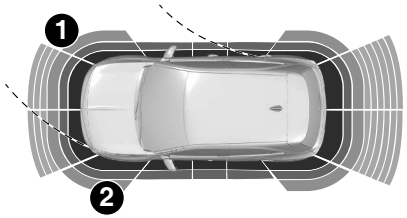
If the audible signal is muted or the display of the rear view camera is closed and an obstacle gets closer, only the P)) flashes.
When engaging the forward gear and driving more than 10 km/h the sound and the display are automatically resumed.

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.



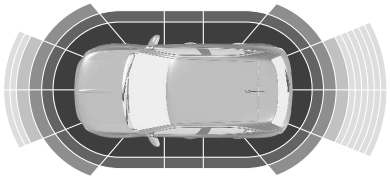
The system operates with ultrasonic parking sensors in the rear and front bumper.



If the obstacle (1) is within the driving path and might lead to a collision, an audible signal is given.
The interval between the sounds becomes shorter as the vehicle gets closer to the obstacle in the driving path. When the distance is less than approx. 30 cm, the sound is continuous.
Obstacles (2) that are close to the vehicle, but not within the calculated driving path are indicated in the Information Display, but no audible signal is given.
The distance to rear, front and lateral obstacles is displayed by changing distance lines in the Information Display ⇨ page 70.
If the vehicle stops for more than three seconds in a forward gear, if the automatic transmission is in **P** position,

the vehicle speed exceeds 10 km/h or if no further obstacles are detected, no audible signals are given and no visual feedback is displayed in the Information Display.

Side Protection



This function warns the driver by display indication in the case of obstacles alongside the vehicle. If the obstacle is alongside the vehicle and within the driving path and might lead to a collision, an **audible signal** is given. Obstacles alongside the vehicle are only considered if they have been previously recognised by the parking sensors and memorised by the system.

> ⚠ **Warning**
>
> Only fixed obstacles are indicated correctly.
> Moving obstacles detected at the beginning of a manoeuvre may be indicated mistakenly.
> Moving obstacles that appear alongside the vehicle and were not previously recognised by the parking sensors will not be indicated.

Objects memorised during the manoeuvre will only be considered during the current ignition cycle.

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 10 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 from the rear speakers 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 system is switched off when reverse gear is disengaged.

Indication

As soon as an obstacle gets closer to the vehicle, an audible signal is given and P)) may flash. The interval between the sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than approx. 30 cm, the sound is continuous.
Audible signals are given via front or rear loudspeakers depending on where the closest obstacle is detected.

Note

An audible signal is not given if the sound has been muted or if thedisplay of the rear view camera indicated on the Information Display has been switched off
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 ⇨ page 70.

When the obstacle is very close, ⚠ for danger is displayed.

Muting the sound / closing the display indication

If the vehicle has no radio or Information Display and an obstacle gets closer, only the P)) flashes.
When engaging the forward gear and driving more than 10 km/h the sound and the display are automatically resumed.

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)) 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.

⚠ 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.

Caution

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 loudspeaker failure, the audible signals may not be given.
Performance of the system can be reduced when sensors are covered, e.g. by ice or snow.

If a sensor is covered, P)) illuminates and a message is displayed indicating that the sensors have to be cleaned.
Performance of the parking assist system may be limited or the functionality may not be available at all

if 🔧 and P)) illuminate or if the image shown on the Information Display is frozen or if the screen is black.
Performance of the parking assist system can be reduced due to heavy loading.

Caution

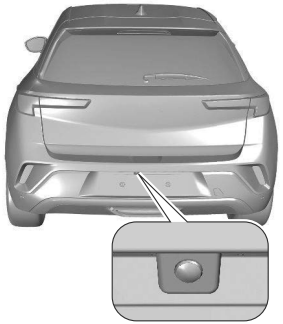
Special conditions apply if there are taller vehicles in the vicinity (e.g. off-road vehicles, mini vans, vans). Object identification and correct distance indication in the upper part of these vehicles cannot be guaranteed.
Objects with a very small reflection cross-section, e.g. objects of narrow size 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.

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:

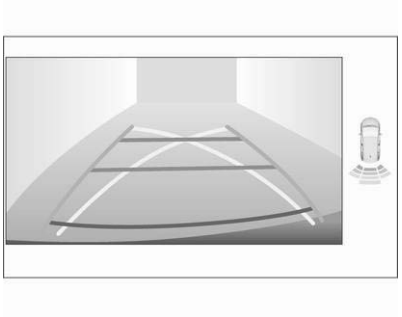
- right side: there is a fixed menu and a representation of the vehicle
- middle part: part consists of a standard view
- left side: there are the volume settings of the radio

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.
The first horizontal line represents a distance of about 30 cm beyond the edge of vehicle's rear bumper. The upper horizontal lines represent distances of about 1 m and 2 m.

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
- 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

The Driver's Attention Assistance System monitores 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.
The system cannot replace the need for vigilance on the part of the driver.
Taking a break is recommended as soon as feeling tired or at least every two hours. Do not drive when feeling tired.

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: ⇨ page 108
The system can be activated or deactivated on the Information Display via the vehicle settings  .
Information Display ⇨ page 70
When the system is deactivated  may illuminate on the cluster.

Driving Time Alert

The driver gets notified by a pop-up reminder symbol  on the cluster simultaneously with an acoustic alert if the driver has not taken a break after two hours of driving at a speed above 65 km/h. The alert is repeated hourly until the vehicle is stopped, no matter how vehicle speed evolves.
The counting of driving time alert is reset when the ignition has been switched off for a few minutes or the driver's seat belt has been unfastened and the driver's door has been opened.

Driver Drowsiness And Distraction Detection (DDD)

Depending on version the system uses different cameras to monitor the driver's level of vigilance:

- a front view camera outside the vehicle at the top of the windscreen
- a driver monitoring camera inside the vehicle on the driver side next to the windscreen facing the driver

⚠ Warning

To avoid risk of eye damage: Do not sit closer than 25 cm to the steering wheel.

Driver Drowsiness Detection With Front View Camera

The system monitors the driver's level of vigilance at speeds above 65 km/h.
The system may perform a learning procedure for up to 30 minutes after the start of the monitoring. During this period, the driver's individual driving behaviour is analysed and no alert is given. The camera detects variations in trajectory compared to the lane markings.
If the trajectory of the vehicle suggests a certain level of drowsiness or inattention by the driver, an alert is triggered.
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.

Alerting the driver

The driver is alerted by a message, illuminates and an audible signal is given. After three first level alerts, the system triggers a new alert with a message, accompanied by a more pronounced audible signal and .

Driver drowsiness and distraction detection with driver monitoring camera

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.

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 speed remains below 65 km/h 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 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

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%

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 accompanied by a message indicating that the driver's face was not detected by the driver monitoring camera due to e.g. sunglasses.

Hill Start Assist (HSA)

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.

Speed Control Assistance (SSC)

The speed limiter prevents the vehicle from exceeding a preset maximum speed.
The maximum speed can be set at speeds above 30 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.

Cruise Control

The cruise control can store and maintain speeds above 40 km/h.
Additionally, at least the third gear must be engaged on some manual transmissions. On automatic transmission, position **D** or the second or a higher gear in position **M** must be selected.
Deviations from the stored speeds may occur when driving uphill or downhill.
The system maintains the vehicle speed at the preset speed by the driver, without any action on the accelerator pedal.
The preset speed can be exceeded temporarily by pressing the accelerator pedal firmly.
The status and preset speed is displayed on the cluster.
Do not use the cruise control if it is not advisable to maintain a constant speed.

Switching on the system

Press

ASSIST

once to activate the Cruise Control function.

Activation of the functionality

Setting speed by the driver

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.
The function can be activated or deactivated in the vehicle personalisation ⇨ page 70.
Traffic sign assistant ⇨ page 136

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 ⏸▷ 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 limit speed

Press cruise control + or - buttons.

Switching off the system

Press ASSIST : the cruise control mode is deselected and the cruise control indication extinguishes on the cluster.

Pressing **LIMIT** two times to activate the speed limiter deactivates the cruise control.
Switching off the ignition cancels any memorized speed value.

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 a message is displayed.
The vehicle is driven without cruise control.
Cruise control is deactivated, but not switched off. Last stored 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
- TheAnti-Slip Regulator (ASR) system or Electronic Stability Control is operating
- The selector lever is in **N**

Resume Memorized speed

Press cruise control + or - buttons.

Switching off the system

Press ASSIST : the cruise control mode is deselected and the cruise control indication extinguishes on the cluster.
Pressing **LIMIT** two times to activate 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.
Traffic sign assist ⇨ page 136

Adaptive Cruise Control (ACC)

The adaptive cruise control is an enhancement of the cruise control with the additional feature of maintaining a certain following distance to the vehicle ahead.

It uses a camera located at the top of the windscreen and a radar unit located in the front bumper to detect the vehicles ahead. If no vehicle is detected in the driving path, the adaptive cruise control behaves like a conventional cruise control.
The adaptive cruise control automatically decelerates the vehicle when approaching a slower moving vehicle. It then adjusts the vehicle speed to follow the vehicle ahead at the selected following distance. The vehicle speed increases or decreases to follow the vehicle ahead, but will not exceed the set speed. It may apply limited braking with activated brake lights.
If the vehicle ahead accelerates or changes lane, the adaptive cruise control progressively accelerates the vehicle to return to the stored set speed. If the driver operates the turn lights to overtake a slower vehicle, the adaptive cruise control allows the vehicle to temporarily approach the vehicle ahead to help

passing it. However, the set speed will never be exceeded.
If the vehicle ahead is moving too slowly and the selected following distance cannot be maintained anymore, a warning chime is given and a message is displayed. The message prompts the driver to take back control of the vehicle. The system can brake the vehicle until a full stop. Depending on version, the system can automatically accelerate the vehicle after a full stop.

⚠ Warning

The brake lamps come on if the vehicle is slowed down by active emergency braking. If the brake lights fail, the system does not operate.

Switching on the system

ASSIST Selection/Deselection of cruise control only or Drive Assist Plus (depending on version)

Switch on/Pause cruise control at the previously saved speed setting Confirmation of vehicle restart after automatic stop (version with Stop & Go function)

Increase the speed setting (if cruise control activated) Activation of cruise control in progress (if cruise control deactivated)

Decrease the speed setting (if cruise control activated) Activation of cruise control in progress (if cruise control deactivated)

LIMIT Activation of cruise control in progress
Use the speed suggested by the Road signs recognition function

Display and configuration of the inter-vehicle distance setting

The function can be activated or deactivated in the vehicle personalisation ⇨ page 75.
Traffic sign assistant ⇨ page 136

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 stored speed. If a slower moving vehicle is ahead, the following distance selected by the driver is restored.
While the set speed is exceeded, the set speed flashes on the adaptive cruise control screen.

⚠ Warning

Accelerating by the driver deactivates automatic braking by the system. This is indicated as a pop-up warning on the cluster.

Resuming stored speed

Press ▶❙❙ or **OK** to reactivate the adaptive cruise control at the stored speed.

Adaptive cruise control on vehicles with automatic transmission

For vehicles with automatic transmission, adaptive cruise control allows to maintain the selected distance behind a braking vehicle until a complete stop is reached. If the system has stopped your vehicle behind another vehicle, then the set

speed is replaced by a green control indicator Ⓐ. This symbol notifies, that the vehicle is hold automatically in stop position.
When the vehicle ahead drives away within some seconds and the traffic conditions allow a restart of the vehicle, then active cruise control is resumed automatically.
If the stopped vehicle ahead was stopped for a longer time and then begins to move forward, the green control indicator Ⓐ will flash and a warning chime will sound as a reminder to check traffic before resuming.
When the vehicle ahead drives away, depress the accelerator pedal or press i to resume adaptive cruise control.
If the vehicle stays stopped for more than five minutes or if the driver's door is opened and the driver's seat belt is unfastened, then the electric parking brake is applied automatically to hold the vehicle. Control indicator Ⓟ will illuminate. To release electric parking brake, press the accelerator pedal.
Electric parking brake ⇨ page 86

⚠ Warning

When the system is deactivated or cancelled, the vehicle will no longer be held at a stop and can start moving. Be always prepared to manually apply the brake to hold the vehicle stationary.
Do not leave the vehicle while it is being held at a stop by adaptive cruise control. Always move selector lever to park position P and switch off the ignition before leaving the vehicle.

Setting the following distance

When adaptive cruise control detects a slower moving vehicle in the driving path, it will adjust the vehicle speed to maintain the following distance selected by the driver.
The following distance can be set to close (1 bar), normal (2 bars) or far (3 bars).
If the engine is running and the adaptive cruise control is enabled (grey) or active (green), you can modify the following distance setting:
The distance can be set in the vehicle personalization ⇨ page 75.
The selected following distance is indicated by full bars in the adaptive cruise control page.

⚠ Warning

The driver accepts full responsibility for the appropriate following distance based on traffic, weather and visibility conditions.
Following distance must be adjusted or the system switched off when required by the prevailing conditions.

Detecting the vehicle ahead

If the system detects a vehicle in the driving path, the adaptive cruise control symbol displayed on the cluster changes from  to  .

Deactivation of the functionality

Press II ▷.
The adaptive cruise control is deactivated, but not disabled. The last stored set speed remains in memory for later usage.
The adaptive cruise control is deactivated automatically in the following cases:

- brake pedal depressed
- Anti-Slip Regulator (ASR) system or electronic stability control is operating
- reverse gear engaged, N selected
- electric parking brake engaged
- seat belt unfastened
- driver's door opened

Switching off the system

Press ASSIST successively until the desired mode to switch off assistance is selected.

Driver's attention

- Use the adaptive cruise control carefully on bends or mountain roads, as it can lose the vehicle ahead and needs time to detect it again.
- Do not use the system on slippery roads as it can create rapid changes in tire traction (wheel spinning), so that you could lose control of the vehicle.
- Do not use the adaptive cruise control during rain, snow or heavy dirt, as the radar sensor can be covered by a water film, dust, ice or snow. This reduces or suppresses completely the visibility. In case of sensor blockage, clean the sensor cover.
- Do not use the system when the spare wheel is in use.

System limits

⚠ Warning

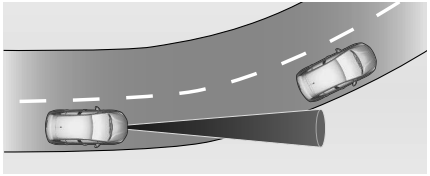
The system's automatic brake force does not permit hard braking and the braking level may not be sufficient to avoid a collision.

- After a sudden lane change, the system needs a certain time to detect the next preceding vehicle. So if a new vehicle is detected, the system may accelerate instead of braking.
- The adaptive cruise control only considers traffic driving in the same direction.
- The adaptive cruise control does not consider pedestrians and animals for braking and driving off.
- The adaptive cruise control considers stopped vehicles only at low speed.
- Do not use the adaptive cruise control when towing a trailer.
- Do not use the adaptive cruise control on roads with an incline of more than 10%.

As the radar's field of detection is quite narrow, it is possible that the system may not detect:

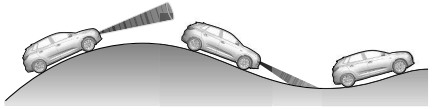
- vehicles of reduced width, e.g. motorcycles, scooters
- vehicles not running in the middle of the lane
- vehicles entering a corner
- vehicles suddenly pulling out

Deactivate the system in the following situations:



- when driving in a tight bend
- when approaching a roundabout
- when following a vehicle not detected by system, e.g., a motorcycle
- when the vehicle ahead sharply decelerates
- when a vehicle cuts in sharply between your vehicle and the vehicle ahead

Hill considerations



⚠ Warning

Do not use the adaptive cruise control on steep hill roads.

System performance on hills depends on vehicle speed, vehicle load, traffic conditions and the road gradient. It may not detect a vehicle in your path while driving on hills. On steep hills, you may have to use the accelerator pedal to maintain your vehicle speed. When going downhill you may have to brake to maintain or reduce your speed. Note that applying the brake deactivates the system.

Radar unit

The radar unit is located in the middle of the front bumper.

⚠ Warning

The radar unit was aligned carefully during manufacture. Therefore, in the event of a frontend impact, do not use the system.
The front bumper may appear to be intact, however the sensor behind may be affected and react incorrectly. After an accident, consult a workshop to verify and adjust the radar unit position.

⚠ 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.

Fault

In the event of an adaptive cruise control fault, a warning light is illuminated in the cluster and a warning message is displayed in the cluster accompanied by an audible signal. The speed limit recognition may not operate correctly if traffic signs do not comply with the Vienna Convention on Road Signs and Signals. Have the system checked by a workshop. As a safety measure, do not use the system if the brake lights are faulty. Do not use the system if the front bumper is damaged.

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 ASSIST once to activate the Cruise Control function.
Press Limit twice to activate speed limiter.

Activation of the functionality

Setting speed by the driver

Press ASSIST once to activate the Cruise Control function.
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 II ▷ 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 II ▷, speed limiter is in pause mode and a message is displayed.
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 limit speed

Press II ▷ or **+** / **-**

Switching off the system

Press II ▷, 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.

Traffic Sign Assist (TSA)

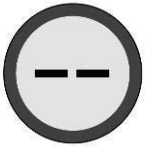
⚠ Warning

The actual traffic sign always takes priority over the traffic sign displayed on the cluster.

Depending on version, there are two different systems available.

Speed limit system 1

Using the camera at the top of the windscreen and the vehicle's integrated navigation system, this system detects and reads speed limit signs and end of speed limits on the cluster.
The system can be activated or deactivated on the Information Display via the vehicle settings .
Information Display ⇨ page 70
If the system is activated but does not detect a speed limit sign, the following sign is displayed:



If the vehicle exceeds the speed limit by at least 5 km/h, the speed limit displayed flashes about ten seconds.
Speed limiter ⇨ page 129
Cruise control ⇨ page 129
Adaptive cruise control ⇨ page 131

Updating navigation map data

To maintain the performance of the system, the navigation map should be updated in periodical intervals. A navigation map update is available twice per year.
Further information is available in the Infotainment system section ⇨ page 72.

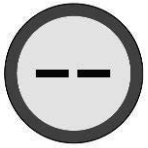
Speed limit system 2 (compliant with the European General Safety Regulation)

This system displays permanently speed limit information on the cluster independent of 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. The confirmation chime can be activated / deactivated on the Information Display.
Information Display ⇨ page 70
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 a few seconds.

Due to legal requirements, the audible signal can only be deactivated until the next time the ignition is switched on. The deactivation can be done via the Information Display or via shortcut 3x if configured in the vehicle settings ⇨ page 75.

If the audible signal is deactivated, illuminates for a few seconds.
Speed limiter ⇨ page 129
Cruise control ⇨ page 129
Adaptive cruise control ⇨ page 131

Fault

In case of failure, 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.

Operation conditions

To provide country-specific speed limit information, the vehicle needs to identify the country it is currently in. If a

corresponding country list is available in the Information Display, the respective country has to be selected manually. Otherwise, the country is automatically selected.
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 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 navigation map should be updated in periodical intervals.
A navigation map update is available at least once per year. Further information is available in the Infotainment system section. For vehicle software update consult a workshop.

Other traffic signs

The system detects traffic signs and displays them in specific page on the cluster.

This system can be activated or deactivated in the vehicle personalization.
Information Display ⇨ page 70

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

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 in the Information Display.

Tire Pressure Monitoring System (TPMS)

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  ⇨ page 62.
In this case reduce speed, avoid sharp cornering and strong braking.
Stop at next safe opportunity and check tire pressure.
After adjusting tire pressure initialise system to extinguish the control indicator and restart 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 initialise the system.

Caution
Deflation detection system warns just about low tire pressure condition and does not replace regular tire maintenance by the driver.

System initialisation

After tire pressure correction or wheel change, the system must be initialised to learn new circumference reference values:

1. Always ensure that all four Tires have correct tire pressure.
2. Apply parking brake.
3. Initialise the system via the Info ⇨ page 70.
4. Reset is confirmed by pop-up indication.

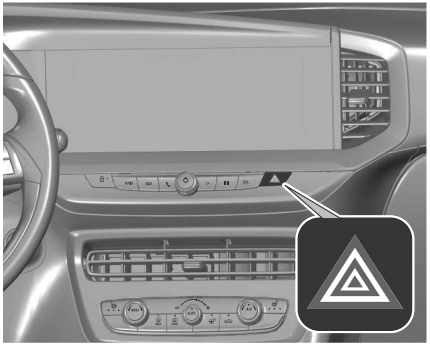
After initialisation system automatically calibrates to new tire pressures during driving. After longer drive the system will adopt and monitor new pressures.
Always check tire pressure with cold Tires.
System has to be reinitialised when:

- 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.

In Case Of Emergency

Hazard Warning Lights



Operated by pressing ⚠
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.

Assist And SOS

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.

Making Emergency Call

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.

Note
The service is only available for markets where it is legally required.
Furthermore, it depends on the availability of the emergency centres and the infrastructure in the country.

Status LED in the overhead console

Illuminates green and red and extinguishes after a short time, when the ignition is switched on: the system works properly.

Illuminates red: fault in the system. Contact a workshop.
Flashes red: backup battery needs replacement. Contact a workshop.

Emergency call

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.
In case of an emergency, press the red SOS button 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.

Opel Connect

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 ⇨ page 140.

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

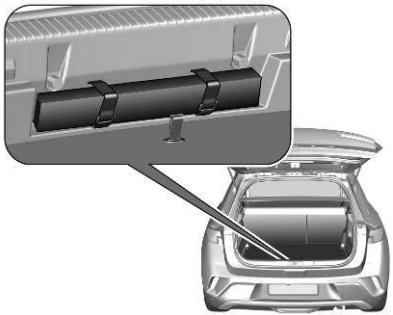
Privacy settings of Opel Connect can be configured. This will impact the set of data being sent, e.g., in case a breakdown call is triggered. The emergency call function and the traffic sign assistant will not be impacted.
Depending on version, the privacy settings can be changed by simultaneously pressing and SOS in the overhead console or via the system settings menu in the Touch Screen and Information Display.

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.

Warning Triangle Kit



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

Jacking the Vehicle and Wheel Changing

Make the following preparations and observe the following information:

- Park the vehicle on a level, firm and non-skid surface. The front wheels must be in the straightahead position.
- Apply the parking brake and engage first gear, reverse gear or P.
- Place a chock under the wheel diagonally opposite the wheel to be changed.
- If the ground on which the vehicle is standing is soft, a solid board (approx. 1 cm thick) should be placed under the jack.
- Take heavy objects out of the vehicle before jacking up.
- No people or animals may be in the vehicle when it is jacked-up.
- Never crawl under a jacked-up vehicle.
- Do not start the vehicle when it is raised on the jack.
- Before screwing in the wheel bolts, clean them.

⚠ Warning
Do not grease wheel bolts.

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.

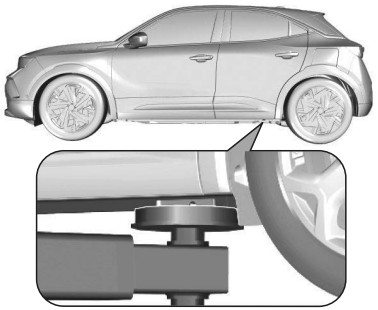
Depending on the wheel rim material, two different bolts are available.

Tightening torque for alloy wheel rims is 115 Nm.

Tightening torque for steel wheel rims is 115 Nm.
Use the correct wheel bolts for the respective wheels.

Jacking positions

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 centrically under the relevant vehicle jacking point.

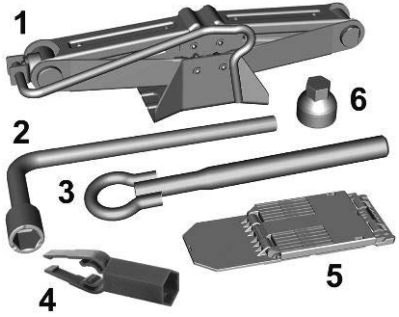
The front arm position of the lifting platform is centrically under the relevant vehicle jacking point.

List Of Tools

The vehicle tools are either located in a toolbag on the carpet, in a toolbox under the carpet or in a box below the floor cover in the load compartment.

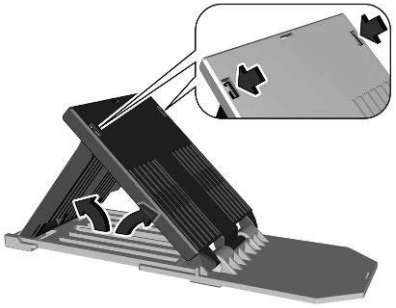
Vehicles with spare wheel

Open the load compartment.



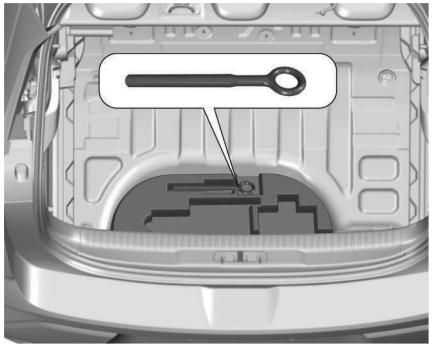
The tools are located either in the toolbag on the carpet or in the toolbox under the carpet:

- Jack (1)
- Wheel wrench (2)
- Towing eye (3)
- Wheel bolt cover remover (4)
- Chock (5)
- Adapter for the locking wheel nuts (6)



To use the chock, fold apart and stick together.

Vehicles without spare wheel



The towing eye is located in a box below the floor cover in the load compartment. Tire repair kit ⇨ page 147.

Spare Wheel

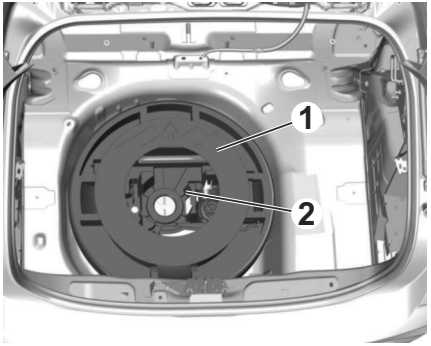
The spare wheel can be classified as a temporary spare wheel depending on the size compared to the other mounted wheels and country regulations. In this case, a permissible maximum speed applies, even though no label at the spare wheel indicates this.
If there is a label on the spare wheel, the permissible speed still depends on the country regulations.
Only mount one temporary spare wheel. Take curves slowly. Do not use for a long period of time.

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.

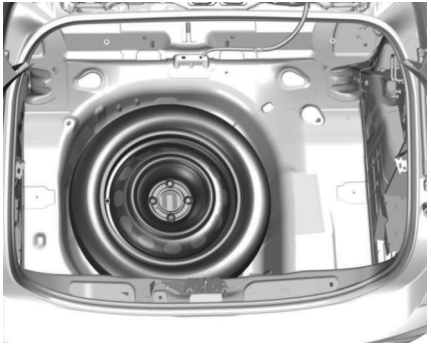
The spare wheel is located in the load compartment benehat the floor covering.
To remove:

1 Open the floor cover ⇨ page 165

2 Remove the cover (1), then turn the box (2) and remove it.



3 Take out the spare wheel



4 When, after a wheel change, no wheel is placed in the spare wheel well, tighten the box (2) and the cover (1) and close the floor cover.

5 After wheel change back to full size wheel, place the temporary spare wheel in the well and secure the box (2) and the cover (1).

Only mount one temporary spare wheel. The permissible maximum speed on the label on the temporary spare wheel is only valid for the factory-fitted tire size.

Removing A Wheel

To remove:

1 Open the floor cover ⇨ page 49.

2 The temporary spare wheel is secured with a wing nut. Unscrew nut and take out the spare wheel.

3 When, after a wheel change, no wheel is placed in the spare wheel well, tighten the wing nut and close floor cover.

4 After wheel change back to full size wheel, place the temporary spare wheel outside up in the well and secure with the wing nut.

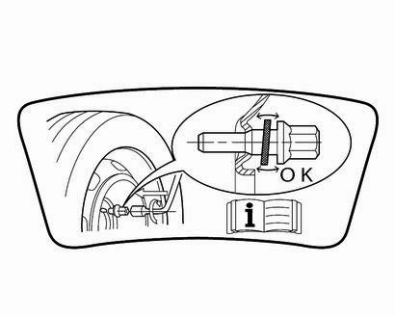
Fitting The Spare Wheel

Make the following preparations and observe the following information:

- Park the vehicle on a level, firm and non-skid surface. The front wheels must be in the straightahead position.
- Apply the parking brake and engage first gear, reverse gear or **P**.
- Place a chock under the wheel diagonally opposite the wheel to be changed.
- Remove the spare wheel.
- Never change more than one wheel at once.
- Use the jack only to change wheels in case of puncture, not for seasonal winter or summer tire change.
- The jack is maintenance-free.
- If the ground on which the vehicle is standing is soft, a solid board (approx. 1 cm thick) should be placed under the jack.
- Take heavy objects out of the vehicle before jacking up.
- No people or animals may be in the vehicle when it is jacked-up.
- Never crawl under a jacked-up vehicle.
- Do not start the vehicle when it is raised on the jack.
- 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. When installing the spare wheel for temporary usage, the bolts for alloy wheel rims can also be used.



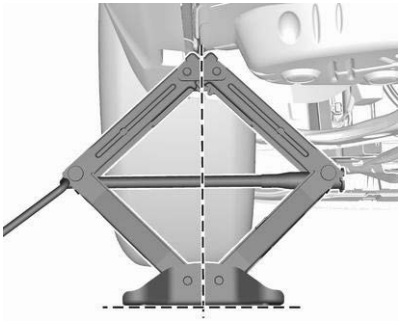
- Note that the spare wheel is secured by the conical contact of each bolt if the wheel bolts for the alloy wheel rims are used. In this case, the washers do not come into contact with the spare wheel.

1 Disengage wheel bolt caps with the wheel bolt cover remover.
Vehicle tools ⇨ page 143.
Steel wheel rims with cover: Pull off the wheel cover.

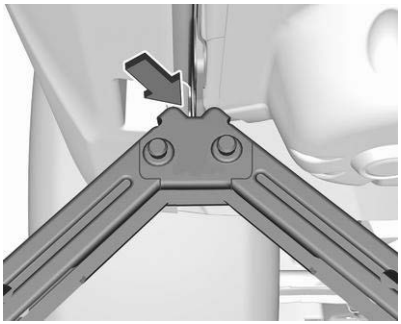
2 Attach the wheel wrench and loosen each wheel bolt by half a turn.
The wheels might be protected by locking wheel nuts. To loosen these specific nuts first attach the adapter onto the head of the nut before installing the wheel wrench. The adapter is located in the tool bag.
The wheels might be protected by locking wheel nuts. To loosen these

specific nuts first attach the adapter onto the head of the nut before installing the wheel wrench. The adapter is located in the tool bag ⇨ page 143.

3 Ensure the jack is correctly positioned under the relevant vehicle jacking point.



4 Set the jack to the necessary height. Position it directly below the jacking point in a manner that prevents it from slipping.



Ensure that the edge of the body fits into the notch of the jack.

With the jack correctly aligned, jack up until wheel is clear of the ground.

5 Unscrew the wheel nuts.

6 Change the wheel.

7 Screw on the wheel nuts.

8 Lower the vehicle and remove jack.

9 Install the wheel wrench ensuring that it is located securely and tighten each bolt in a crosswise sequence.
Tightening torque 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.

10 Stow the replaced wheel, the vehicle tools and the adapter for the locking wheel nuts. ⇨ page 142.

11 Check the tire pressure of the installed tire and the wheel nut torque as soon as possible.

Stowing a damaged full size wheel in the load compartment

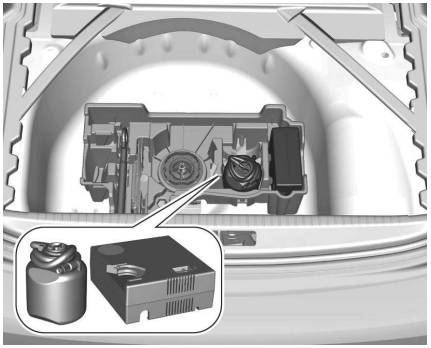
The spare wheel well is not designed for other tire sizes than the spare wheel. A damaged full size wheel must be stowed in the load compartment and secured properly.
Loading information ⇨ page 48

Tire Repair Kit

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. Do not use for a lengthy period. Steering and handling may be affected.

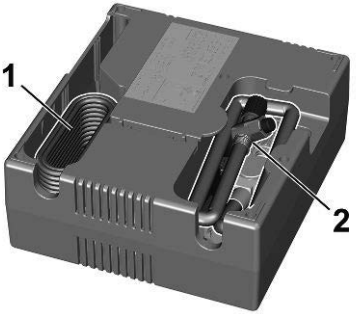
Note
In the case of a flat tire: apply the parking brake and engage first gear, reverse gear or **P**.



The tire repair kit is in the load compartment below the floor cover.

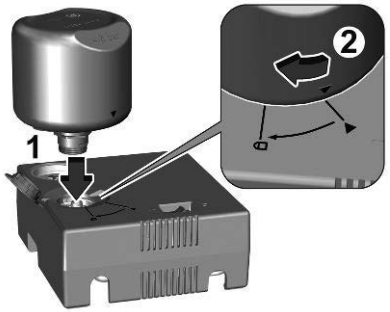
1 Remove the sealant bottle and the compressor.

2 Pull speed limit label from sealant bottle and place it in driver's visible area.



3 Remove the electrical connection cable (1) and air hose (2) from the stowage compartments on the underside of the compressor.

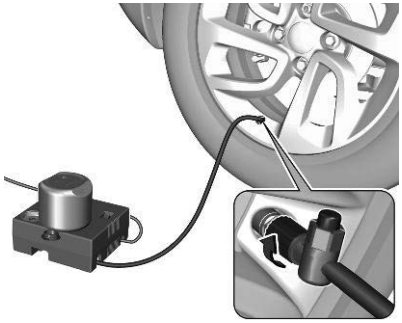
4 Open sealant bottle and lift the lid.



5 First, insert sealant bottle into the compresor and align the triangle symbols. Then, push down sealant bottle and turn it to the lock position.

6 Set the compressor near the tyre in such a way that the sealant bottle is upright.

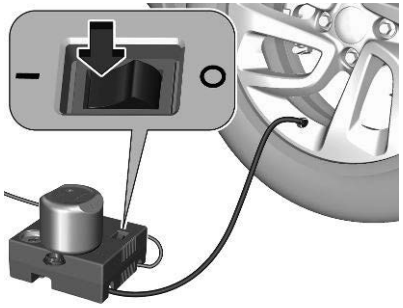
7 Unscrew valve cap from defective tyre.



8 Screw the filler hose to the tyre valve.

9 The switch on the compressor must be set to J.

10 Connect the compressor plug to the 12 V power outlet or cigarette lighter socket ⇨ page 46.
To avoid discharging the vehicle battery, we recommend to use the tyre 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 tyre is filled with sealant.

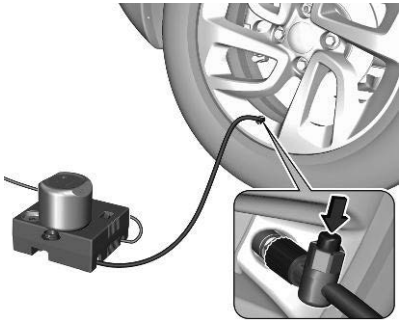
12 The compressor pressure gauge briefly indicates up to 600 kPa (6 bar) whilst the sealant bottle is emptying (approx. 30 seconds). Then the pressure starts to drop.

13 All of the sealant is pumped into the tyre. Then the tyre is being inflated.

14 The prescribed tyre pressure should be obtained within ten minutes.
Tyre pressure ⇨ page 164.

When the correct pressure is obtained, switch off the compressor.
If the prescribed tyre pressure is not obtained within ten minutes, remove the

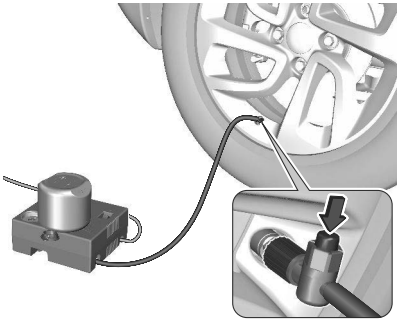
tyre repair kit. Move the vehicle one tyre rotation.
Reattach the tyre repair kit and continue the filling procedure for ten minutes. If the prescribed tyre pressure is still not obtained, the tyre is too badly damaged. Seek the assistance of a workshop.



Drain excess tyre pressure with the button on the air hose.
Do not run the compressor longer than ten minutes.

15 Detach the tyre repair kit. Remove sealant bottle from compressor. Screw the filler hose to the free connection of the sealant bottle. This prevents sealant from escaping. Stow tyre repair kit in load compartment.

16 Remove any excess sealant using a cloth.



17 Continue driving immediately so that sealant is evenly distributed in the tyre. Drive between 20 km/h and 60 km/h. After driving approx. 5 km but no more than ten minutes, stop and check tyre pressure. Screw compressor air hose directly onto tyre valve when doing this. Fill tyre as described before. Drain excess tyre pressure with the button on the air hose.
If tyre 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 tyre pressure has fallen below 200 kPa (2 bar), the vehicle must not be used. Seek the assistance of a workshop.

18 Stow away tyre repair kit in load compartment.

Note
The driving characteristics of the repaired tyre are severely affected, therefore have this tyre replaced.
If unusual noise is heard or the compressor becomes hot, turn 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 storage information on 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.
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.

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.

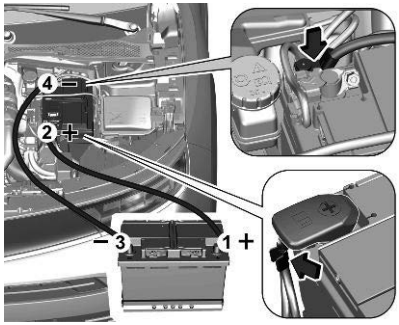
⚠ Warning

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.

- 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.
- Wear eye protection and protective clothing when handling a battery.
- 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^2 (25 mm^2 for diesel engines).
- 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 parking brake, transmission in neutral, automatic transmission in **P**.



Lead connection order:

1 Connect the red lead to the positive terminal of the booster battery (1).

2 Connect the other end of the red lead to the positive terminal of the discharged battery (2).

3 Connect the black lead to the negative terminal of the booster battery (3).

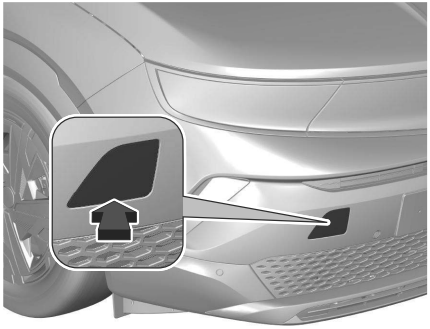
4 Connect the other end of the black lead to a vehicle grounding

point of your vehicle in the engine compartment (4).

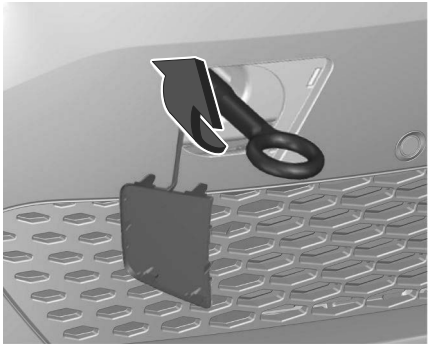
Route the leads so that they cannot catch on rotating parts in the engine compartment.
To start the engine:

1. Start the engine of the vehicle providing the jump.
2. After five minutes, start the other engine. Start attempts should be made for no longer than 15 seconds at an interval of one minute.
3. Allow both engines to idle for approx. three minutes with the leads connected.
4. Switch on electrical consumers e.g. headlights, heated rear window.
5. Reverse above sequence exactly when removing leads.

Towing The Vehicle



Remove the cap.
The towing eye is stowed with the vehicle tools ⇨ page 143.



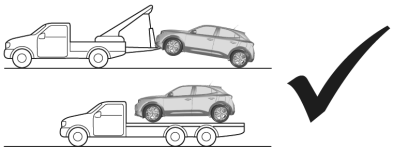
Screw in the towing eye as far as it will go until it stops in a horizontal position.
Attach a tow rod to the towing eye.
The towing eye must only be used for towing and not for recovering the vehicle.
Switch on ignition to permit operation of brake lights, horn, windscreen wiper and, depending on version, to release the steering wheel lock.

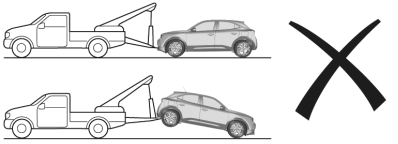
Caution
Deactivate the driver assistance systems like active emergency braking, otherwise the vehicle may automatically brake during towing.

Active emergency braking ⇨ page 109.
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 flange into the recess and fix cap by pushing.
Propulsion type ⇨ page 3.

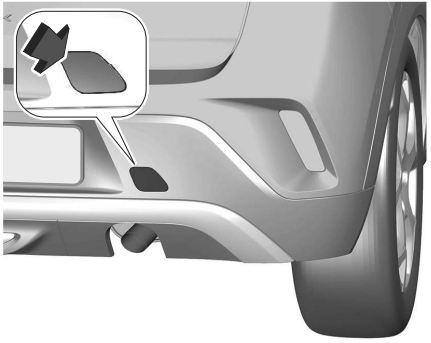
Towing Another Vehicle

⚠ Warning

For Hybrid (48 V) models 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.



Remove the cap.
The towing eye is stowed with the vehicle tools ⇨ page 143.

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.
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 ⇨ page 55

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.

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_2 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.
- Maximum transmission power 10W.
- Installation of the phone in a suitable spot, consider the area in which the airbag inflates ⇨ page 26.

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

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.

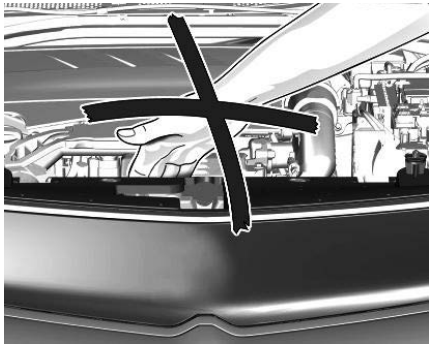
End-Of-Life Vehicle Disposal

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.
Recommendations ⇨ page 108

Performing Work



⚠ Warning

Only perform engine compartment checks when the ignition is off.
The cooling fan may start operating even if the ignition is off.

⚠ 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 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.

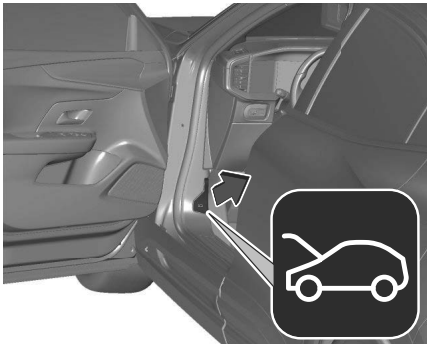
Bonnet

Opening

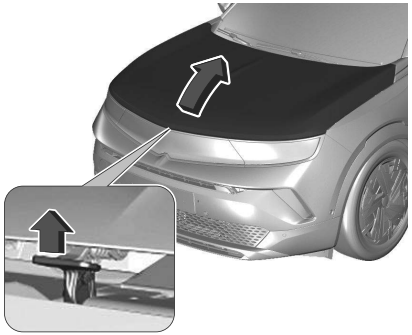
Caution

Before opening the bonnet, deactivate the stop-start system.

Stop-Start system ⇨ page 82
Open the driver's door.



Pull the lever and return it to its original position.



Push the safety catch upwards and open the bonnet.

Closing

Lower the bonnet and let it fall into the latch from a low height (20-25 cm). Check that the bonnet is engaged.

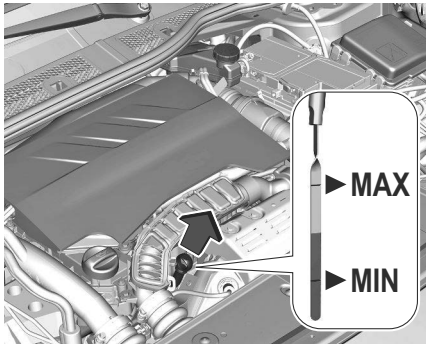
Caution
Do not press the bonnet into the latch to avoid dents.

Checking Fluid Levels

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 ⇨ page 161
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.

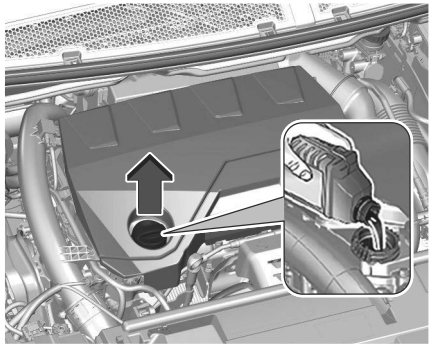
Caution
It is the owner's responsibility to maintain the proper level of an appropriate quality oil in the engine.



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.



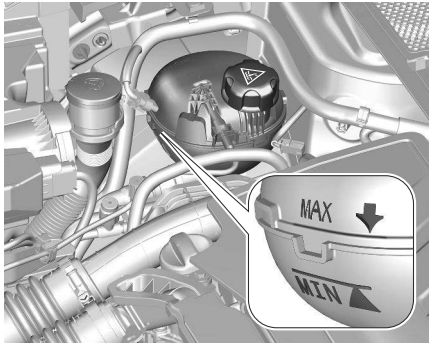
The engine oil level must not exceed the **MAX** mark on the dipstick.

Caution
Overfilled engine oil must be drained or suctioned out. If the engine oil exceeds the maximum level, do not start the vehicle and contact a workshop.

Fit the cap on straight and tighten it.
Capacities ⇨ page 176

Engine Coolant

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 type ⇨ page 3

Coolant Level ICE And Hybrid 48 V

The factory filled coolant provides freeze protection down to approx. -37 °C.

Caution
A too low coolant level can cause engine damage.

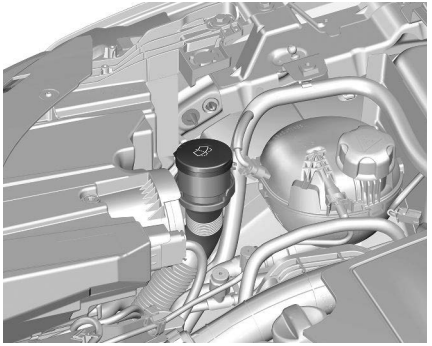
Caution
Only use approved antifreeze.

Coolant and antifreeze ⇨ page 162.
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.

Washer Fluid



Fill with clean water mixed with a suitable quantity of approved windscreen 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 ⇨ page 162

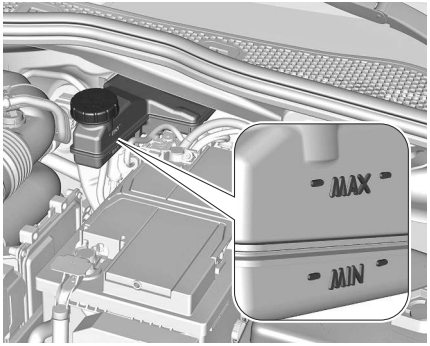
Brakes

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.

Brake Fluid

⚠ Warning
Brake fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.



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 and clutch fluid ⇨ page 162

Vehicle 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 electric 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 clight from the negative terminal of the vehicle battery.
Ensure the ignition is switched off before connecting or disconnecting the vehicle battery.

Battery discharge protection ⇨ page 45.
Anti-theft alarm system ⇨ page 12.

Replacing the vehicle battery

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-servicebox.opel.com/OVddb/OV/index.html.
The vehicle battery has to be replaced by a workshop.
Start-Stop system ⇨ page 82

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 ⇨ page 150

Discharge Protection

Battery voltage

When the vehicle battery voltage is running low, a warning message will appear in the Driver Information Centre. When the vehicle is being driven, the load reduction function temporarily deactivates certain functions, such as the air conditioning, the heated rear window, 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 in the Driver Information Centre.

Power outlet

The power outlets are deactivated in the event of low vehicle battery voltage.

Warning Label

Meaning of symbols:

- No sparks, naked flames or smoking.
- Always shield eyes. Explosive gases can cause blindness or injury.
- Keep the vehicle battery out of reach of children.
- The vehicle battery contains sulphuric acid which could cause blindness or serious burn injuries.
- See the Owner's Manual for further information.
- Explosive gas may be present in the vicinity of the vehicle battery.

Power Saving Mode

This mode deactivates electrical consumers to avoid excessive discharging of the vehicle battery. These consumers, such as the Infotainment system, windscreen 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

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 12 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.

80% charging level limitation ⇨ page 104.
Vehicle Storage ⇨ page 166

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.

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.
Recommended fluids and lubricants ⇨ page 161

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.

Washer Fluid

Use only washer fluid approved for the vehicle to prevent damage of wiper blades, paintwork, plastic and rubber parts. Consult a workshop.

Brake And Clutch Fluids

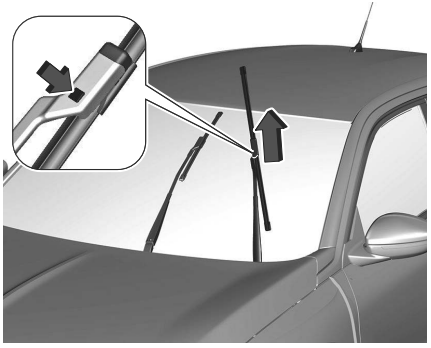
Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.
Use only brake fluid approved for the vehicle. Consult a workshop.

Coolant And Antifreeze

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 °C. In cold regions with very low temperatures the factory filled coolant provides frost protection down to approx. -37 °C. This concentration should be maintained all year round.
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.

Wiper Blade Replacement

Windscreen

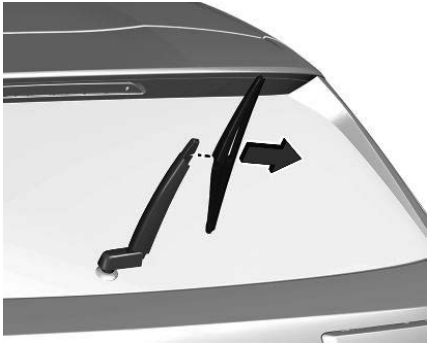


⚠ Warning
Never attempt to move the wipers manually. This can cause permanent damage to the mechanism.

Switch off ignition.
Within one minute after switching off ignition, operate the wiper lever to

position the wiper blades vertically on the windscreen.
Lift the wiper arm until it stays in the raised position, press button to disengage the wiper blade and remove.
Attach the new wiper blade to the wiper arm and push until it engages.
Lower wiper arm carefully.
To return the wiper arms to their original position, switch on the ignition and operate the wiper lever.

Rear window



Lift wiper arm. Disengage wiper blade as shown in illustration and remove.
Attach the wiper blade slightly angled to the wiper arm and push until it engages.
Lower wiper arm carefully.

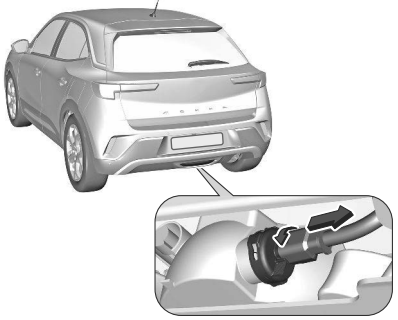
Electrical System

Fuses
A defective fuse must be replaced by a workshop.

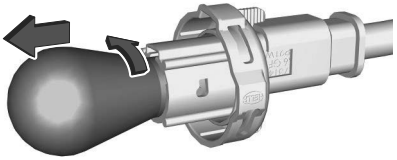
Bulb Replacement

Exterior lights are designed as LEDs and cannot be changed.
Have exterior and interior lights repaired by a workshop in case of failure.

Rear Fog Light



1 Turn the bulb holder anticlockwise and remove it from the reflector housing.



2 Slightly press down the bulb, turn it anticlockwise and remove it from the socket.

3 Replace and insert the new bulb into socket by turning clockwise

4 Insert the bulb socket into the reflector and turn clockwise.

Tires and Wheels

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. **225/55 R 18 98 V**

225 tire width, mm

55 cross-section ratio (tire height to tire width), %

R belt type: Radial

RF tipe: RunFlat

18 wheel diameter, inches

98 load index e.g. 98 is equivalent to 750 kg

V 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 your 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 ⇨ page 164.

Checking/Adjusting Tire Pressures

Check the pressure of cold tires at least every 14 days and before any long journey. Do not forget the spare wheel. This also applies to vehicles with tire deflation detection system.

The tire pressure information label on the left B-pillar 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.
The driver is responsible for correct adjustment of tire pressure.
For the tires approved for your vehicle, refer to the EEC Certificate of Conformity provided with your vehicle or other national registration documents.
Tire pressures differ depending on various options. For the correct tire pressure value, identify the respective

tire On the tire pressure label as described before.

⚠ 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 as shown in the tire pressure table 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.

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. 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.

Allowed Tire And Rim Sizes

If tyres of a different size than those fitted at the factory are used, it may be necessary to reprogramme the system and make other vehicle modifications. Have the label with tyre pressures replaced.

⚠ Warning

The use of unsuitable tyres or wheels may lead to accidents and will invalidate the vehicle operating permit.

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.

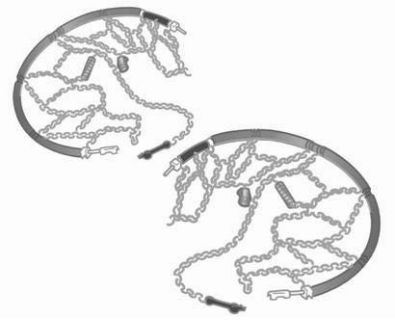
Wheel covers must not impair brake cooling.

⚠ Warning

Use of unsuitable tires or wheel covers could lead to sudden pressure loss and thereby accidents.

Vehicles with steel wheels: When using locking wheel nuts, do not attach wheel covers.
Spare wheels: Do not use wheel covers.

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 Polaire XP9 120 (9mm) tire chains.
- For 18 inch tires, only use Polaire 0112 PSSD tire chains.

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

Storage For A Long Period Of Time

Storage for a long period of time

If the vehicle is to be stored for several months:

- Wash the vehicle.
- Have the wax in the engine compartment and underbody checked.
- Clean and preserve the rubber seals.
- Fill up fuel tank completely.
- Change the engine oil.
- Drain the washer fluid reservoir.
- Check the coolant antifreeze and corrosion protection.
- Adjust tire pressure to the value specified for full load.
- Park the vehicle in a dry, well ventilated place. Engage first or reverse gear or set selector lever to P. Prevent the vehicle from rolling.
- Do not apply the parking brake.
- Open the bonnet, close all doors and lock the vehicle.

Storage for a long period of time (BEV)

If the vehicle is to be stored for several months:

- Wash the vehicle.
- Have the wax in the engine compartment and underbody checked.
- Clean and preserve the rubber seals.
- Drain the washer fluid reservoir.
- Check the coolant antifreeze and corrosion protection.
- Adjust tire pressure to the value specified for full load.

- Park the vehicle in a dry, well ventilated place. Engage first or reverse gear or set selector lever to **P**. Prevent the vehicle from rolling.
- Do not apply the parking brake.
- Open the bonnet, close all doors and lock the vehicle.

Up to four weeks

Plug in the charging cable.

Four weeks to twelve months

- Discharge the high voltage battery until 30 percent remain on the battery range indicator (battery symbol) on the cluster.
- Do not plug in the charging cable.
- Always store the vehicle in a place with temperatures between −10 °C and 30 °C.
- Vehicle storage at extreme temperatures may cause damage to the high voltage battery.
- 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.
- Every three months, check the battery's state of charge. If the state of charge is below 30 percent, recharge the battery to 30 percent.

Putting back into operation

When the vehicle is to be put back into operation:

- Connect the clamp to the negative terminal of the vehicle battery. Initialise the power windows ⇨ page 13
- Check tire pressure
- Fill up the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.
- Fit the number plate if necessary.

Putting back into operation (BEV)

When the vehicle is to be put back into operation:

- Connect the clamp to the negative terminal of the vehicle battery. Initialise the power windows ⇨ page 13
- Check tire pressure.
- Fill up the washer fluid reservoir.
- Check the coolant level.
- Fit the number plate if necessary.

Propulsion types ⇨ page 3

Long-Time Storage Of Hybrid - Electric Vehicle

If the vehicle is to be stored for several months:

- Wash the vehicle.
- Have the wax in the engine compartment and underbody checked.
- Clean and preserve the rubber seals.
- Fill up fuel tank completely.
- Change the engine oil.
- Drain the washer fluid reservoir.
- Check the coolant antifreeze and corrosion protection.
- Adjust tire pressure to the value specified for full load.
- Park the vehicle in a dry, well ventilated place. Engage first or reverse gear or set selector lever to P. Prevent the vehicle from rolling.
- Do not apply the parking brake.
- Open the bonnet, close all doors and lock the vehicle.

Storage for a long period of time (BEV)

If the vehicle is to be stored for several months:

- Wash the vehicle.
- Have the wax in the engine compartment and underbody checked.
- Clean and preserve the rubber seals.
- Drain the washer fluid reservoir.
- Check the coolant antifreeze and corrosion protection.
- Adjust tire pressure to the value specified for full load.
- Park the vehicle in a dry, well ventilated place. Engage first or reverse gear or set selector lever to **P**. Prevent the vehicle from rolling.
- Do not apply the parking brake.
- Open the bonnet, close all doors and lock the vehicle.

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- 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.
- Every three months, check the battery's state of charge. If the state of charge is below 30 percent, recharge the battery to 30 percent.

Putting back into operation

When the vehicle is to be put back into operation:

- Connect the clamp to the negative terminal of the vehicle battery. Initialise the power windows ⇨ page 13
- Check tire pressure
- Fill up the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.
- Fit the number plate if necessary.

Putting back into operation (BEV)

When the vehicle is to be put back into operation:

- Connect the clamp to the negative terminal of the vehicle battery. Initialise the power windows ⇨ page 13
- Check tire pressure.
- Fill up the washer fluid reservoir.
- Check the coolant level.
- Fit the number plate if necessary.

Propulsion types ⇨ page 3

Bodywork-Exterior Care

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 of your vehicle 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 you wash your vehicle 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 bonnet 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 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 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.

Interior Care

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 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 colourfast. 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.

Plastic and rubber 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.

Floor Mats

⚠ Warning

If a floor mat has the wrong size or is not properly installed, it can interfere with the accelerator pedal and/or brake pedal, what can cause unintended acceleration and/or increased stopping distance which can cause a crash and injury.

Use the following guidelines for proper floor mat usage.

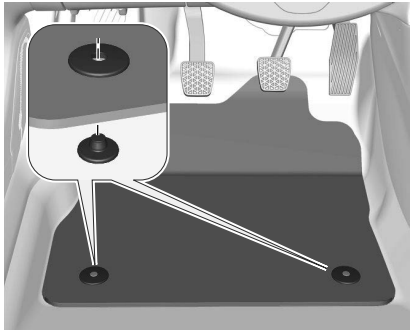
- The original equipment floor mats were designed for this vehicle. If the floor mats need to be replaced, it is recommended to buy certified floor mats which fit properly and are fixed by the retainers on the driver side. Always check that the floor mats do not interfere with the pedals.
- Use the floor mat with the correct side up. Do not turn it over.
- Do not place anything on top of the driver side floor mat.
- Use only a single floor mat on the driver side.

Inserting floor mats

The driver side floor mat is held in place by two retainers.

To install:

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.

Removing floor mats

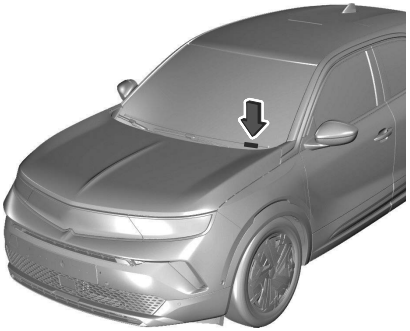
To remove:

1. Move the seat backwards as far as possible.
2. Remove the mat.

Technical Specifications

Vehicle Identification

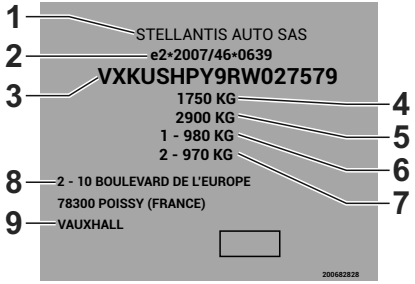
Vehicle Identification Number (VIN)



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 show the engine identifier code.
Engine data ⇨ page 175
To identify the respective engine, refer to the engine power in the Certificate of Conformity provided with your vehicle or other national registration documents.

Vehicle Data

Dimensions

Length [mm]	4150
Width with two exterior mirrors folded [mm]	1791
Width with two exterior mirrors [mm]	1987
Height (without antenna) [mm]	1535 / 1515[5)]
Length of load compartment floor [mm]	667
Length of load compartment with folded second row [mm]	1418
Load compartment width between wheel arches [mm]	1021
Wheelbase [mm]	2557 / 2561[5)]
Turning circle diameter [m]	11.08

5) BEV

Engine Data

Engine identifier code	EB2LTD	EB2ADTS	EB2ADTSM	EB2LTDH2	BEV ZAE / BEV ZLE
Sales designation	**1.2 T**	**1.2 T**	**1.2 T**	**1.2 T Hybrid 48 V**	**Electric / Electric Long Range**
Piston displacement [cm^3]	1199	1199	1199	1199	-
Engine power [kW] at rpm	100 5500	96 5500	96 5500	100 5500	100 / 115
Torque [Nm] at rpm	230 1750	230 1750	230 1750	230 1750	260 500 - 4060
Fuel type	Gasoline	Gasoline	Gasoline	Gasoline	-
Octane rating RON recommended possible possible	 95 98 91	 95 98 91	 91 98 95	 95 98 91	
DC fast charging [kW]	-	-	-	-	100 / 110
High voltage battery capacity [kWh]	-	-	-	-	50 / 54

Fluid Capacities

Engine oil

Engine	EB2LTD	EB2ADTS	EB2LTDH2
including filter [l]	4.0	4.0	4.0
between MIN and MAX [l]	1.0	1.0	1.0

Fuel tank

Gasoline (ICE), refilling quantity [l]	44
Gasoline (MHEV), refilling quantity [l]	42

Other fluids ⇨ page 161
Tire pressure ⇨ page 164

Customer Information

Declaration Of Conformity

Radio 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 for each system is available at the following internet address: www.opel.com/conformity.
Importer is Opel Automobile GmbH, Bahnhofsplatz, 65423 Ruesselsheim am Main, Germany.

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 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. 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 Information 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 Information Display. Follow the onscreen prompts in the respective menu.

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

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.
DivX, LLC DivX® and DivX Certified® are registered trademarks of DivX, LLC.

Google Inc.

Android™ and Google Play™ Store are trademarks of Google Inc.

Velcro Companies

Velcro® is a registered trademark of Velcro Companies.

Verband der Automobilindustrie e.V.

AdBlue® is a registered trademark of the VDA.

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 timestamped 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.
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.

Your rights in respect of data protection

According to applicable law on data protection, you have certain rights in respect of companies that process your personal data.
Therefore, you have free and extensive entitlement to information held by the manufacturer as well as third parties (e.g. authorised breakdown services or garages, providers of online services for your vehicle) if they have saved personal data relating to you. In doing so you may demand to know what data is stored about you for what purpose, and where the data came from. Your right to information also covers the transfer of data to other locations.
Further information on your legal rights in respect of the manufacturer (e.g. your right to deletion or the correction of data) can be found in the relevant privacy notice on the manufacturer's website (including contact data for the manufacturer and its data protection officer).
Data that is only stored locally in the vehicle can be read with expert assistance at a garage, e.g. for a fee where applicable.

Legal requirements for information disclosure

Insofar as regulatory requirements exist, manufacturers are strictly bound to release data stored by the manufacturer in individual cases to the extent requested following a request by state bodies (e.g. during criminal investigations).
Government agencies are also authorised, in the context of applicable law, to read data in individual cases from vehicles themselves. For this reason, information that may help with the investigation resolution can possibly be read from the airbag control unit in the event of an accident.

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 acceleration, 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 manufacturer 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.

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.

Index

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Edition: May 2025, Opel Automobile GmbH, Rüsselsheim.

Printed on chlorine-free bleached paper.

OMOKKBO2505en-1