

# OPEL ASTRA

Owner's Manual





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## Introduction

Fuel	Designation	<input type="text"/>		
Engine oil	Grade	<input type="text"/>		
	Viscosity	<input type="text"/>		
Tyre pressure	Tyre size		Front	Rear
	Summer tyres	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Winter tyres	<input type="text"/>	<input type="text"/>	<input type="text"/>
Weights	Gross vehicle weight rating	<input type="text"/>		
	- Kerb weight, basic model	<input type="text"/>		
	= Loading	<input type="text"/>		

## Vehicle specific data

Please enter your vehicle's data on the previous page to keep it easily accessible. This information is available in the sections "Service and maintenance" and "Technical data" as well as on the identification plate.

## Introduction

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy.

This Owner's Manual provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

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, we recommend your Opel Service Partner.

For gas vehicles we recommend an Opel Repairer authorised for servicing gas vehicles.

All Opel Service Partners provide first-class service at reasonable prices. Experienced mechanics trained by Opel work according to specific Opel instructions.

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

## Using 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 "In brief" section will give you an initial overview.

- 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 left-hand drive vehicles. Operation is similar for right-hand drive vehicles.
- The Owner's Manual uses the factory engine designations. The corresponding sales designations can be found in the section "Technical data".
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- The vehicle display screens may not support your specific language.
- Display messages and interior labelling are written in **bold** letters.

## Danger, Warnings and Cautions

### **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.

## Symbols

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.

Chronological order to select menu entries in the vehicle personalisation is indicated with ➤.

We wish you many hours of pleasurable driving.

**Adam Opel AG**




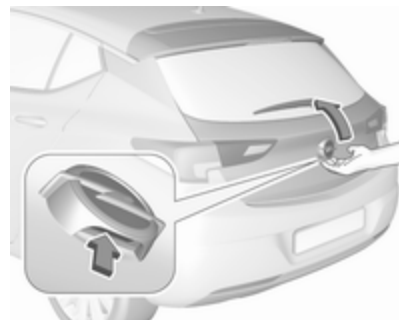
## In brief

## Initial drive information

### Vehicle unlocking



Press  to unlock the doors and load compartment. Open the doors by pulling the handles.



To open the tailgate, push the touchpad switch below the brand emblem.

Radio remote control ⇨ 21, Central locking system ⇨ 24, Electronic key system ⇨ 22, Load compartment ⇨ 30.



## Seat adjustment

### 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.

Seat position ⇨ 42, Manual seat adjustment ⇨ 43, Power seat adjustment ⇨ 45.

### Backrests inclination



Turn handwheel. Do not lean on backrest when adjusting.

Seat position ⇨ 42, Manual seat adjustment ⇨ 43, Power seat adjustment ⇨ 45.

### Seat height



Lever pumping motion

up : seat higher  
down : seat lower

Seat position ⇨ 42, Manual seat adjustment ⇨ 43, Power seat adjustment ⇨ 45.

### Seat inclination



Press switch

top : front end higher  
bottom : front end lower

Seat position ↻ 42, Manual seat adjustment ↻ 43, Power seat adjustment ↻ 45.

### Head restraint adjustment



Press release button, adjust height, engage.

Head restraints ↻ 41.

### Seat belt



Pull out the seat belt and engage in belt buckle. The seat belt must not be twisted and must fit close against the body. The backrest must not be tilted back too far (maximum approx. 25°).

To release belt, press red button on belt buckle.

Seat position ↻ 42, Seat belts ↻ 50, Airbag system ↻ 53.

## Mirror adjustment

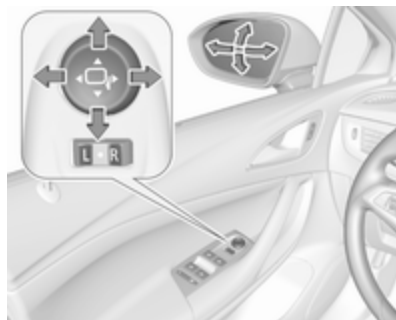
### Interior mirror



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

Manual anti-dazzle interior mirror ⇨ 36, Automatic anti-dazzle interior mirror ⇨ 36.

### Exterior mirrors

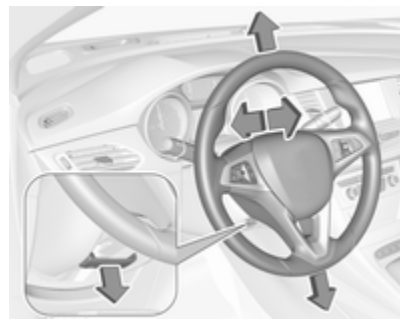


Select the relevant exterior mirror by switching the rocker control to left mirror (**L**) or right mirror (**R**). Adjust respective mirror by the four-way control.

Convex exterior mirrors ⇨ 34, Electric adjustment ⇨ 34, Folding exterior mirrors ⇨ 35.

Heated exterior mirrors ⇨ 35.

## Steering wheel adjustment

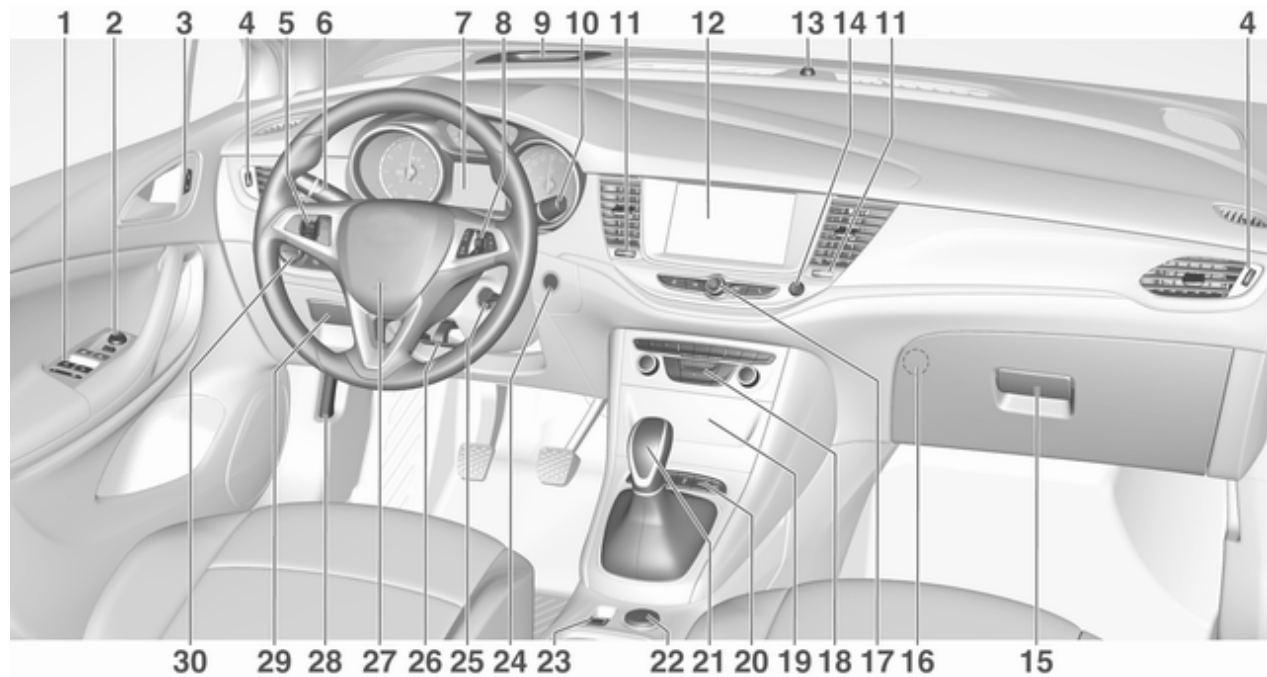


Unlock the lever, adjust the steering wheel, then engage the lever and ensure it is fully locked.

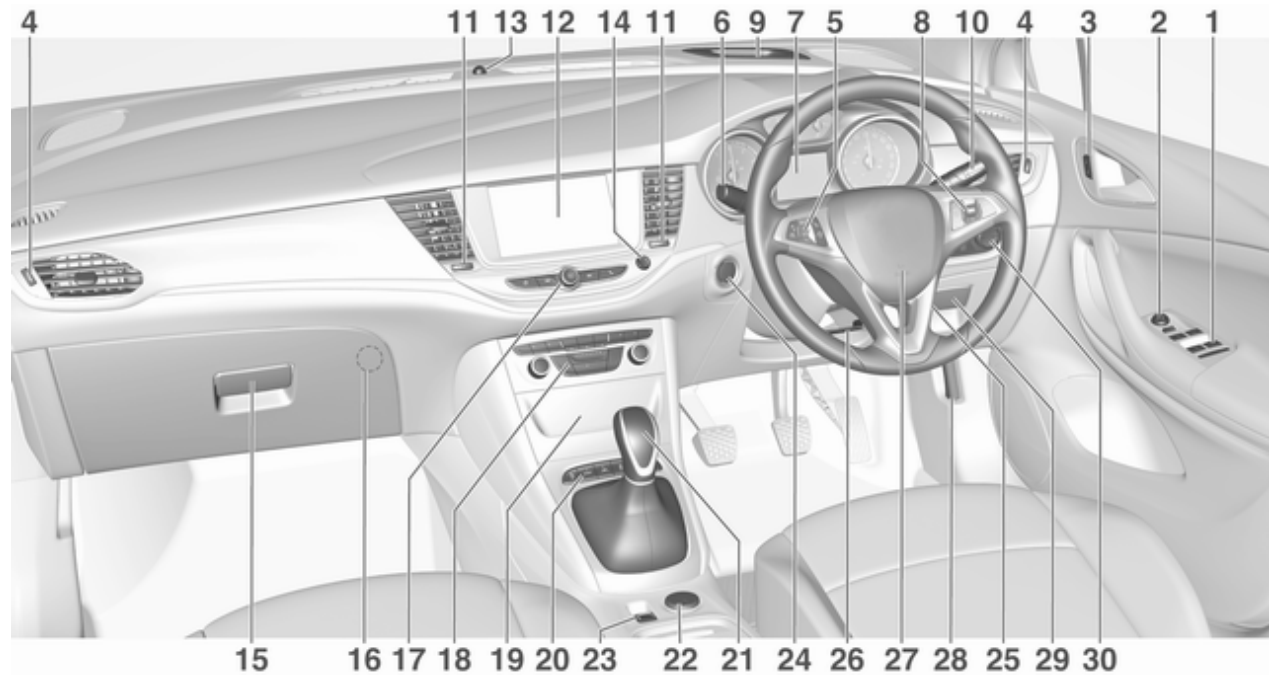
Do not adjust the steering wheel unless the vehicle is stationary and the steering wheel lock has been released.

Airbag system ⇨ 53, Ignition positions ⇨ 140.

## Instrument panel overview



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## Exterior lighting



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

☞☞ : sidelights  
☞D : headlights

Automatic light control ⇨ 119.

## Fog lights

Press buttons in light switch

☞D : front fog lights  
Q☞ : rear fog light

## Headlight flash, high beam and low beam



headlight flash : pull lever  
high beam : push lever  
low beam : push or pull lever

High beam ⇨ 119, Headlight flash ⇨ 119, LED headlights ⇨ 120, High beam assist ⇨ 120.

## Turn and lane-change signals




lever up : right turn signal  
lever down : left turn signal

Turn and lane-change signals  
⇨ 124, Parking lights ⇨ 125.

## Hazard warning flashers



Operated by pressing .  
Hazard warning flashers ⇨ 123.

## Horn



Press .

## Washer and wiper systems

### Windscreen wiper

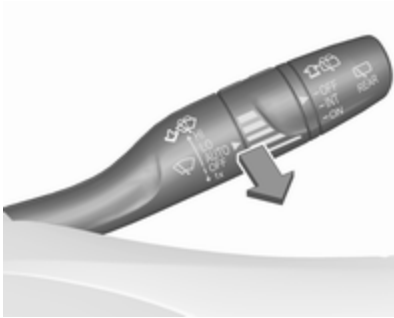


**HI** : fast  
**LO** : slow  
**INT** : interval wiping  
 or  
 automatic wiping with rain  
 sensor  
**OFF** : off

For single wipe when the wiper is off,  
 press lever down to position **1x**.  
 Windscreen wiper ⇨ 77.



### Windscreen washer



Pull lever.

Windscreen washer system ↻ 77,  
Washer fluid ↻ 200, Wiper blade  
replacement ↻ 203.

### Rear window wiper



Turn outer cap to activate the rear  
window wiper:

**ON** : continuous operation  
**INT** : intermittent operation  
**OFF** : off

### Rear window washer



Push lever.


Washer fluid is sprayed on the rear  
window and the wiper wipes a few  
times.

Rear window wiper/washer ↻ 79.

## Climate control


### Heated rear window



The heating is operated by pressing .

Heated rear window ⇨ 39.



### Heated exterior mirrors

Pressing  also activates the heated exterior mirrors.

Heated exterior mirrors ⇨ 35.

## Demisting and defrosting the windows



- Press : the air distribution is directed towards the windscreen.
- Set fan speed to highest level.
- Set temperature control to warmest level.
- Switch on heated rear window .
- Open side air vents as required and direct them towards the door windows.

Heating and ventilation system  
⇨ 129, air conditioning system  
⇨ 130, electronic climate control  
system ⇨ 132.

## Transmission

### Manual transmission



Reverse: with the vehicle stationary, depress clutch pedal and press the release button on the selector lever and engage the gear.

Manual transmission ⇨ 154.

## Automatic transmission



- P** : park position
- R** : reverse
- N** : neutral mode
- D** : automatic mode
- M** : manual mode
- +** : upshift
- : downshift

The selector lever can only be moved out of **P** when the ignition is on and the brake pedal is applied. To engage **P** or **R**, press the release button.

Automatic transmission ⇨ 151.

## Manual transmission automated



- N** : neutral position
- D** : automatic mode
- M** : manual mode
- +** : upshift
- : downshift
- R** : reverse

Engage reverse only when vehicle is stationary.

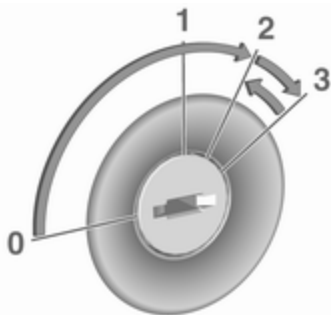
Manual transmission automated ⇨ 155.

## Starting off

### Check before starting off


- Tyre pressure and condition  
⇨ 219, ⇨ 254.
- Engine oil level and fluid levels  
⇨ 198.
- All windows, mirrors, exterior lighting and number plates are free from dirt, snow and ice and are operational.
- Proper position of mirrors, seats, and seat belts ⇨ 34, ⇨ 42, ⇨ 51.
- Brake function at low speed, particularly if the brakes are wet.

## Starting the engine



- Ignition switch: turn key to position **2**.  
Power button: press **Engine Start/Stop** for a few seconds until green LED illuminates.
- Move the steering wheel slightly to release the steering wheel lock.
- Manual transmission: operate clutch and brake pedal.  
Manual transmission automated: operate brake pedal.

Automatic transmission: operate brake pedal and move selector lever to **P** or **N**.

- Do not operate accelerator pedal.
- Diesel engines: wait until control indicator  for preheating extinguishes.
- Ignition switch: turn key to position **3** and release.



Power button: press **Engine Start/Stop** and release.

Starting the engine ⇨ 143.

## Stop-start system



If the vehicle is at a low speed or at a standstill and certain conditions are fulfilled, an Autostop is activated.

An Autostop is indicated by the needle at the **AUTOSTOP** position in the tachometer.

A restart is indicated by the needle at the idle speed position in the tachometer.

Stop-start system ⇨ 145.

## Parking

### ⚠ Warning

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply the parking brake. Activate the manual parking brake without pressing the release button. Apply as firmly as possible on a downhill slope or uphill slope. Depress brake pedal at the same time to reduce operating force.  
For vehicles with electric parking brake, pull switch (Ⓢ) for a minimum of one second until control indicator (Ⓢ) illuminates constantly and electric parking brake is applied ⇨ 94.
- Switch off the engine.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector

lever to position **P** before removing the ignition key or switching off ignition on vehicles with power button. 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** before removing the ignition key or switching off ignition on vehicles with power button. Turn the front wheels towards the kerb.

- Close the windows and the sunroof.
- Remove the ignition key from the ignition switch or switch off ignition on vehicles with power button. Turn the steering wheel until the steering wheel lock is felt to engage.  
For vehicles with automatic transmission, the key can only be removed when the selector lever is in position **P**.

For vehicles with manual transmission automated, the key can only be removed from the ignition switch when the parking brake is applied.

- Lock the vehicle with (Ⓛ) on the radio remote control.  
Activate the anti-theft alarm system ⇨ 31.
- The engine cooling fans may run after the engine has been switched off ⇨ 197.

### 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.

Keys, locks ⇨ 20, Laying-up the vehicle for a long period of time ⇨ 196.

## Keys, doors and windows

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## Keys, locks

### Keys

<b>Caution</b>
Do not attach heavy or bulky items to the ignition key.

### 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 immobiliser system.

Locks ⇨ 237, Radio remote control ⇨ 21, Electronic key ⇨ 22, Central locking ⇨ 24, Starting the engine ⇨ 143.

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 ⇨ 228.

### Key with foldaway key section



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

### Radio remote control



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

- central locking system ⇨ 24
- anti-theft locking system ⇨ 31
- anti-theft alarm system ⇨ 31
- power windows ⇨ 37
- sunroof ⇨ 39

The remote control has a range of up to 100 metres, but may also be much less due to external influences. The hazard warning flashers confirm operation.

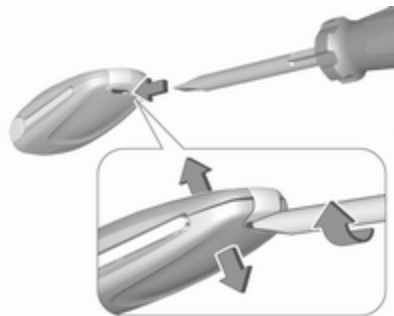
Handle with care, protect from moisture and high temperatures and avoid unnecessary operation.

### Replacing battery in radio remote control

Replace the battery as soon as the range reduces.



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



1. Insert flat screwdriver into the slot and separate the back cover from the remote control by slightly turning the screwdriver.
2. Remove and replace battery. Use CR 2032 or equivalent battery. Pay attention to the installation position.
3. Insert the back cover in the area of the key blade, fold down and close.

### Radio remote control synchronisation

After replacing the battery, unlock the door with the key in the driver's door lock. The radio remote control will be synchronised when you switch on the ignition.

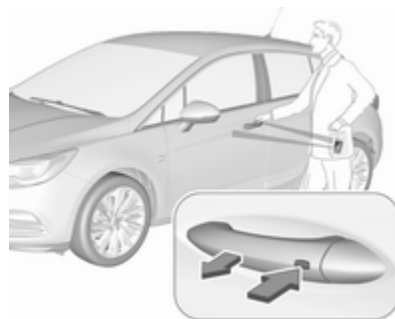
### Fault

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

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

Manual unlocking ⇨ 24.

### Electronic key system



Enables a keyless operation of the following functions:

- central locking system ⇨ 24
- tailgate ⇨ 30
- ignition switching on and starting the engine ⇨ 143

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

Additionally, the electronic key includes the functionality of the radio remote control ⇨ 21.

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



**Note**

Do not put the electronic key in the load compartment or in front of the Info-Display.

**Replacing battery in electronic key**

Replace the battery as soon as the system no longer operates properly or the range is reduced. The need for battery replacement is indicated by a message in the Driver Information Centre → 105.



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

To replace:



1. Press button at the back of the electronic key unit and extract the key blade from the housing.



2. Insert flat screwdriver or the key blade at the side of the housing and separate the back cover from the electronic unit by turning the screwdriver or key blade.
3. Remove and replace battery. Use CR 2032 or equivalent battery. Pay attention to the installation position.
4. Install back cover of the electronic unit and insert key element.

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

**Electronic key synchronisation**

The electronic key synchronises itself automatically during every starting procedure.

## Fault

If the central locking cannot be operated or the engine cannot be started, the cause may be one of the following:

- Fault in 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.

To rectify the cause of the fault, change the position of the electronic key.

Manual unlocking ⇨ 24.

## Memorised settings

Whenever the ignition is switched off, the following settings are automatically memorised by the remote control unit or the electronic key:

- automatic climate control
- lighting
- Infotainment system
- central locking system
- Sport mode settings
- comfort settings

The saved settings are automatically used the next time the ignition is switched on with the memorised key of the remote control unit ⇨ 140 or electronic key ⇨ 22.

A precondition is that **Personalisation by Driver** is activated in the personal settings of the Info-Display. This must be set for each remote control unit or electronic key which is used.

The settings of the driver's seat are also memorised independent of the memory positions ⇨ 45.

The power seat automatically moves into the saved position when unlocking and opening the driver's door with the memorised remote control or electronic key and **Auto Memory Recall** in the Info-Display is activated.

Vehicle personalisation ⇨ 107.

## Central locking system

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

A pull on an interior door handle unlocks the respective door. Pulling the handle once more opens the door.

### Note

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

### Note

A short time after unlocking with the remote control the doors are locked automatically if no door has been opened. A precondition is that the setting is activated in the vehicle personalisation ⇨ 107.




## Remote control operation

### Unlocking



Press .

Unlocking mode can be set in the vehicle personalisation menu in the Info-Display. Two settings are selectable:

- All doors, load compartment and fuel filler flap will be unlocked by pressing  once.
- Only the driver's door, load compartment and fuel filler flap will be unlocked by pressing  once. To unlock all doors, press  twice.

Select the relevant setting in **Settings**,  
 ▶ **Vehicle** in the Info-Display.

Info-Display ⇨ 103.

Vehicle personalisation ⇨ 107.

The setting can be saved for the remote control being used.

Memorised settings ⇨ 24.

Unlocking and opening the tailgate  
 ⇨ 30.

### Locking

Close doors, load compartment and fuel filler flap.



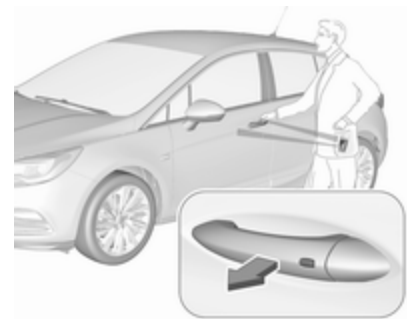
Press .

If the driver's door is not closed properly, the central locking system will not work.

### Confirmation

Operation of the central locking system is confirmed by the hazard warning flashers. A precondition is that the setting is activated in the vehicle personalisation ⇨ 107.

### Electronic key system operation



The electronic key must be outside the vehicle, within a range of approx. one metre of the relevant door side.

## Unlocking



Press the button on the respective exterior door handle and pull the handle.

Unlocking mode can be set in the vehicle personalisation menu in the Info-Display. Two settings are selectable:

- All doors, load compartment and fuel filler flap will be unlocked by pressing the button on any exterior handle once.
- Only the driver's door, load compartment and fuel filler flap will be unlocked by pressing the

button on the driver's door exterior handle once. To unlock all doors, press button twice.

The setting can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ↻ 107.

## Locking



Press the button on any exterior door handle.

All doors, load compartment and fuel filler flap will be locked.

The system locks if any of the following occurs:

- It has been more than five seconds since unlocking.
- The button on an exterior handle has been pressed twice within five seconds to unlock the vehicle.
- Any door has been opened and all doors are now closed.

If the driver's door is not closed properly, the electronic key remains in the vehicle or the ignition is not off, locking will not be permitted and a warning chime sounds three times.

If there have been two or more electronic keys in the vehicle and the ignition was on once, the doors will be locked even if just one electronic key is taken out of the vehicle.

## Unlocking and opening the tailgate

The tailgate can be unlocked and opened by pushing the touchpad switch under the brand emblem when the electronic key is in range. The doors remain locked.

### Operation with buttons on the electronic key

The central locking system can also be operated with the buttons on the electronic key.

Press  to unlock.

Press  to lock.

Remote control operation ⇨ 24.

### Passive locking

Automatic locking ⇨ 28.

### Confirmation

Operation of central locking system is confirmed by the hazard warning flashers. A precondition is that the setting is activated in the vehicle personalisation ⇨ 107.

### Central locking buttons

Locks or unlocks all doors, the load compartment and fuel filler flap from the passenger compartment by a switch in the driver's door panel.



Press  to lock.

Press  to unlock.

### Operation with the key in case of a central locking system fault

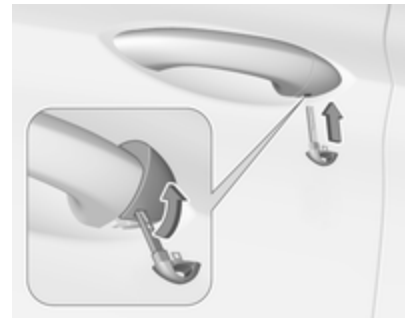
In case of a fault, e.g. vehicle battery or remote control/electronic key battery is empty, the driver's door can be locked or unlocked with the mechanical key.

The lock cylinder in the driver's door is covered by a cap.



**Remote control:** to remove the cap, insert the key into the recess at the bottom of the cap and swivel the key upward.

Keys ⇨ 20.




**Electronic key:** to remove the cap, press button at the back and extract the key blade from the housing. Insert the key into the recess at the bottom of the cap and swivel the key upward. Electronic key system ⇨ 22.

### Manual unlocking




Manually unlock the driver's door by inserting and turning the key in the lock cylinder.

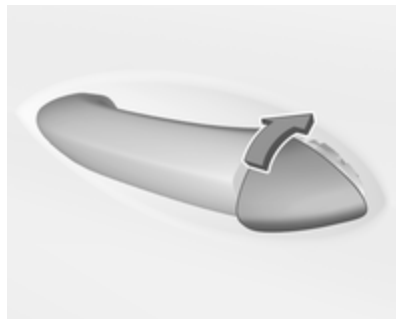
The other doors can be opened by pulling the interior handle twice or by pressing  in the driver's door panel. The load compartment and fuel filler flap will possibly not be unlocked.

By switching on the ignition, the anti-theft locking system is deactivated.

### Manual locking



Push inside locking knob of all doors except driver's door or press  in the driver's door panel. Then close the driver's door and lock it from the outside by turning the key in the lock cylinder. The fuel filler flap and tailgate are possibly not locked.



After locking, cover the lock cylinder with the cap: insert the cap with the lower side in the recesses, swivel and push the cap until it engages at the upper side.

### Automatic locking

#### Automatic locking after driving off

This security feature can be configured to automatically lock all doors, load compartment and fuel filler flap after driving off and exceeding a certain speed.

When at a standstill after driving, the vehicle will be unlocked automatically as soon as the key is removed from the ignition switch, or with electronic key system when the ignition is switched off.

Activation or deactivation of automatic locking can be set in the menu **Settings, ▶ Vehicle** in the Info-Display.

Info-Display ⇨ 103.

Vehicle personalisation ⇨ 107.

The setting can be saved for the remote control or electronic key being used ⇨ 24.

### Automatic relock after unlocking

This feature can be configured to automatically lock all doors, load compartment and fuel filler flap a short time after unlocking with the remote control or electronic key, provided no door has been opened.

Activation or deactivation of automatic relock can be set in the menu **Settings, ▶ Vehicle** in the Info-Display.

Info-Display ⇨ 103.

Vehicle personalisation ⇨ 107.



The setting can be saved for the remote control or electronic key being used ⇨ 24.

### Passive locking

On vehicles with electronic key system, this feature locks the vehicle automatically after several seconds if an electronic key has been recognised previously inside the vehicle, all doors have then been closed and the electronic key does not remain in the interior.

If the electronic key remains in the vehicle or the ignition is not off, passive locking will not be permitted.

If there have been two or more electronic keys in the vehicle and the ignition was on once, the feature locks the vehicle if just one electronic key is taken out of the vehicle.

Passive locking can be disabled by pressing  for a few seconds while one door is open. It remains disabled until  is pressed or the ignition is switched on.

Activation or deactivation of passive locking can be set in the menu **Settings, ▶ Vehicle** in the Info-Display. Info-Display ⇨ 103.

Vehicle personalisation ⇨ 107.

The setting can be saved for the remote control or electronic key being used ⇨ 24.

### Child locks

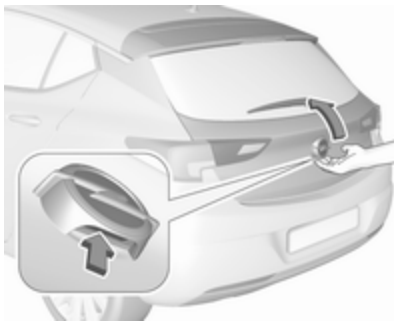


**⚠ Warning**

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

Move the pin in the rear door to the front. The door cannot be opened from the inside.

To deactivate, move the pin to the rear position.

**Doors****Load compartment****Tailgate****Opening**

After unlocking, push the touchpad switch under the brand emblem and open the tailgate.

Central locking system ⇨ 24.

**Closing**

Use one of the interior handles.

Do not push the touchpad switch whilst closing as this will unlock the tailgate again.

Central locking system ⇨ 24.

**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.

## Vehicle security

### 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.

If the ignition was on, the driver's door must be opened and closed once so that the vehicle can be secured.

Unlocking the vehicle disables the mechanical anti-theft locking system. This is not possible with the central locking button.

### Activating



Press  on the radio remote control twice within five seconds.

### Anti-theft alarm system

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


It monitors:

- doors, tailgate, bonnet
- passenger compartment including adjoining load compartment


- vehicle inclination, e.g. if it is raised
- ignition

### Activation

All doors must be closed and the electronic key of the electronic key system must not remain in the vehicle. Otherwise the system cannot be activated.

- Radio remote control: self-activated 30 seconds after locking the vehicle by pressing  once.
- Electronic key system: self-activated 30 seconds after locking the vehicle by pressing the button on any exterior door handle.



- Radio remote control or electronic key: directly by pressing  twice within five seconds.
- Electronic key system with passive locking enabled: briefly activated after passive locking occurs.



### Note

Changes to the vehicle interior such as the use of seat covers, and open windows or sunroof, 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, bonnet, windows and sunroof.
2. Press . LED in the button  illuminates for a maximum of ten minutes.

3. Close doors.
4. Activate the anti-theft alarm system.

Status message is displayed in the Driver Information Centre.

### Status LED



Status LED is integrated in the sensor on top of the instrument panel.

Status during the first 30 seconds of anti-theft alarm system activation:


LED illuminates : test, arming delay  
 LED flashes : doors, tailgate or bonnet not completely closed, or system fault

Status after system is armed:

LED flashes : system is armed slowly

Seek the assistance of a workshop in the event of faults.

### Deactivation

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




Electronic key system: Unlocking the vehicle by pressing the button on any exterior door handle deactivates the anti-theft alarm system.

The electronic key must be outside the vehicle, within a range of approx. one metre of the relevant door side.

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

### Alarm

When triggered, the alarm horn sounds and the hazard warning lights flash simultaneously. The number and duration of alarm signals are stipulated by legislation.

The anti-theft alarm system can be deactivated by pressing , by pressing the switch on the door handle with electronic key system or switching on the ignition.


A triggered alarm, which has not been interrupted by the driver, will be indicated by the hazard warning lights. They will flash quickly three times the next time the vehicle is unlocked with the radio remote control. Additionally a warning message is displayed in the Driver Information Centre after switching on the ignition.


Vehicle messages ⇨ 105.

### Immobiliser

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

The immobiliser is activated automatically after the key has been removed from the ignition switch.

If the control indicator  flashes when the ignition is on, there is a fault in the system; the engine cannot be started. Switch off the ignition and repeat the start attempt.

If the control indicator  continues flashing, attempt to start the engine using the spare key and seek the assistance of a workshop.

#### 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. You should always lock the vehicle after leaving it and switch on the anti-theft alarm system ⇨ 24, ⇨ 31.

Control indicator  ⇨ 97.

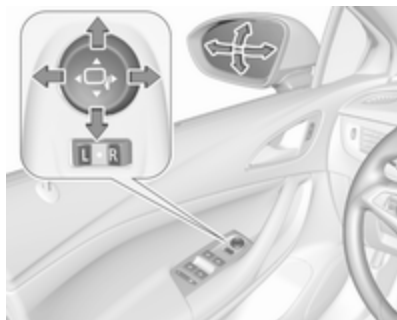
## Exterior mirrors

### Convex shape

The convex exterior mirror on the driver's side contains an aspherical area and reduces blind spots. The shape of the mirror makes objects appear smaller, which will affect the ability to estimate distances.

Side blind spot alert ⇨ 179.

### Electric adjustment



Select the relevant exterior mirror by switching the control to left (L) or right (R). Then swivel the control to adjust the mirror.

In position ● no mirror is selected.

## 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.

## Electric folding




Switch control to ●, then push the control ▾ down. Both exterior mirrors will fold.

Push the control down again - both exterior mirrors return to their original position.

If an electrically folded mirror is manually extended, pressing down the control will only electrically extend the other mirror.

## Heated mirrors



Operated by pressing .

Heating works with the engine running and is switched off automatically after a short time.

## Interior mirrors

### Manual anti-dazzle



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

### Automatic anti-dazzle



Dazzle from following vehicles at night is automatically reduced.

## Windows

### Windscreen

#### 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.

#### 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.

## Manual windows

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

## 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. Retained power off ⇨ 142.



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.

## Override safety function

In the event of closing difficulties due to frost or the like, switch on the ignition, then pull the switch to the first detent and hold. The window moves up without safety function enabled. To stop movement, release the switch.

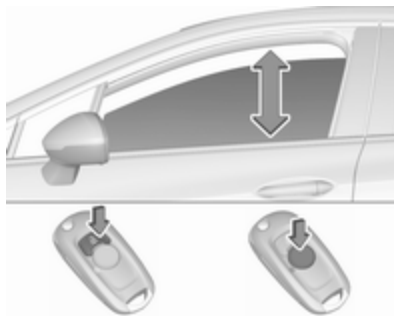
### Child safety system for rear windows





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

### Operating windows from outside

The windows can be operated remotely from outside the vehicle.



Press and hold  to open windows.  
 Press and hold  to close windows.  
 Release button to stop window movement.

If the windows are fully opened or 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

If the windows cannot be closed automatically (e.g. after disconnecting the vehicle battery), a warning message is displayed in the Driver Information Centre.

Vehicle messages ⇨ 105.

Activate the window electronics as follows:

1. Close doors.
2. Switch on ignition.
3. Pull switch until the window is closed and keep pulling for additional two seconds.
4. Push switch until the window is completely open and keep pushing for additional two seconds.
5. Repeat for each window.



## Heated rear window



Operated by pressing .

Heating works with the engine running and is switched off automatically after a short time.

## Sun visors

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

If the sun visors have integral mirrors, the mirror covers should be closed when driving.

A ticket holder is located on the backside of the sun visor.

## Roof

### Sunroof

#### Warning



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



Keep a close watch on the movable parts when operating them. Ensure that nothing becomes trapped in them as they move.

Switch on ignition to operate the sunroof.





### Open or close

Press  or  gently to the first detent: sunroof is opened or closed as long as the switch is operated.

Press  or  firmly to the second detent then release: the sunroof is opened or closed automatically. During closing the safety function is enabled. To stop movement, operate the switch once more.

### Raise or close

Press  or : sunroof is raised or closed automatically. During closing the safety function is enabled.

### Sunblind

The sunblind is manually operated.


Close or open the sunblind by sliding. When the sunroof is open, the sunblind is always open.

## General hints

### Safety function

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


### Override safety function

In the event of closing difficulties, e.g. due to frost, hold the switch  pressed to the second detent. The sunroof closes with safety function disabled. To stop movement, release the switch.

### Closing sunroof from outside

The sunroof can be closed remotely from outside the vehicle.



Press and hold  to close the sunroof.  
Release the button to stop the movement.

### Initialising after a power failure

After a power failure, it may only be possible to operate the sunroof to a limited extent. Have the system initialised by your workshop.

## Seats, restraints

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## Head restraints

### Position

#### ⚠ Warning

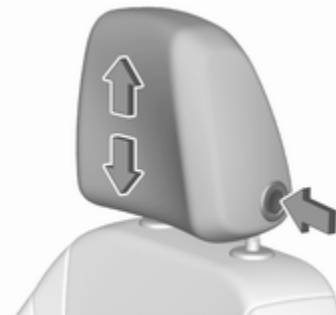
Only drive with the head restraint set to the proper position.



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.

### Adjustment

#### Head restraints on front seats



#### Height adjustment

Press release button, adjust height, engage.

## Head restraints on rear seats

**Height adjustment**

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

**Front seats****Seat position****⚠ Warning**

Only drive with the seat correctly adjusted.

**⚠ Danger**

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

**⚠ Warning**

Never adjust seats while driving as they could move uncontrollably.

**⚠ Warning**

Never store any objects under the seats.



- Sit with buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that legs are slightly angled when fully pressing the pedals. Slide the front passenger seat as far back as possible.
- Set 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. Your 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 on the backrest.
- Adjust the steering wheel ⇨ 76.
- Adjust the head restraint ⇨ 41.
- Adjust the thigh support so that there is a space approx. two fingers wide between the edge of the seat and the hollow of the knee.
- Adjust the lumbar support so that it supports the natural shape of the spine.

## Manual seat adjustment

Drive only with engaged seats and backrests.

### Longitudinal adjustment

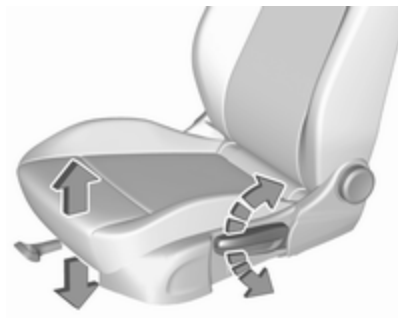


Pull handle, slide seat, release handle. Try to move the seat back and forth to ensure that the seat is locked in place.

### Backrest inclination



Turn handwheel. Do not lean on backrest when adjusting.

**Seat height**

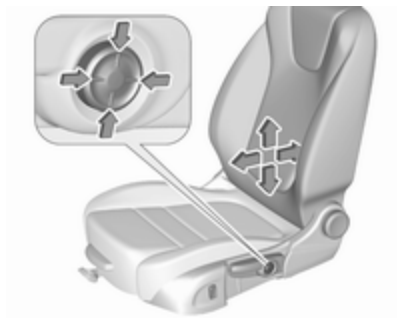
Lever pumping motion

up : seat higher  
down : seat lower

**Seat inclination**

Press switch

top : front end higher  
bottom : front end lower

**Lumbar support**

Adjust lumbar support using the four-way switch to suit personal requirements.

Moving support up and down: push switch up or down.

Increasing and decreasing support: push switch forwards or backwards.

### Adjustable thigh support



Pull the lever and slide the thigh support.

### Power seat adjustment

#### **⚠ 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.

### Longitudinal adjustment



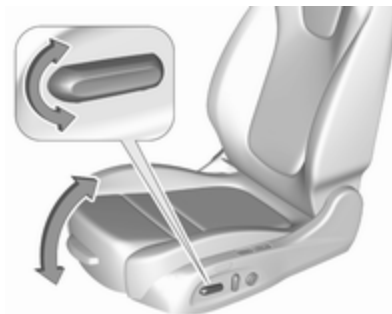
Move switch forwards/backwards.

### Seat height



Move switch upwards/downwards.

### Seat inclination



Tilt front of switch upwards/  
downwards.

### Backrest inclination



Tilt switch forwards/backwards.

### Lumbar support



Adjust lumbar support using the  
four-way switch to suit personal  
requirements.

Moving support up and down: push  
switch up or down.

Increasing and decreasing support:  
push switch forwards or backwards.

### Adjustable thigh support



Pull the lever and slide the thigh  
support.



## Side bolster



Adjust seat backrest width to suit personal requirements.

Press  to reduce backrest width.

Press  to increase backrest width.

## Memory function for power seat adjustment

Two different driver's seat settings can be stored.

Memorised settings ⇨ 24, Vehicle personalisation ⇨ 107.



### Storing memory position

- Adjust driver's seat to desired position.
- Press and hold **MEM** and **1** or **2** simultaneously until a chime sounds.

### Recall of memory positions

Press and hold **1** or **2** until the stored seat position has been reached. Releasing the button during seat movement cancels the recall.

### Storing position by remote control

Actual driver's seat position is automatically stored by the radio remote control key each time the

ignition is switched off. These stored positions are independent of the memory positions stored by the button **1** or **2**.

The stored positions are automatically recalled by switching on the ignition.

To stop recall movement, press one of the memory or power seat controls.

This function can be activated or deactivated in the vehicle personalisation.

Select the relevant setting in the **Vehicle** menu in the Info-Display.

Info-Display ⇨ 103.

Vehicle personalisation ⇨ 107.

### Easy exit function

For a convenient exit out of the vehicle, the power driver seat moves rearwards when vehicle is stationary.

To activate, switch off ignition, remove key from the ignition switch and open the driver's door. If the door is already open, switch off ignition to activate the recall.

To stop recall movement, press one of the memory or power seat controls.

This function can be activated or deactivated in the vehicle personalisation.

Select the relevant setting in the **Vehicle** menu in the Info-Display.

Info-Display ⇨ 103.

Vehicle personalisation ⇨ 107.

### Safety function

If the driver's seat encounters resistance during movement, the recall may stop. After removing the obstruction, press and hold the appropriate memory position button for two seconds. Try recalling the memory position again. If the recall does not operate, consult a workshop.

### Overload

If the seat setting is electrically overloaded, the power supply is automatically cut-off for a short time.

### Note

After an accident in which airbags have been deployed, the memory function for each position button will be deactivated.

## Armrest




The armrest can be slid forwards by 10 cm. Under the armrest there is a storage compartment.

Armrest storage ⇨ 67.

## Heating



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.

Prolonged use of the highest setting for people with sensitive skin is not recommended.

The seat heating will be reduced automatically from highest level to medium level after 30 minutes.

Seat heating is operational when engine is running and during an Autostop.

Stop-start system ⇨ 145.

### Automatic seat heating

Depending on the equipment, the automatic seat heating can be enabled in the vehicle personalisation menu in the Info-Display.

Vehicle personalisation ⇨ 107.


When enabled, the heating of the seats will be activated automatically at vehicle start. The activation is based on several parameters such as vehicle interior temperature, intensity and direction of the sun and temperature setting of the electronic climate control system for the driver and passenger side.

As the vehicle's interior warms up, the seat heating level will be reduced automatically until it finally goes off. The seat heating level being provided during the automatic operation is shown by heated seat indicator lights. If the passenger seat is unoccupied, the automatic seat heating feature will not activate the seat heating for that seat.

The seat heating buttons can be pressed at any time to exit the automatic seat heating for the respective seat and control the seat heating manually instead.

### Ventilating





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

Ventilated seats are operational when engine is running and during an Autostop.

Stop-start system ⇨ 145.

### Massage



Press  to switch on the back massage function. To switch off, press  again.

## Rear seats


### Armrest




Fold armrest down.

### Heating



Activate seat heating by pressing  for the respective rear outer seat. Activation is indicated by the LED in the button.

Press  once more to deactivate seat heating.

Prolonged use for people with sensitive skin is not recommended.

Seat heating is operational when engine is running and during an Autostop.

Stop-start system  $\rightarrow$  145.

## Seat belts



The seat belts are locked during heavy acceleration or deceleration of the vehicle holding the occupants in the sitting position. Thereby 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 ⇨ 59.




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

Have damaged components replaced. After an accident, have the 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.

#### Seat belt reminder

Each seat is equipped with a seat belt reminder, indicated for front seats by control indicators  and , or for rear seats by the symbol  in the Driver Information Centre ⇨ 92.

#### 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 and rear seat belts are tightened. The front seat belts are tightened by two pretensioners per seat. The outer rear seat belts are tightened by one pretensioner per seat.

#### ⚠ Warning

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

Deployment of the belt pretensioners is indicated by continuous illumination of control indicator  ⇨ 93.

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

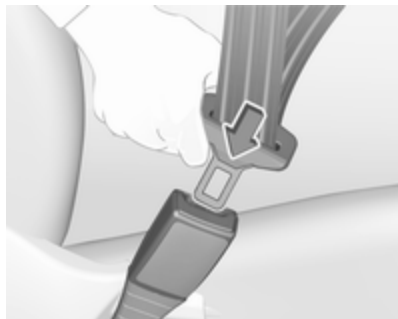
modifications to belt pretensioner components as this will invalidate the vehicle type approval.

#### Three-point seat belt

##### Fastening



Withdraw the belt from the retractor, guide it untwisted across the body and insert the latch plate into the buckle. Tighten the lap belt regularly whilst driving by pulling the shoulder belt.



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

### **⚠ Warning**

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

Seat belt reminder    92.

### Removing



To release belt, press red button on belt buckle.

### Using the seat belt while pregnant



### **⚠ Warning**

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

## Airbag system

The airbag system consists of a number of individual systems depending on the scope of equipment.

When triggered, the airbags inflate within milliseconds. They also deflate so quickly that it is often unnoticeable during the collision.

### ⚠ Warning

If handled improperly, the airbag systems can be triggered in an explosive manner.

### Note

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



Do not stick anything on the airbag covers and do not cover them with other materials.

Each airbag is triggered only once. Have deployed airbags replaced by a workshop. Furthermore, it might 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 type approval.

When the airbags inflate, escaping hot gases may cause burns.

Control indicator  for airbag systems  93.

### Child restraint systems on front passenger seat with airbag systems

Warning according to ECE R94.02:



**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.

**RU:** ЗАПРЕЩАЕТСЯ устанавливать детское удерживающее устройство лицом назад на сиденье автомобиля,

оборудованном фронтальной подушкой безопасности, если ПОДУШКА НЕ ОТКЛЮЧЕНА! Это может привести к СМЕРТИ или СЕРЬЕЗНЫМ ТРАВМАМ РЕБЕНКА.

**NL:** Gebruik NOOIT een achterwaarts gericht kinderzitje op een stoel met een ACTIEVE AIRBAG ervoor, om DODELIJK of ERNSTIG LETSEL van het KIND te voorkomen.

**DA:** Brug ALDRIG en bagudvendt autostol på et forsæde med AKTIV AIRBAG, BARNET kan komme i LIVSFARE eller komme ALVORLIGT TIL SKADE.

**SV:** Använd ALDRIG en bakåtvänd barnstol på ett säte som skyddas med en framförvarande AKTIV AIRBAG. DÖDSFALL eller ALLVARLIGA SKADOR kan drabba BARNET.

**FI:** ÄLÄ KOSKAAN sijoita taaksepäin suunnattua lasten turvaistuinta istuimelle, jonka edessä on AKTIIVINEN TURVATYYNY, LAPSI VOI KUOLLA tai VAMMAUTUA VAKAVASTI.

**NO:** Bakovervendt barnesikringsutstyr må ALDRI brukes på et sete med AKTIV KOLLISJONSPUTE foran, da det kan føre til at BARNET utsettes for LIVSFARE og fare for ALVORLIGE SKADER.

**PT:** NUNCA use um sistema de retenção para crianças voltado para trás num banco protegido com um AIRBAG ACTIVO na frente do mesmo, poderá ocorrer a PERDA DE VIDA ou FERIMENTOS GRAVES na CRIANÇA.

**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!

**EL:** ΠΟΤΕ μη χρησιμοποιείτε παιδικό κάθισμα ασφαλείας με φορά προς τα πίσω σε κάθισμα που προστατεύεται από μετωπικό ΕΝΕΡΓΟ ΑΕΡΟΣΑΚΟ, διότι το παιδί μπορεί να υποστεί ΘΑΝΑΣΙΜΟ ή ΣΟΒΑΡΟ ΤΡΑΥΜΑΤΙΣΜΟ.

**PL:** NIE WOLNO montować fotelika dziecięcego zwróconego tyłem do kierunku jazdy na fotelu, przed którym znajduje się WŁĄCZONA PODUSZKA POWIETRZNA. Niezastosowanie się do tego zalecenia może być przyczyną ŚMIERCI lub POWAŻNYCH OBRAŻEŃ u DZIECKA.

**TR:** Arkaya bakan bir çocuk emniyet sistemini KESİNLİKLE önünde bir AKTİF HAVA YASTIĞI ile korumakta olan bir koltukta kullanmayınız. ÇOCUK ÖLEBİLİR veya AĞIR ŞEKİLDE YARALANABİLİR.

**UK:** НІКОЛІ не використовуйте систему безпеки для дітей, що встановлюється обличчям назад, на сидінні з УВІМКНЕНОЮ ПОДУШКОЮ БЕЗПЕКИ, інакше це може призвести до СМЕРТІ чи СЕРІОЗНОГО ТРАВМУВАННЯ ДИТИНИ.

**HU:** SOHA ne használjon hátrafelé néző biztonsági gyerekülést előlről AKTÍV LÉGZSÁKKAL védett ülésen, mert a GYERMEK HALÁLÁT vagy KOMOLY SÉRÜLÉSÉT okozhatja.



**HR:** NIKADA nemojte koristiti sustav zadržavanja za djecu okrenut prema natrag na sjedalu s AKTIVNIM ZRAČNIM JASTUKOM ispred njega, to bi moglo dovesti do SMRTI ili OZBILJNIH OZLJEDA za DIJETE.

**SL:** NIKOLI ne nameščajte otroškega varnostnega sedeža, obrnjenega v nasprotni smeri vožnje, na sedež z AKTIVNO ČELNO ZRAČNO BLAZINO, saj pri tem obstaja nevarnost RESNIH ali SMRTNIH POŠKODB za OTROKA.

**SR:** NIKADA ne koristiti bezbednosni sistem za decu u kome su deca okrenuta unazad na sedištu sa AKTIVNIM VAZDUŠNIM JASTUKOM ispred sedišta zato što DETE može da NASTRADA ili da se TEŠKO POVREDI.

**MK:** НИКОГАШ не користете детско седиште свртено наназад на седиште заштитено со АКТИВНО ВОЗДУШНО ПЕРНИЧЕ пред него, затоа што детето може ДА ЗАГИНЕ или да биде ТЕШКО ПОВРЕДЕНО.

**BG:** НИКОГА не използвайте детска седалка, гледаща назад, върху седалка, която е защитена

чрез АКТИВНА ВЪЗДУШНА ВЪЗГЛАВНИЦА пред нея - може да се стигне до СМЪРТ или СЕРИОЗНО НАРАНЯВАНЕ на ДЕТЕТО.

**RO:** Nu utilizați NICIODATĂ un scaun pentru copil îndreptat spre partea din spate a mașinii pe un scaun protejat de un AIRBAG ACTIV în fața sa; acest lucru poate duce la DECESUL sau VĂTĂMAREA GRAVĂ a COPILULUI.

**CS:** NIKDY nepoužívejte dětský zádržný systém instalovaný proti směru jízdy na sedadle, které je chráněno před sedadlem AKTIVNÍM AIRBAGEM. Mohlo by dojít k VÁŽNĚMU PORANĚNÍ nebo ÚMRTÍ DÍTĚTE.

**SK:** NIKDY nepoužívajte detskú sedačku otočenú vzad na sedadle chránenom AKTÍVNÝM AIRBAGOM, pretože môže dôjsť k SMRTI alebo VÁŽNÝM ZRANENIAM DIEŤAŤA.

**LT:** JOKIU BŪDU nemontuokite atgal atgręžtos vaiko tvirtinimo sistemas sėdynėje, prieš kurią įrengta AKTYVI ORO PAGALVĖ, nes VAIKAS GALI ŽŪTI arba RIMTAI SUSIŽALOTI.

**LV:** NEKĀDĀ GADĪJUMĀ neizmantojiet uz aizmuguri vērstu bērnu sēdekļīti sēdvietā, kas tiek aizsargāta ar tās priekšā uzstādītu AKTĪVU DROŠĪBAS SPILVENU, jo pretējā gadījumā BĒRNS var gūt SMAGAS TRAUMAS vai IET BOJĀ.

**ET:** ÄRGE kasutage tahapoole suunatud lapseturvaistet istmel, mille ees on AKTIIVSE TURVAPADJAGA kaitstud iste, sest see võib põhjustada LAPSE SURMA või TÕSISE VIGASTUSE.

**MT:** QATT tuża trażżin għat-tfal li jħares lejn in-naħa ta' wara fuq sit protett b'AIRBAG ATTIV quddiemu; dan jista' jikkawża l-MEWJ jew ĠRIEHI SERJI lit-TFAL.

Beyond the warning required by ECE R94.02, for safety reasons a forward-facing child restraint system must only be used subject to the instructions and restrictions in the table ⇨ 62.

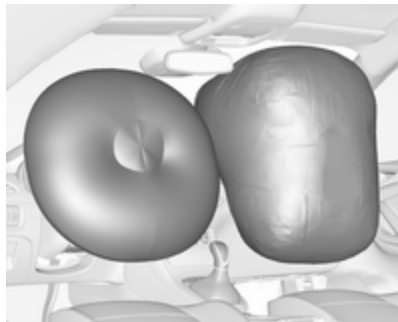
The airbag label is located on both sides of the front passenger sun visor.

Airbag deactivation ⇨ 57.

## Front airbag system

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.

Seat position ⇨ 42.

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.

## Side airbag system



The side airbag system consists of an airbag in each front seat backrest. This can be identified by the word **AIRBAG**.

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



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

### ⚠ Warning

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

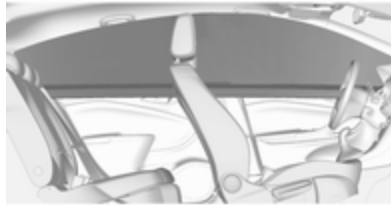
#### Note

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

## Curtain airbag system

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

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



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

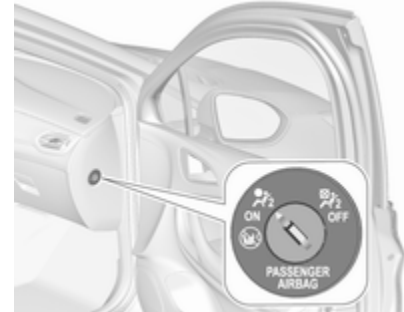
### ⚠ Warning

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 front passenger airbag system must be deactivated for child restraint system on the passenger seat according to the instructions in the table ↻ 62. 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 right 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


### Danger

Deactivate passenger airbag only in combination with the use of a child restraint system, subject to the instructions and restrictions in the table  62.

Otherwise, there is a risk of fatal injury for a person occupying a seat with a deactivated front passenger airbag.



Status remains until the next change.  
Control indicator for airbag deactivation  93.

If the control indicator  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 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 restraint systems

#### **⚠ Danger**

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 tables ⇨ 62.

Airbag deactivation ⇨ 57, Airbag label ⇨ 53.

We recommend a child restraint system which is tailored specifically to the vehicle. For further information, contact your workshop.

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.

Always comply with local or national regulations. In some countries, the use of child restraint systems is forbidden on certain seats.

Child restraint systems can be fastened with:

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

#### **Three-point seat belt**

Child restraint systems can be fastened by using a three-point seat belt. Depending on the size of the used child restraint systems, up to three child restraint systems can be attached to the rear seats ⇨ 62.

#### **ISOFIX brackets**



Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX mounting brackets. Specific vehicle ISOFIX child restraint system positions are marked in the ISOFIX table ⇨ 62.

ISOFIX mounting brackets are indicated by a label on the backrest.

An i-Size child restraint system is an universal ISOFIX child restraint system according UN Regulation No. 129.


All i-Size child restraint systems can be used on any vehicle seat suitable for i-Size, i-Size table ⇨ 62.

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




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

### Top-tether fastening eyes

Top-tether fastening eyes are marked with the symbol  for a child seat.



In addition to the ISOFIX mounting brackets, fasten the Top-tether strap to the Top-tether fastening eyes. The strap must run between the two guide rods of the head restraint.

ISOFIX child restraint systems of universal category positions are marked in the table by IUF .

### 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.

Suitable are 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:

Maxi Cosi Cabriofix for children up to 13 kg for group 0, group 0+ and Duo Plus for children from 13 kg to 18 kg in group I.

Ensure that the child restraint system to be installed is compatible with the vehicle type.

Ensure that the mounting location of the child restraint system within the vehicle is correct, see following tables.

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

### Permissible options for fastening a child restraint system with a three-point seat belt

Weight and age class	On front passenger seat		On rear outboard seats	On rear centre seat
	activated airbag	deactivated airbag		
<b>Group 0: up to 10 kg</b> or approx. 10 months	X	U <sup>1,2</sup>	U/L <sup>3</sup>	U
<b>Group 0+: up to 13 kg</b> or approx. 2 years	X	U <sup>1,2</sup>	U/L <sup>3</sup>	U
<b>Group I: 9 to 18 kg</b> or approx. 8 months to 4 years	X	U <sup>1,2</sup>	U/L <sup>3,4</sup>	U <sup>4</sup>
<b>Group II: 15 to 25 kg</b> or approx. 3 to 7 years	U <sup>1,2</sup>	X	U/L <sup>3,4</sup>	U <sup>4</sup>
<b>Group III: 22 to 36 kg</b> or approx. 6 to 12 years	U <sup>1,2</sup>	X	U/L <sup>3,4</sup>	U <sup>4</sup>

U : universal suitability in conjunction with three-point seat belt

L : suitable for particular child restraint systems of the 'specific-vehicle', 'restricted' or 'semi-universal' categories. The child restraint system must be approved for the specific vehicle type (refer to the vehicle type list of the child restraint system)

X : no child restraint system permitted in this weight class

<sup>1</sup> : move seat forwards as far as necessary and adjust seat backrest inclination as far as necessary to a vertical position to ensure that the belt runs forwards from the upper anchorage point



- <sup>2</sup> : move seat height adjustment upwards as far as necessary and adjust seat backrest inclination as far as necessary to a vertical position to ensure that the belt is tight on the buckle side
- <sup>3</sup> : move the respective front seat ahead of the child restraint system forwards as far as necessary
- <sup>4</sup> : adjust the respective headrest as necessary or remove if required

### Permissible options for fitting an ISOFIX child restraint system with ISOFIX brackets

Weight and age class	Size class	Fixture	On front passenger seat		On rear outboard seats	On rear centre seat
			activated airbag	deactivated airbag		
Group 0: up to 10 kg or approx. 10 months	G	ISO/L2	X	X	X	X
	F	ISO/L1	X	X	X	X
	E	ISO/R1	X	X	IL <sup>3</sup>	X
Group 0+: up to 13 kg or approx. 2 years	E	ISO/R1	X	X	IL <sup>3</sup>	X
	D	ISO/R2	X	X	IL <sup>3</sup>	X
	C	ISO/R3	X	X	IL <sup>3</sup>	X
Group I: 9 to 18 kg or approx. 8 months to 4 years	D	ISO/R2	X	X	IL <sup>3,4</sup>	X
	C	ISO/R3	X	X	IL <sup>3,4</sup>	X
	B	ISO/F2	X	X	IL, IUF <sup>3,4</sup>	X
	B1	ISO/F2X	X	X	IL, IUF <sup>3,4</sup>	X
	A	ISO/F3	X	X	IL, IUF <sup>3,4</sup>	X

Weight and age class	Size class	Fixture	On front passenger seat		On rear outboard seats	On rear centre seat
			activated airbag	deactivated airbag		
Group II: 15 to 25 kg or approx. 3 to 7 years			X	X	IL <sup>3,4</sup>	X
Group III: 22 to 36 kg or approx. 6 to 12 years			X	X	IL <sup>3,4</sup>	X

IL : suitable for particular ISOFIX restraint systems of the 'specific-vehicle', 'restricted' or 'semi-universal' categories. The ISOFIX restraint system must be approved for the specific vehicle type (refer to the vehicle type list of the child restraint system)

IUF : suitable for ISOFIX forward-facing child restraint systems of universal category approved for use in this weight class

X : no ISOFIX child restraint system approved in this weight class

<sup>1</sup> : move seat forwards as far as necessary and adjust seat backrest inclination as far as necessary to a vertical position to ensure that the belt runs forwards from the upper anchorage point

<sup>2</sup> : move seat height adjustment upwards as far as necessary and adjust seat backrest inclination as far as necessary to a vertical position to ensure that the belt is tight on the buckle side

<sup>3</sup> : move the respective front seat ahead of the child restraint system forwards as far as necessary

<sup>4</sup> : adjust the respective headrest as necessary or remove if required

### ISOFIX size class and seat device

A – ISO/F3 : forward-facing child restraint system for children of maximum size in the weight class 9 to 18 kg

B – ISO/F2 : forward-facing child restraint system for smaller children in the weight class 9 to 18 kg

B1 – ISO/F2X : forward-facing child restraint system for smaller children in the weight class 9 to 18 kg

C – ISO/R3 : rear-facing child restraint system for children of maximum size in the weight class up to 18 kg

D – ISO/R2 : rear-facing child restraint system for smaller children in the weight class up to 18 kg

E – ISO/R1 : rear-facing child restraint system for young children in the weight class up to 13 kg

- F– ISO/L1 : left lateral facing position child restraint system (carry-cot)  
 G – ISO/L2 : right lateral facing position child restraint system (carry-cot)

### Permissible options for fitting an i-Size child restraint system with ISOFIX brackets

	On front passenger seat		On rear outboard seats	On rear centre seat
	activated airbag	deactivated airbag		
<b>i-Size child restraint systems</b>	X	X	i - U	X

i - U : suitable for i-Size 'universal' forward and rearward facing child restraint systems

X : seating position not suitable for i-Size 'universal' child restraint systems

## Storage

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## Storage compartments

### ⚠ Warning

Do not store heavy or sharp objects in the storage compartments. Otherwise, the storage compartment lid could open and vehicle occupants could be injured by objects being thrown around in the event of hard braking, a sudden change in direction or an accident.

## Glovebox

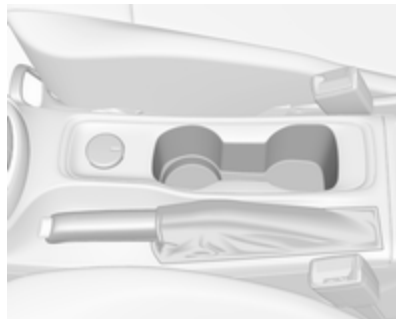


The glovebox features a pen holder, a coin holder and an adapter for the locking wheel nuts.

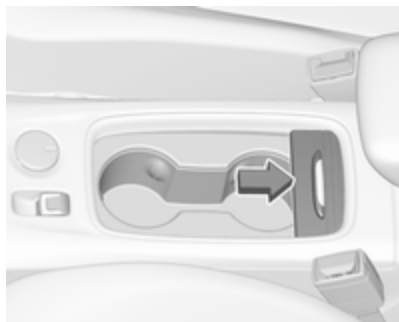
The glovebox may also contain a CD player and a tool for removing the fuse cover with power connector.

The glovebox should be closed whilst driving.

## Cupholders



Cupholders are located in the centre console.



Depending on the version, cupholders are located under a cover in the centre console. Slide cover backwards.

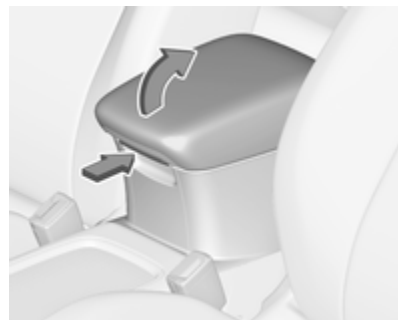
## Front storage



A storage compartment is located next to the steering wheel.

## Armrest storage

### Storage under the front armrest



Press button to fold up the armrest. The armrest must be in rearmost position.

## Load compartment

Depending on the equipment, the rear seat backrest is divided into two or three parts. All parts can be folded down.

### Load compartment extension (two-part rear seat backrest)

- Remove the load compartment cover if necessary.
- Press and hold the catch to push the head restraints down ⇨ 41.

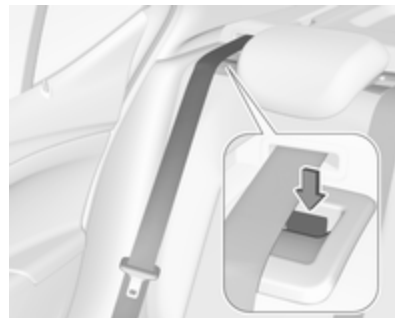


- Guide the seat belts of the outer seats through side supports to protect them against damage. When folding the backrests, pull the seat belts along with them.
- Pull the release lever on one or both outer sides and fold down the backrests onto the seat cushion.
- Pull out the head restraints to have the backrests fully rest on the seat cushions.



- Take the seat belt out of the seat backrest guide and put it behind the retainer as shown in the illustration.

To fold up, raise the backrests and guide them into an upright position until they engage audibly.



The backrests are properly engaged when the red marks on both sides near the release lever 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.

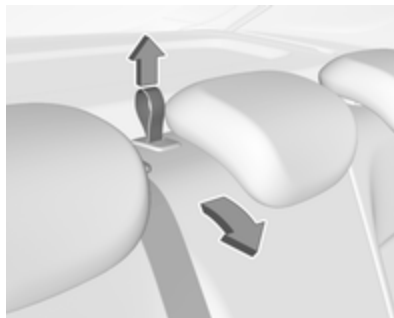


The seat belt of the centre seat could be blocked when the backrest is folded up too quickly. To unlock the retractor, push in the seat belt or pull it out by approx. 20 mm then release.

### Load compartment extension (three-part rear seat backrest)

- Remove the load compartment cover if necessary.
- Press and hold the catch to push the head restraints down ⇨ 41.

- Fold up the rear armrest.



- Pull the handle and fold down the backrest of the centre seat.
- Pull the release lever on one or both outer sides and fold down the backrests onto the seat cushion.

### Warning

Take care when folding down the right outer seat backrest if the centre seat backrest is already folded down. Risk of injury due to bolt protruding from the inner side of the backrest.

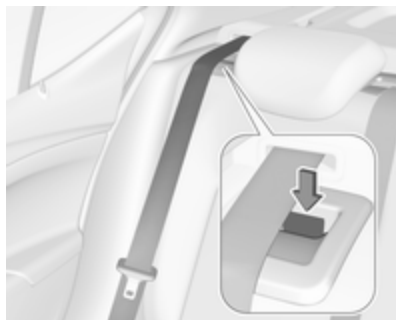


- Guide the seat belts of the outer seats through side supports to protect them against damage. When folding the backrests, pull the seat belts along with them.
- Pull out the head restraints to get the backrests fully rest on the seat cushions.



- Take the seat belt out of the seat backrest guide and put it behind the retainer as shown in the illustration.

To fold up, raise the backrests and guide them into an upright position until they engage audibly.



The backrests are properly engaged when the red marks on both sides near the release lever 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.



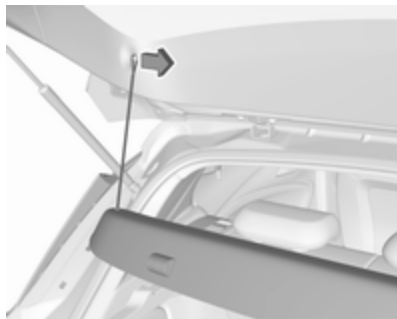
The seat belt of the centre seat could be blocked when the backrest is folded up too quickly. To unlock the retractor, push in the seat belt or pull it out by approx. 20 mm then release.

#### **Load compartment cover**

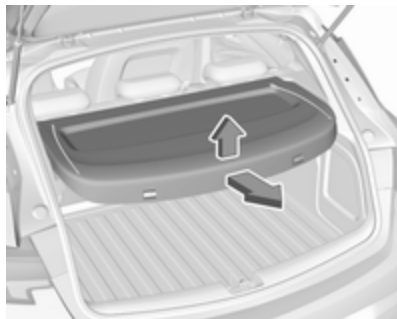
Do not place any objects on the cover.



## Removing



Unhook retaining straps from tailgate.



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

Remove the cover.

## Fitting

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

## Rear floor storage cover

### Rear floor cover



The rear floor cover can be removed. Raise cover at the rear and slightly rotate at one side before removing.

## Lashing eyes

The lashing eyes are designed to secure items against slippage, e.g. using lashing straps or luggage net. First remove the rear floor storage cover to get access to the lashing eyes.



On vehicles equipped with a spare wheel, the front lashing eyes are located at the sidewalls.

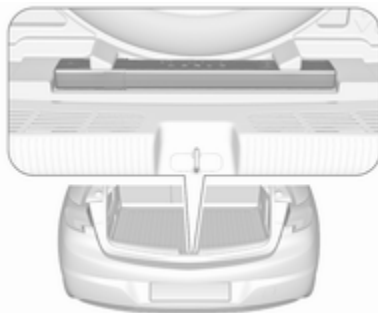


On vehicles equipped with tyre repair kit, the front lashing eyes are located underneath the rear floor cover behind the rear seats. To get access to the lashing eyes, open the perforated parts of the cover by using the screwdriver. Vehicle tools ⇨ 218.

Stick the screwdriver through the cover as shown in the illustration and fold up the perforated part of the cover.

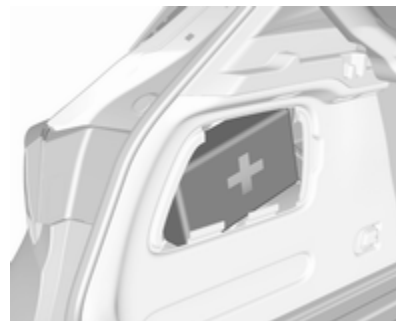
Fold up the lashing eyes by using the screwdriver.

### Warning triangle



Stow the warning triangle in the recess.

### First aid kit



Stow the first aid kit in the compartment.

To open the compartment, disengage cover and open it.

## Roof rack system

### Roof rack

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

Remove the roof rack when not in use.

### Mounting roof rack



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.

## Loading information



- Heavy objects in the load compartment should be placed against the seat backrests. Ensure that the backrests are securely engaged. If objects can be stacked, heavier objects should be placed at the bottom.
- Secure objects with lashing straps attached to lashing eyes ↻ 71.
- Secure loose objects in the load compartment to prevent them from sliding.

- Do not allow the load to protrude above the upper edge of the backrests.
- Do not place any objects on the load compartment cover or the instrument panel, 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 lever, 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.

### 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.

- The payload is the difference between the permitted gross vehicle weight (see identification

plate ⇨ 243) 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 tyre 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.

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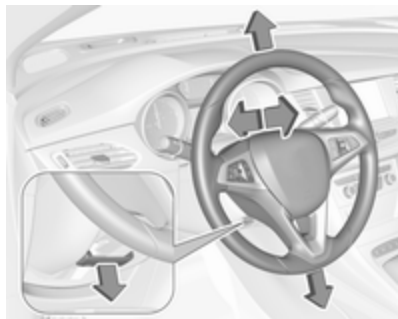
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## Controls

### Steering wheel adjustment

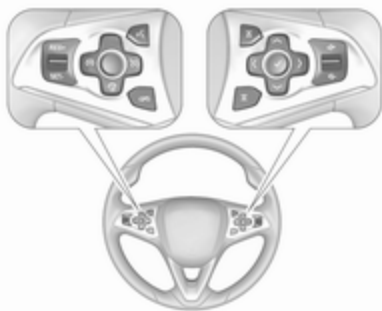


Unlock lever, adjust steering wheel, then engage lever and ensure it is fully locked.

Do not adjust steering wheel unless vehicle is stationary and steering wheel lock has been released.

### Steering wheel controls

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



The illustrations show different versions.




Driver Information Centre ⇨ 98.

Driver assistance systems ⇨ 163.

Further information is available in the Infotainment manual.

## Heated steering wheel



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



The recommended grip areas of the steering wheel are heated quicker and to a higher temperature than the other areas.

Heating is operational when the engine is running and during an Autostop.

Stop-start system ⇨ 145.

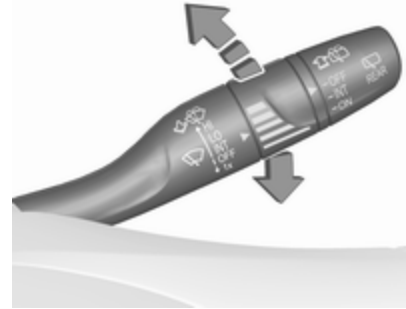
## Horn



Press .

## Windscreen wiper/washer

### Windscreen wiper with adjustable wiper interval



**HI** : fast  
**LO** : slow  
**INT** : interval wiping  
**OFF** : off

For a single wipe when the windscreen wiper is off, press the lever downwards to position **1x**.

Do not use if the windscreen is frozen.

Switch off in car washes.

## Adjustable wiper interval

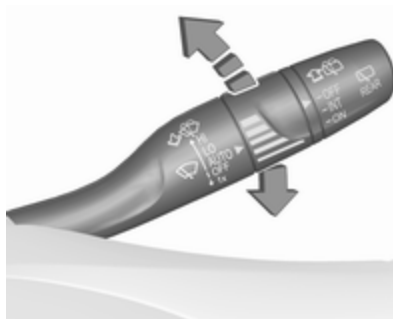


Wiper lever in position **INT**.

Turn the adjuster wheel to adjust the desired wipe interval:

- short interval : turn adjuster wheel upwards
- long interval : turn adjuster wheel downwards

## Windscreen wiper with rain sensor



- HI** : fast
- LO** : slow
- AUTO** : automatic wiping with rain sensor
- OFF** : off

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

For a single wipe when the windscreen wiper is off, press the lever downwards to position **1x**.

Do not use if the windscreen is frozen.

Switch off in car washes.

## Adjustable sensitivity of the rain sensor



Wiper lever in position **AUTO**.

Turn the adjuster wheel to adjust the sensitivity:

- low sensitivity : turn adjuster wheel downwards
- high sensitivity : turn adjuster wheel upwards





Keep the sensor free from dust, dirt and ice.

Rain sensor function can be activated or deactivated in the Vehicle personalisation.

Select the relevant setting in **Settings**,  
 ♦ **Vehicle** in the Info-Display.

Info-Display ⇨ 103.

Vehicle personalisation ⇨ 107.

### Windscreen washer



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

Washer fluid ⇨ 200

### Rear window wiper/washer



Turn outer cap to activate the rear window wiper:

**ON** : continuous operation  
**INT** : intermittent operation  
**OFF** : off

Do not use if the rear window is frozen.

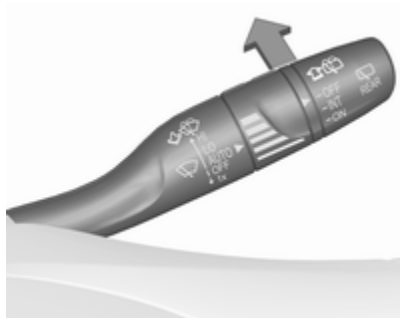
Switch off in car washes.

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 menu **Settings** in the Info-Display.

Vehicle personalisation ⇨ 107.

### Rear window washer



Push lever.

Washer fluid is sprayed onto the rear window and the wiper wipes a few times.

The rear window washer system is deactivated when the fluid level is low.

Washer fluid ⇨ 200

### Outside temperature

A drop in temperature is indicated immediately and a rise in temperature after a time delay.



Illustration shows an example.



Ice Possible.  
Drive  
with Care

If outside temperature drops to 3 °C, a warning message is displayed in the Driver Information Centre.

#### Warning

The road surface may already be icy even though the display indicates a few degrees above 0 °C.

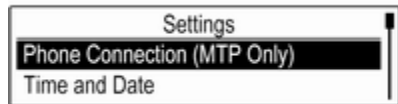
### Clock

Date and time are shown in the Info-Display.

Info-Display ⇨ 103

## Graphic-Info-Display

Press **MENU** to open the respective audio menu.



Select **Time and Date**.

### Set Time

Select **Set Time** to enter the respective submenu.

Select **Auto Set** at the bottom of the screen. Activate either **On - RDS** or **Off (Manual)**.

If **Off (Manual)** is selected, adjust hours and minutes.

Repeatedly select **12-24 HR** at the bottom of the screen to choose a time mode.

If the 12-hour mode is selected, a third column for AM and PM selection is displayed. Select the desired option.

### Set Date

Select **Set Date** to enter the respective submenu.

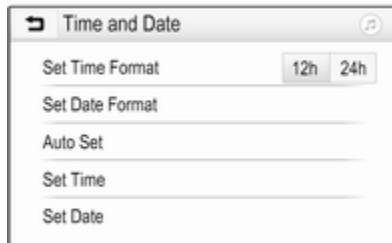
Select **Auto Set** at the bottom of the screen. Activate either **On - RDS** or **Off (Manual)**.

If **Off (Manual)** is selected, adjust the date settings.

## 7" Colour-Info-Display

Press  and then select **Settings**.

Select **Time and Date** to display the respective submenu.



### Set Time Format

To select the desired time format, touch the screen buttons **12 h** or **24 h**.

### Set Date Format

To select the desired date format, select **Set Date Format** and choose between the available options in the submenu.

### Auto Set

To choose whether time and date are to be set automatically or manually, select **Auto Set**.

For time and date to be set automatically, select **On - RDS**.


For time and date to be set manually, select **Off - Manual**. If **Auto Set** is set to **Off - Manual**, the submenu items **Set Time** and **Set Date** become available.

### Set time and date

To adjust the time and date settings, select **Set Time** or **Set Date**.

Touch **+** and **-** to adjust the settings.

### 8" Colour-Info-Display

Press  and then select the **Settings** icon.



Select **Time and Date**.

#### Set time

Select **Set Time** to enter the respective submenu.



Select **Auto Set** at the bottom of the screen. Activate either **On - RDS** or **Off - Manual**.

If **Off - Manual** is selected, adjust hours and minutes by touching  or .

Touch **12-24 Hr** on the right side of the screen to select a time mode.

If 12-hour mode is selected, a third column for AM and PM setting is displayed. Select the desired option.



#### Set date

Select **Set Date** to enter the respective submenu.

#### Note

If date information is automatically provided, this menu item is not available.

Select **Auto Set** at the bottom of the screen. Activate either **On - RDS** or **Off - Manual**.

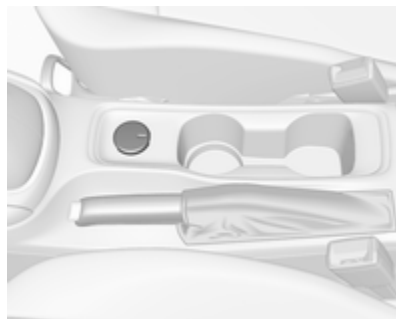
If **Off - Manual** is selected, adjust the date by touching  or .

#### Clock display

Select **Clock Display** to enter the respective submenu.

To turn off the digital clock display in the menus, select **Off**.

### Power outlets



A 12 Volt power outlet is located in the centre console.

Do not exceed the maximum power consumption of 120 watts.

With ignition off the power outlet is deactivated. Additionally the 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 outlets by using unsuitable plugs.

Stop-start system ↪ 145.

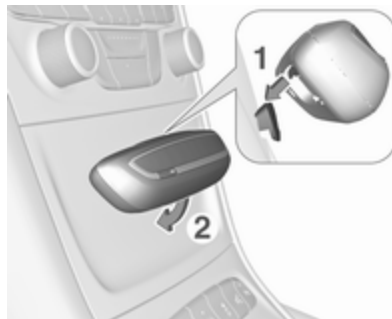
## Power connector



The power connector (PowerFlex Bar) is attached on the instrument panel fuse box cover. A fragrance diffuser (AirWellness) or a phone holder can be attached to the power connector.

Further information regarding phone holder is available in the Infotainment manual.

## Fragrance diffuser



1. Attach fragrance diffuser to upper side of the power connector (1) and swivel downwards to engage (2).



2. Press front button to activate and deactivate the fragrance diffuser. LED indicates activation.
3. To remove fragrance diffuser, press diffuser downwards and swivel backwards.



4. To replace fragrance pad, shift cartridge upwards and remove it.



5. Replace fragrance pad.

## Ashtrays

### Caution

To be used only for ash and not for combustible rubbish.



A portable ashtray can be placed in the cupholders.

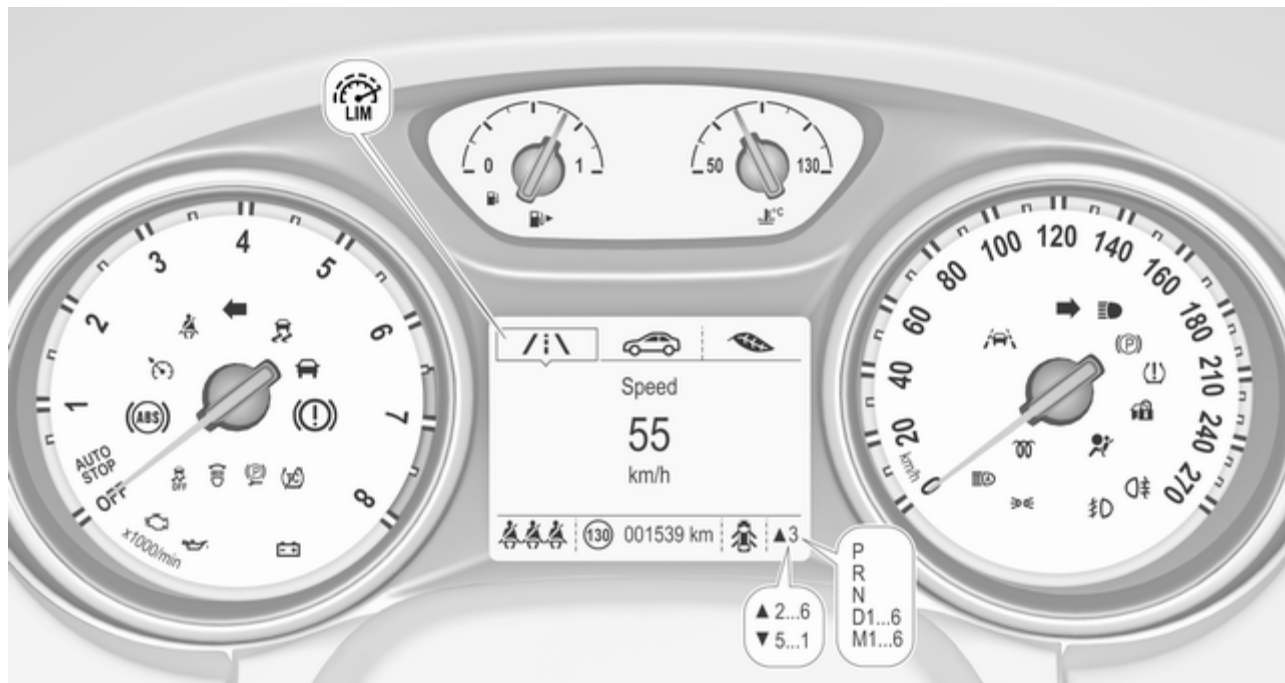
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## Warning lights, gauges and indicators

### Instrument cluster

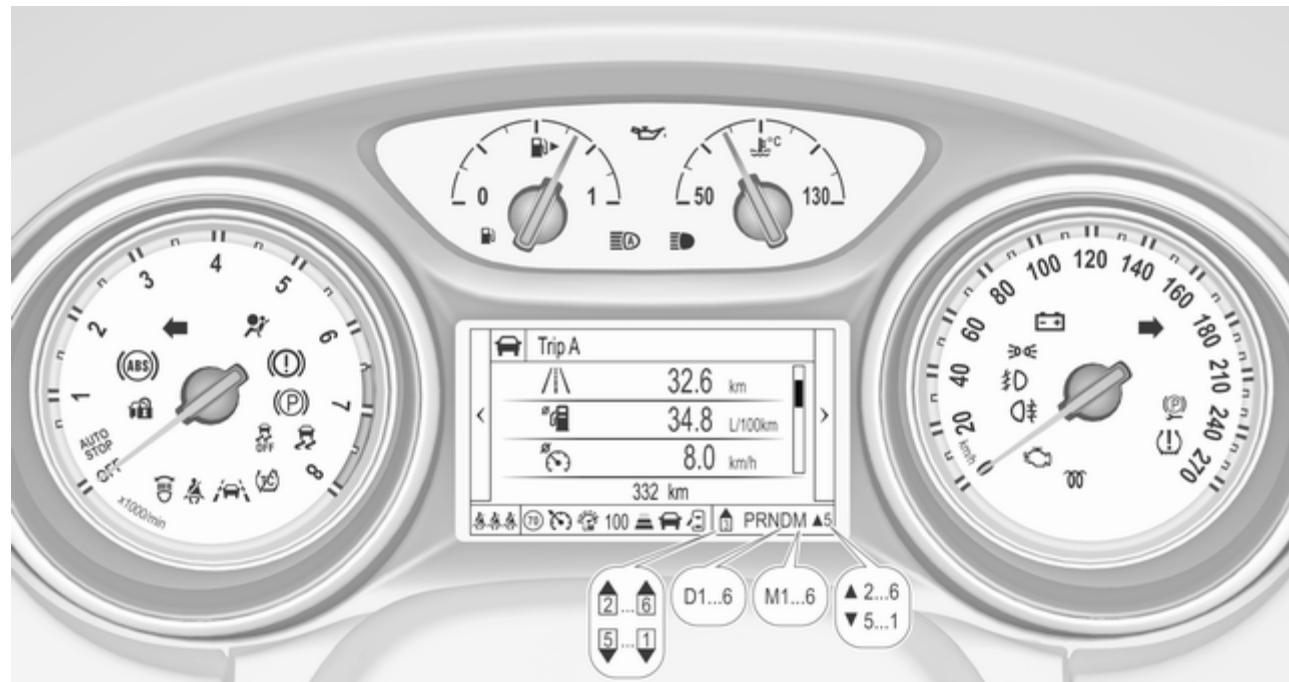
Depending on the version, two instrument clusters are available:

## Midlevel instrument cluster





## Uplevel instrument cluster



## Overview

↔ Turn signal ↔ 92

🚗 Seat belt reminder ↔ 92

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🚗 Exterior light ↔ 97

🚗 High beam ↔ 97

🚗 High beam assist ↔ 97

🚗 LED headlights ↔ 97

🚗 Fog light ↔ 97

🚗 Rear fog light ↔ 97

🚗 Cruise control ↔ 97

🚗 Vehicle detected ahead ↔ 97

🚗 Speed limiter ↔ 97

🚗 Traffic sign assistant ↔ 98

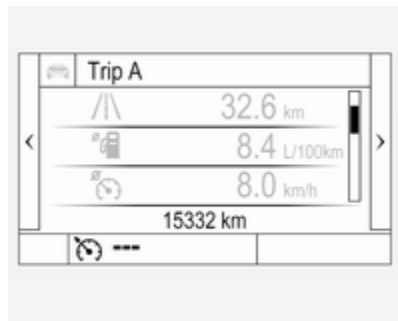
🚗 Door open ↔ 98

## Speedometer



Indicates vehicle speed.

## Odometer



The total recorded distance is displayed in km.


## Trip odometer

The recorded distance since the last reset is displayed on the trip computer page. Two trip odometer are selectable for different trips.

Trip odometer counts up to 9,999 km and then restarts at 0.


## Midlevel instrument cluster





Select **Info** page  by pressing **Menu** on the turn signal lever. Turn adjuster wheel on turn signal lever and select **Trip 1** or **Trip 2**. Each trip odometer can be reset separately by pressing **SET/CLR** on the turn signal lever for a few seconds on the respective page.

## Uplevel instrument cluster



Select **Info** page  on main menu. Choose page **Trip A** or **Trip B** by pressing  on the steering wheel.

Each trip odometer can be reset separately when ignition is on: select respective page, press . Confirm by pressing .

Driver Information Centre  98.

## Tachometer



Displays the engine speed.

Drive in a low engine speed range for each gear as much as possible.

### Caution


If the needle is in the red warning zone, the maximum permitted engine speed is exceeded. Engine at risk.

## Fuel gauge



Displays the level in the fuel tank.

The arrow indicates the vehicle side where the fuel filler flap is located.

Control indicator  illuminates if the level in the tank is low. Refuel immediately if it flashes.

Never run the fuel tank dry.

Because of the fuel remaining in the tank, the top-up quantity may be less than the specified fuel tank capacity.

## Engine coolant temperature gauge



Displays the coolant temperature.

50 : engine operating temperature not yet reached

central area : normal operating temperature

130 : temperature too high

### Caution

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

### Service display

The engine oil life system informs when to change the engine oil and filter. Based on driving conditions, the interval at which an engine oil and filter change will be indicated can vary considerably.

Remaining  
Oil Life

100%

The remaining oil life duration menu is displayed in the Driver Information Centre ↗ 98.



On Midlevel display select the **Settings** Menu by pressing **MENU** on the turn signal lever. Turn the adjuster wheel to select the **Remaining Oil Life** page.



On Uplevel display select **Info** Menu by pressing < on steering wheel. Press ∨ to select **Remaining Oil Life** page.

Remaining oil life duration is indicated in percentage.

### Reset

On Midlevel display press **SET/CLR** on turn signal lever for several seconds to reset. The ignition must be switched on but engine not running.

On Uplevel display press > on steering wheel to open the subfolder. Select **Reset** and confirm by pressing

✓ for several seconds. The ignition must be switched on but engine not running.

The system must be reset every time the engine oil is changed to allow proper functionality. Seek the assistance of a workshop.

### Next service

When the system has calculated that engine oil life has been diminished, **Change Engine Oil Soon** appears in the Driver Information Centre. Have engine oil and filter changed by a workshop within one week or 500 km (whichever occurs first).

Service information ⇨ 240.

### Control indicators

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

See all control indicators on different instrument clusters ⇨ 85.

### Turn signal

⇨ illuminates or flashes green.

### Illuminates briefly

The parking lights are switched on.

### Flashes

A turn signal or the hazard warning flashers are activated.

Rapid flashing: failure of a turn signal light or associated fuse, failure of turn signal light on trailer.

Bulb replacement ⇨ 203, Fuses ⇨ 211.

Turn signals ⇨ 124.

## Seat belt reminder

### Seat belt reminder on front seats

⚠ for driver's seat illuminates or flashes red in the instrument cluster.



⚠<sup>2</sup> for front passenger seat illuminates or flashes red in the roof console, when seat is occupied.


### Illuminates

After the ignition has been switched on until the seat belt has been fastened.

### Flashes

After having started the engine for a maximum of 100 seconds until the seat belt has been fastened.

### Seat belt status on rear seats (vehicles with Midlevel display)

 illuminates or flashes white or grey in the Driver Information Centre, after having started the engine.

#### Illuminates white

Seat belt is unfastened.

#### Illuminates grey


Seat belt has been fastened.

#### Flashes white or grey

Fastened seat belt has been unfastened.

Fastening the seat belt ⇨ 51.

### Seat belt status on rear seats (vehicles with Uplevel display)

 illuminates green or grey or flashes yellow in the Driver Information Centre, after having started the engine.

#### Illuminates grey

Seat belt is unfastened.

#### Illuminates green

Seat belt has been fastened.

### Flashes yellow


Fastened seat belt has been unfastened.

Fastening the seat belt ⇨ 51.

### Airbag and belt tensioners

 illuminates red.

When the ignition is switched on, the control indicator illuminates for approx. four seconds. If it does not illuminate, does not go out after four 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.

Belt pretensioners, airbag system  
⇨ 50, ⇨ 53.

### Airbag deactivation



 illuminates yellow.

The front passenger airbag is activated.

 illuminates yellow.

The front passenger airbag is deactivated.

Airbag deactivation ⇨ 57.

### Charging system


 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 engine. Vehicle battery is not charging. Engine cooling may be interrupted. The brake servo unit may cease to be effective. Seek the assistance of a workshop.

### Malfunction indicator light

 illuminates or flashes yellow.

Illuminates 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

Fault that could lead to catalytic converter damage. Ease up on the accelerator until the flashing stops. Seek the assistance of a workshop immediately.

### Brake and clutch system

 illuminates red.

The brake and clutch fluid level is too low, when manual parking brake is not applied ⇨ 200.

#### Warning

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

Illuminates when the manual parking brake is applied and ignition is switched on ⇨ 158.


### Electric parking brake

 illuminates or flashes red.

### Illuminates

Electric parking brake is applied ⇨ 158.

### Flashes

Electric parking brake is not fully applied or released. Depress the brake pedal and attempt to reset the system by first releasing then applying the electric parking brake. If  remains flashing, do not drive and seek the assistance of a workshop.

### Electric parking brake fault

 illuminates or flashes yellow.

### Illuminates

Electric parking brake is operating with degraded performance ⇨ 158.

### Flashes

Electric parking brake is in service mode. Stop vehicle, apply and release the electric parking brake to reset.



### Warning

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

## Antilock brake system (ABS)

 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 go out 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 ⇨ 157.

## Gear shifting


▲ or ▼ with the number of the next higher or lower gear is indicated, when up- or down-shifting is recommended.

## Following distance

 indicates the following distance setting of the alert timing sensitivity for the forward collision alert using filled distance bars.

Forward collision alert ⇨ 167.

## Lane keep assist

 illuminates green or yellow, or flashes yellow.

### Illuminates green

The system is switched on and ready to operate.

### Illuminates yellow

The system approaches a detected lane marking without using the turn signal in that direction.

### Flashes yellow

The system recognizes that the lane is departed significantly.

Lane keep assist ⇨ 186

## Electronic Stability Control off

 illuminates yellow.

The system is deactivated.

## Electronic Stability Control and Traction Control system

 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.

### 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 ⇨ 161,  
Traction Control system ⇨ 160.

## Traction Control system off

 illuminates yellow.

The system is deactivated.

## Preheating

 illuminates yellow.

Preheating of Diesel engine is activated. Only activates when outside temperature is low. Start the engine when control indicator extinguishes.

## Tyre pressure monitoring system

 illuminates or flashes yellow.

### Illuminates

Tyre pressure loss. Stop immediately and check tyre pressure.

### Flashes

Fault in system or tyre without pressure sensor mounted (e.g. spare wheel). After 60 to 90 seconds the control indicator illuminates continuously. Consult a workshop.

## Engine oil pressure

 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. Depress clutch.
2. Select neutral gear, set selector lever to **N**.
3. Move out of the flow of traffic as quickly as possible without impeding other vehicles.
4. Switch off 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.

Check oil level before seeking assistance of a workshop ⇨ 198.

## Low fuel

 illuminates or flashes yellow.

### Illuminates

Level in fuel tank is too low.

### Flashes

Fuel used up. Refuel immediately. Never run the tank dry.

Refuelling ⇨ 189.

Catalytic converter ⇨ 150.

Bleeding the diesel fuel system  
↪ 202.

## Immobiliser

🔒 flashes yellow.

Fault in the immobiliser system. The engine cannot be started.

## Exterior light

☛ illuminates green.

The exterior lights are on ↪ 118.

## High beam

☛ illuminates blue.

Illuminated when high beam is on or during headlight flash ↪ 119.

## High beam assist

☛ illuminates green.

The high beam assist is activated, see LED headlights ↪ 120.

## LED headlights

☛ illuminates or flashes yellow.

## Illuminates

Fault in the system.

Seek the assistance of a workshop.

## Flashes

System is switched to symmetrical low beam.

Control indicator ☛ flashes for approx. four seconds after the ignition is switched on as a reminder for symmetrical headlight ↪ 120.

## Fog light

☛ illuminates green.

The front fog lights are on ↪ 124.

## Rear fog light

☛ illuminates yellow.

The rear fog light is on ↪ 125.

## Cruise control

☛ illuminates white or green.

## Illuminates white

The system is on.

## Illuminates green

Cruise control is active. Set speed is indicated in the Driver Information Centre.

Cruise control ↪ 163.

## Vehicle detected ahead

☛ illuminates green or yellow.

## Illuminates green

A vehicle ahead is detected in the same lane.

## Illuminates yellow

The distance to a preceding moving vehicle gets too small or when approaching another vehicle too rapidly.

Forward collision alert ↪ 167.

## Speed limiter

☛ illuminates white or green.

## Illuminates white


The system is on.

### Illuminates green

Speed limiter is active. Set speed is indicated near  symbol.

Speed limiter ⇨ 165.

### Traffic sign assistant

 displays detected traffic signs as control indicator.

Traffic sign assistant ⇨ 182.

### Door open

 illuminates red.

A door or the tailgate is open.

## Information displays

### Driver Information Centre

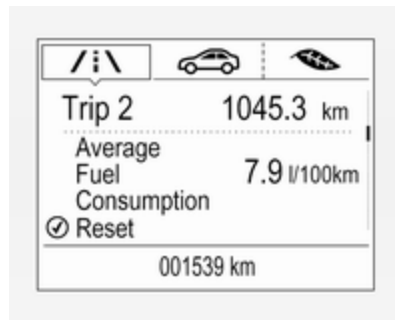
The Driver Information Centre is located in the instrument cluster.

Depending on the version and the instrument cluster, the Driver Information Centre is available as Midlevel display or Uplevel display.




Driver Information Centre indicates depending on the equipment:

- overall and trip odometer
- vehicle information
- trip/fuel information
- economic information
- vehicle and warning messages
- audio and infotainment information
- phone information
- navigation information
- vehicle settings

### Midlevel display



The menu pages of the Midlevel display are selected by pressing **MENU** on the turn signal lever. Main menu symbols are indicated in the top line of the display:

-  **Info Menu**
-  **Options Menu**
-  **ECO Information Menu**

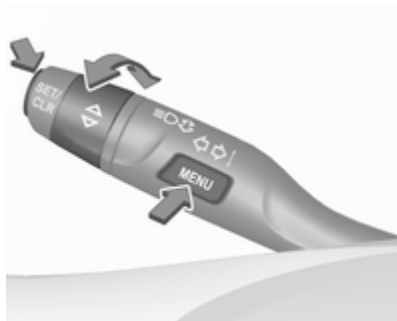
Some of the displayed functions differ between vehicle driving and standstill and some functions are only active when the vehicle is driving.

Vehicle personalisation ⇨ 107.

Memorised settings ⇨ 24.

### Selecting menus and functions

The menus and functions can be selected via the buttons on the turn signal lever.



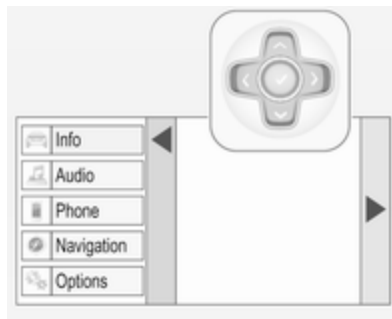
Press **MENU** to switch between the main menus or to return from a submenu to the next higher menu level.

Turn the adjuster wheel to select a subpage of the main menu or to set a numeric value.

Press **SET/CLR** to select and confirm a function.

Vehicle and service messages are popped up in the Driver Information Centre if required. Confirm messages by pressing **SET/CLR**. Vehicle messages ⇨ 105.

### Uplevel display



Menu pages are indicated by pressing < on the steering wheel. Press ^ or v to select a menu, press ✓ to confirm. Selectable menu pages are:

- **Info**
- **Audio**
- **Phone**

- **Navigation**
- **Options**

Some of the displayed functions differ between vehicle driving and standstill and some functions are only active when the vehicle is driving.

Vehicle personalisation ⇨ 107.  
Memorised settings ⇨ 24.

### Selecting menus and functions

The menus and functions can be selected via the buttons on the right side in the steering wheel.



Press < to open main menu page.

Select a main menu page with ^ or v.

Confirm a main menu page with **✓**.  
Once a main menu page is selected, press **^** or **∨** to select subpages.

Press **>** to open a next folder of the selected subpage.

Press **^** or **∨** to select functions or to set a numeric value, if required.

Press **✓** to select and confirm a function.

Once a main menu page is selected, this selection remains stored until another main menu page is selected. Subpages are changed by pressing **∨** or **^**.

Vehicle and service messages are popped-up in the Driver Information Centre if required. Confirm messages by pressing **✓**. Vehicle messages **⇨** 105.


### Info Menu


The following list contains all possible Info Menu pages. Some may not be available for your particular vehicle. Depending on the display some functions are symbolised.

Turn the adjuster wheel or press **^** or **∨** to select a page:

- trip odometer 1 or A  
average fuel consumption  
average speed
- trip odometer 2 or B  
average fuel consumption  
average vehicle speed
- digital speed
- fuel range
- instantaneous fuel consumption
- remaining oil life
- tyre pressure
- timer
- traffic sign assistant
- following distance
- top consumers
- economy trend
- Eco index
- blank page

On Midlevel display, the pages **Remaining Oil Life, Tyre Pressure, Traffic Sign Assistant** and **Following**

**Distance** are displayed in the **Options Menu** . Select by pressing **MENU**.

On Midlevel display, the pages **Top Consumers, Economy Trend** and **Eco index** are displayed in the **ECO Information Menu** . Select by pressing **MENU**.

### Trip odometer 1/A and 2/B

Trip odometer displays the current distance since a certain reset.

Trip odometer counts up to a distance of 9,999 km then restarts at 0.

To reset on Midlevel display, press **SET/CLR** for a few seconds, on Uplevel display, press **>** and confirm with **✓**.

The information of trip odometer page 1/A and 2/B can be reset separately for odometer, average consumption and average speed while the respective display is active.

### Average Fuel Consumption

Display of average consumption. The measurement can be reset at any time and starts with a default value.

To reset on Midlevel display, press **SET/CLR** for a few seconds, on Uplevel display, press > and confirm with **✓**.

### Average speed

Display of average speed. The measurement can be reset at any time.

To reset on Midlevel display, press **SET/CLR** for a few seconds, on Uplevel display, press > and confirm with **✓**.


### Digital speed


Digital display of the instantaneous speed.

### Fuel range

Range is calculated from current fuel level and current consumption. The display shows average values.

After refuelling, the range is updated automatically after a brief delay.

When the level in the fuel tank is low, a message appears on the display and the control indicator  in the fuel gauge illuminates.

When the fuel tank has to be refuelled immediately, a warning message appears and remains on the display. Additionally, the control indicator  in the fuel gauge flashes ⇨ 96.

### Instantaneous Fuel Consumption

Display of the instantaneous consumption.

### Remaining Oil Life

Indicates an estimate of the oil's useful life. The number in percentage means the remainder of current oil life ⇨ 91.

### Tyre Pressure

Checks tyre pressure of all wheels during driving ⇨ 220.

### Timer

To start and stop, press **✓**. To reset, press > and confirm reset.

### Traffic sign assistant

Displays the detected traffic signs for the current route section ⇨ 182.

### Following Distance

Displays the distance in seconds to a preceding moving vehicle ⇨ 169. If Adaptive cruise control is active this page shows the following distance setting instead.

### Top Consumers

List of top comfort consumers currently switched on is displayed in descending order. Fuel saving potential is indicated. A switched-off consumer disappears from the list and the consumption value will be updated.

During sporadic driving conditions, the engine will activate the rear window defog automatically to increase the engine load. In this event, the rear window defog is indicated as one of the top consumers, without activation by the driver.

### Economy Trend

Displays the average consumption development over a distance of 50 km. Filled segments display the

consumption in 5 km steps and shows the effect of topography or driving behaviour on fuel consumption.

### Economy index

The current fuel consumption is indicated on an economic scale. For economical driving adapt the driving style to keep the indicator within the Eco area. Indicator outside the Eco area means higher fuel consumption.

### Blank page

Shows a blank page without any information.

### Audio Menu

Audio menu enables browsing for music, selecting from favourites or changing the audio source.

See Infotainment manual.

### Phone Menu

Phone menu enables managing and performing of phone calls, scrolling through contacts or operating handsfree phoning.

See Infotainment manual.

### Navigation Menu

Navigation menu enables route guidance.

See Infotainment manual.

### Options Menu

The following list contains all possible Options Menu pages. Some may not be available for your particular vehicle. Depending on the display some functions are symbolised.

Turn the adjuster wheel or press  $\wedge$  or  $\vee$  to select a page and follow the instructions given in the submenu:

- units
- info pages
- speed warning
- tyre loading
- software information

### Units

Press **SET/CLR** or  $>$  while units is displayed. Select imperial or metric units by turning adjuster wheel or pressing  $\vee$ . Confirm by pressing **SET/CLR** or  $\checkmark$ .

### Info pages

Press  $>$  while Info pages is displayed. A list of all items in the Info Menu is displayed. Select the functions to be displayed in the Info page by pressing  $\checkmark$ . Selected pages have a  $\checkmark$  in a checkbox. Non viewable functions have a blank checkbox. See **Info Menu** above.

### Speed warning



The speed warning function alarms when a set speed is exceeded.

To set the speed warning, press **SET/CLR** or  $>$  while the page is displayed. Turn the adjuster wheel or press  $\wedge$  or  $\vee$  to select and adjust the



value. Press **SET/CLR** or **✓** to set the speed. Once the speed is set, this feature can be turned off by pressing **SET/CLR** or **✓** while viewing this page. If the selected speed limit is exceeded, a pop-up warning is displayed with a chime.

### Tyre Load

The tyre pressure category according to the actually inflated tyre pressure can be selected ⇨ 220.

### Software information

Displays the open source software information.

### Valet mode

Some functions of the Driver Information Centre and the Info-Display can be limited for some drivers.

Activation or deactivation of valet mode can be set in the menu **Settings** in the vehicle personalisation menu.

Vehicle personalisation ⇨ 107.

For more information see Infotainment manual.

## Info display

The Info-Display is located in the instrument panel near the instrument cluster.

Depending on the vehicle configuration the vehicle has a

- **Graphic-Info-Display**  
or
- **7" Colour-Info-Display** with touch-screen functionality  
or
- **8" Colour-Info-Display** touch-screen functionality

The Info displays can indicate:

- time ⇨ 80
- outside temperature ⇨ 80
- date ⇨ 80
- Infotainment system, see description in the Infotainment manual
- indication of rear view camera ⇨ 180
- indication of parking assist instructions ⇨ 171

- navigation, see description in the Infotainment manual
- system messages
- settings for vehicle personalisation ⇨ 107

### Graphic-Info-Display



Press **⏻** to switch on the display.

Press **MENU** to select main menu page.

Turn **MENU** to select a menu page.

Press **MENU** to confirm a selection.

Press **BACK** to exit a menu without changing a setting.

## 7" Colour-Info-Display

### Selecting menus and settings

Menus and settings are accessed via the display.




Press  to switch on the display.

Press  to display the homepage.

Tap required menu display icon with the finger.

Tap a respective icon to confirm a selection.

Tap  to return to the next higher menu level.

Press  to return to the homepage.

For further information, see Infotainment manual.

Vehicle personalisation  107.

## 8" Colour-Info-Display

### Selecting menus and settings

There are three options to operate the display:

- via buttons below the display
- directly per touchscreen operation by the finger
- via speech recognition

### Button operation



Press  to switch on the display.

Press  to display the homepage.

Turn **MENU** to select a menu display icon or a function or to scroll a submenu list.



Press **MENU** to confirm a selection.

Press **BACK** to exit a menu without changing a setting.

Press  to return to the homepage.

For further information, see Infotainment manual.


### Touchscreen operation

Display must be switched on by pressing . Press  to select homepage.

Tap required menu display icon or a function with the finger.

Scroll a longer submenu list with the finger up or down.

Confirm a required function or selection by tapping.

Tap  on the display to exit a menu without changing a setting.

Press  to return to the homepage.

For further information, see Infotainment manual.

### Speech recognition

Description see Infotainment manual.

Vehicle personalisation ⇨ 107.

### Valet mode

Some functions of the Driver Information Centre and the Info-Display can be limited for some drivers.

Activation or deactivation of valet mode can be set in the menu

**Settings** in the vehicle personalisation menu.

Vehicle personalisation ⇨ 107.

For more information see Infotainment manual.

## Vehicle messages

Messages are indicated in the Driver Information Centre, in some cases together with a warning and signal chime.



On Midlevel display press **SET/CLR** on the turn signal lever to confirm a message.



On Uplevel display press **✓** on the steering wheel to confirm a message.

### Vehicle and service messages

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

The system displays messages regarding the following topics:

- service messages
- fluid levels
- anti-theft alarm system
- brakes
- drive systems
- ride control systems

- driver assistance systems
- cruise control
- speed limiter
- forward collision alert
- collision imminent braking system
- parking assist systems
- lighting, bulb replacement
- LED headlights
- wiper/washer system
- doors, windows
- side blind spot alert
- traffic sign assistant
- lane keep assist
- load compartment, tailgate
- radio remote control
- electronic key system
- keyless starting
- seat belts
- airbag systems
- engine and transmission
- tyre pressure
- diesel particle filter

- vehicle battery status
- stop-start system

### **Messages in the Colour-Info-Display**

Some important messages may appear additionally in the Colour-Info-Display. Press the multifunction knob to confirm a message. Some messages only pop-up for a few seconds.

### **Warning chimes**

#### **When starting the engine or whilst driving**

Only one warning chime will sound at a time.

The warning chime regarding not fastened seat belts has priority over any other warning chime.

- If seat belt is not fastened.
- If a door or the tailgate is not fully closed when starting off.
- If a certain speed is exceeded with parking brake applied.

- If approaching a vehicle ahead too closely.
- If a programmed speed or speed limit is exceeded.
- If a warning message appears in the Driver Information Centre.
- If the electronic key is not in the passenger compartment.
- If the parking assist detects an object.
- If an unintended lane change occurs.
- If the diesel particle filter has reached the maximum filling level.

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

- With exterior lights on.

#### **During an Autostop**

- If the driver's door is opened.
- If any condition for an autostart is not fulfilled.

## Battery voltage

When the vehicle battery voltage is running low, a warning message will appear in the Driver Information Centre.

1. Switch off any electrical consumers which are not required for a safe drive, e.g. seat heating, heated rear window or other main consumers.
2. Charge the vehicle battery by driving continuously for a while or by using a charging device.

The warning message will disappear after the engine has been started twice without a voltage drop.

If the vehicle battery cannot be recharged, have the cause of the fault remedied by a workshop.

## Vehicle personalisation

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

Some of the personal settings for different drivers can be memorised individually for each vehicle key. Memorised settings ⇨ 24.

Depending on vehicle equipment and country-specific regulations some of the functions described below may not be available.

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

### Personal settings

#### Graphic-Info-Display

Press **MENU** to open the respective menu.

Select **Settings**, scroll through the list and select **Vehicle Settings**



In the corresponding submenus the following settings can be changed:

### Vehicle Settings

- **Climate and Air Quality**

**Auto Fan Max Speed:** Modifies the level of the cabin airflow of the climate control in automatic mode.

**Climate Control Mode:** Controls the state of the cooling compressor when the vehicle is started. Last setting (recommended) or at vehicle start is either always on or always off.

**Temperature Zone at Start:**

Change between single zone or dual zone temperature setting.

**Auto Cooled Seats:**

Automatically activates the seat ventilation.

**Auto Heated Seats:**

Automatically activates the seat heating.

**Auto Demist:**

Supports windscreen dehumidification by automatically selecting the necessary settings and automatic air conditioning mode.

**Auto Rear Demist:** Automatically activates heated rear window.

- **Park Assist / Collision Detection**

**Forward Collision Alert:** Activates or deactivates forward collision alert.

**Collision Preparation:** Activates or deactivates the automatic brake functionality of the vehicle in the event of imminent collision danger. The following is selectable: the system will take over brake control, warn by

chimes only or is deactivated completely.

**Park Assist:** Activates or deactivates the ultrasonic parking assist. Activation is selectable with or without attached trailer coupling.

**Side Blind Zone Alert:** Activates or deactivates side blind zone alert.

**Lane Change Alert:** Activates or deactivates lane keep assist.

- **Comfort Settings**

**Auto Memory Recall:** Changes the settings to the recall of memorised settings for power seat adjustment and exterior mirrors.

**Easy Exit Driver Seat:** Activates or deactivates easy exit function of the power seat.

**Chime Volume:** Changes the volume of warning chimes.

**Auto Mirror Tilt in Reverse:** Activates or deactivates the parking assist function of the exterior mirror.

**Comf. Closing Mirror Fold:**

Activates or deactivates folding of the exterior mirrors with the remote control.

**Personalisation by Driver:**

Activates or deactivates the personalisation function.

**Rain Sense Wipers:** Activates or deactivates automatic wiping with rain sensor.

**Rear Auto Wipe in Reverse:**

Activates or deactivates automatic switching on of the rear window wiper when reverse gear is engaged.

- **Exterior Ambient Lighting**

**Exterior lighting by unlocking:**

Activates or deactivates the entry lighting.

**Duration upon exit of vehicle:**

Activates or deactivates and changes the duration of exit lighting.

**Left or Right Hand Traffic:**

Changes between lighting for left or right-hand traffic.

**Adaptive Forward Lighting:**

Changes the settings of the functions of the LED headlights.

**Daytime Tail Lamps:** Activates or deactivates the tail lights in combination with daytime running lights.

- **Power Door Locks**

**Stop door lock if door open:**

Activates or deactivates the door locking function while a door is open.

**Auto Door Lock:** Activates or deactivates the automatic door locking function after switching on ignition.

**Auto Door Unlock:** Changes the configuration to unlock only the driver's door or the whole vehicle after switching off ignition.

**Delayed Door Lock:** Activates or deactivates the delayed door locking function. This feature delays the actual locking of the doors until all doors are closed.

- **Remote Lock, Unlock, and Start**

**Remote Unlock Feedback:**

Activates or deactivates the

hazard warning flasher feedback whilst unlocking.

**Remote Lock Feedback:**

Changes what kind of feedback is given when locking the vehicle.

**Remote Door Unlock:** Changes the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.

**Auto Relock Doors:** Activates or deactivates the automatic relock function after unlocking without opening the vehicle.

**Remote Window Operation:**

Activates or deactivates the operation of power windows with remote control.

**Passive Door Lock:** Activates or deactivates the passive locking function. This feature locks the vehicle automatically after several seconds if all doors have been closed and an electronic key has been removed from the vehicle.

**Remote Left in Vehicle Alarm:**

Activates or deactivates the warning chime when the

electronic key remains in the vehicle.

- **Restore Factory Settings:**


Resets all settings to the default settings.

- **Valet Mode:**

See Infotainment manual.

## Personal settings

### 7" Colour-Info-Display

Press  then select the **Settings** screen button.



In the corresponding submenus the following settings can be changed:

**Settings**

- **Climate & Air Quality**

**Auto Fan Max Speed:** Modifies the level of the cabin airflow of the climate control in automatic mode.

**Air Conditioning Mode:** Controls the state of the cooling compressor when the vehicle is started. Last setting (recommended) or at vehicle start is either always on or always off.

**Auto Compartment Zone Temp:** Change between single zone or dual zone temperature setting.

**Auto Cooled Seats:** Automatically activates the seat ventilation.

**Auto Heated Seats:** Automatically activates the seat heating.

**Auto Defog:** Supports windscreen dehumidification by automatically selecting the necessary settings and automatic air conditioning mode.

**Auto Rear Defog:** Automatically activates heated rear window.

- **Collision / Detection Systems**

**Forward Collision Alert :** Activates or deactivates forward collision alert.

**Auto Collision Preparation:** Activates or deactivates the automatic brake functionality of the vehicle in the event of imminent collision danger. The following is selectable: the system will take over brake control, warn by chimes only or is deactivated completely.

**Forward Collision System:** Changes the settings of forward collision alert.

**Park Assist:** Activates or deactivates the ultrasonic parking assist. Activation is selectable with or without attached trailer coupling.

**Side Blind Zone Alert:** Activates or deactivates side blind zone alert.

**Lane Change Alert :** Activates or deactivates lane keep assist.

- **Comfort and Convenience**

**Auto Memory Recall :** Changes the settings to the recall of memorised settings for power seat adjustment and exterior mirrors.

**Easy Exit Driver Seat:** Activates or deactivates easy exit function of the power seat.

**Chime Volume:** Changes the volume of warning chimes.

**Reverse Tilt Mirror:** Activates or deactivates the parking assist function of the exterior mirror.

**Auto Mirror Folding:** Activates or deactivates folding of the exterior mirrors with the remote control.

**Personalization By Driver:** Activates or deactivates the personalisation function.

**Rain Sense Wipers:** Activates or deactivates automatic wiping with rain sensor.

**Auto Wipe in Reverse Gear:** Activates or deactivates automatic switching on of the rear window wiper when reverse gear is engaged.



**Extended Hill Start Assist:**

Changes the settings of hill start assist.

- **Lighting**

**Vehicle Locator Lights:** Activates or deactivates the entry lighting.

**Exit Lighting:** Activates or deactivates and changes the duration of exit lighting.

**Left or Right Hand Traffic :**

Changes between lighting for left or right-hand traffic.

**Adaptive Forward Lighting :**

Changes the settings of the functions of the LED headlights.

**Daytime Tail Lights :** Activates or deactivates the tail lights in combination with daytime running lights.

- **Power Door Locks**

**Unlocked Door Anti Lock Out:**

Activates or deactivates the door locking function while a door is open.

**Auto Door Lock:** Activates or deactivates the automatic door

locking function after switching on ignition.

**Auto Door Unlock:** Changes the configuration to unlock only the driver's door or the whole vehicle after switching off ignition.

**Delayed Door Lock:** Activates or deactivates the delayed door locking function. This feature delays the actual locking of the doors until all doors are closed.

- **Remote Lock, Unlock, Start**

**Remote Unlock Light Feedback:**

Activates or deactivates the hazard warning flasher feedback whilst unlocking.

**Remote Lock Feedback:**

Changes what kind of feedback is given when locking the vehicle.

**Remote Door Unlock:** Changes the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.

**Relock Remotely Unlocked**

**Doors:** Activates or deactivates the automatic relock function after unlocking without opening the vehicle.

**Remote Window Operation:**

Activates or deactivates the operation of power windows with remote control.

**Passive Door Lock :** Activates or deactivates the passive locking function. This feature locks the vehicle automatically after several seconds if all doors have been closed and an electronic key has been removed from the vehicle.

**Remote Left in Vehicle Alert:**

Activates or deactivates the warning chime when the electronic key remains in the vehicle.

## Personal settings

### 8" Colour-Info-Display

Press  then select the **SETTINGS** icon.



In the corresponding submenus the following settings can be changed:

### Vehicle

- **Climate and Air Quality**

**Auto Fan Speed:** Modifies the level of the cabin airflow of the climate control in automatic mode.

**Air Conditioning Mode:** Controls the state of the cooling compressor when the vehicle is started. Last setting (recommended) or at vehicle start is either always on or always off.

**Auto Compartment Zone Temp:** Change between single zone or dual zone temperature setting.

**Auto Cooled Seats:** Automatically activates the seat ventilation.

**Auto Heated Seats:** Automatically activates the seat heating.

**Auto Demist:** Supports windscreen dehumidification by automatically selecting the necessary settings and automatic air conditioning mode.

**Auto Rear Demist:** Automatically activates heated rear window.

- **Collision / Detection Systems**

**Forward Collision Alert:** Activates or deactivates forward collision alert.

**Auto Collision Preparation:** Activates or deactivates the automatic brake functionality of the vehicle in the event of imminent collision danger. The following is selectable: the system will take over brake

control, warn by chimes only or is deactivated completely.

**Park Assist:** Activates or deactivates the ultrasonic parking assist. Activation is selectable with or without attached trailer coupling.

**Side Blind Zone Alert:** Activates or deactivates side blind zone alert.

**Lane Change Alert:** Activates or deactivates lane keep assist.

- **Comfort and Convenience**

**Auto Memory Recall:** Changes the settings to the recall of memorised settings for power seat adjustment and exterior mirrors.

**Easy Exit Driver Seat:** Activates or deactivates easy exit function of the power seat.

**Chime Volume:** Changes the volume of warning chimes.

**Reverse Tilt Mirror:** Activates or deactivates the parking assist function of the exterior mirror.

**Auto Mirror Folding:** Activates or deactivates folding of the exterior mirrors with the remote control.

**Personalisation by Driver:**

Activates or deactivates the personalisation function.

**Rainsense Wipers:** Activates or deactivates automatic wiping with rain sensor.

**Auto Wipe in Reverse Gear:**

Activates or deactivates automatic switching on of the rear window wiper when reverse gear is engaged.

**Extended Hill-Start Assist:**

Changes the settings of hill start assist.

- **Lighting**

**Vehicle Locator Lights:** Activates or deactivates the entry lighting.

**Exit Lighting:** Activates or deactivates and changes the duration of exit lighting.

**Left or Right Hand Traffic:**

Changes between lighting for left or right-hand traffic.

**Adaptive Forward Lighting:**

Changes the settings of the functions of the LED headlights.

**Daytime Tail Lights:** Activates or deactivates the tail lights in combination with daytime running lights.

- **Power Door Locks**

**Unlocked Door Anti-Lockout:**

Activates or deactivates the door locking function while a door is open.

**Auto Door Lock:** Activates or deactivates the automatic door locking function after switching on ignition.

**Auto Door Unlock:** Changes the configuration to unlock only the driver's door or the whole vehicle after switching off ignition.

**Delayed Door Lock:** Activates or deactivates the delayed door locking function. This feature delays the actual locking of the doors until all doors are closed.

- **Remote Lock, Unlock, Start**

**Remote Unlock Light Feedback:**

Activates or deactivates the

hazard warning flasher feedback whilst unlocking.

**Remote Lock Feedback:**

Changes what kind of feedback is given when locking the vehicle.

**Remote Door Unlock:** Changes the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.

**Relock Remote Unlocked Doors:**

Activates or deactivates the automatic relock function after unlocking without opening the vehicle.

**Remote Window Operation:**

Activates or deactivates the operation of power windows with remote control.

**Passive Door Lock:** Activates or deactivates the passive locking function. This feature locks the vehicle automatically after several seconds if all doors have been closed and an electronic key has been removed from the vehicle.

**Remote Left in Vehicle Alert:**

Activates or deactivates the

warning chime when the electronic key remains in the vehicle.

## OnStar® system


OnStar is a personal connectivity and mobility assistant with integrated Wi-Fi hotspot. The OnStar service is available 24 hours a day, seven days a week.

### Note

OnStar is not available for all markets. For further information, contact your workshop.

### Note

In order to be available and operational, OnStar needs a valid OnStar subscription, functioning vehicle electrics, mobile service and GPS satellite link.

To activate the OnStar services and set up an account, press  and speak with an OnStar advisor.

Depending on the equipment of the vehicle, the following services are available:

- OnStar emergency services and support in the case of a vehicle breakdown
- Wi-Fi hotspot

- OnStar smartphone application
- OnStar remote services, e.g. location of the vehicle, activation of horn and lights, control of central locking system
- Stolen vehicle assistance
- Vehicle health check
- Destination download


### Note


All functions requiring data connection to the vehicle are no longer available if the vehicle ignition has not been turned on for ten days.


## OnStar buttons




**Privacy button**

Press and hold  until an audio message is heard to activate or deactivate the transmission of the vehicle location.


Press  to answer a call or to end a call to an OnStar advisor.

Press  to access the Wi-Fi settings.

**OnStar button**

Press  to establish a connection to an OnStar advisor.

**SOS button**

Press  to establish a priority emergency connection to a specially trained emergency advisor.

**Status light**

Green: The system is ready.

Green flashing: The system is on a call.


Red: A problem arose.

Off: System is off.

Red / green flashing for a short period of time: Transmission of the vehicle location has been deactivated.

**OnStar services****OnStar emergency services**

OnStar emergency provides a service with specially trained emergency advisors for contact, assistance and information during an emergency.

In the case of an emergency situation including vehicle breakdown, a flat tyre or empty fuel tank, press  and talk to the advisor. The advisor then contacts emergency or assistance service providers and directs them to your vehicle.

In the case of an accident with activation of airbags or belt tensioners, an automatic emergency call is established. The advisor is immediately connected to your vehicle to see whether help is needed.

**OnStar Wi-Fi hotspot**


The Wi-Fi hotspot of the vehicle provides internet connectivity through the 4G/LTE mobile network.

**Note**


The Wi-Fi hotspot functionality is not available for all markets.


Up to seven devices may be connected.

To connect a mobile device with the OnStar Wi-Fi hotspot:

1. Press  and then select Wi-Fi settings on the Info-Display. The settings displayed include the Wi-Fi hotspot name (SSID), password and connection type.
2. Start a Wi-Fi network search on your mobile device.
3. Select your vehicle hotspot (SSID) when listed.
4. When prompted, enter the password on your mobile device.

**Note**

To change the SSID or password, select  and talk to an OnStar advisor or logon to your account.

To switch off the Wi-Fi hotspot functionality, press  to call an OnStar advisor.

**Smartphone app**

With the myOpel smartphone app, some vehicle functions can be operated via a smartphone.

The following functions are available:

- Lock or unlock doors.
- Honk horn or flash lights.
- Check fuel level, engine oil life and tyre pressure (only with tyre pressure monitoring system).
- Send navigation destination to the vehicle, if equipped with a built-in navigation system.
- Locate vehicle on a map.
- Manage Wi-Fi settings.

To operate these functions, download the app from the respective app store.

### Remote service

If desired, use any phone to call an OnStar advisor, who can remotely operate specific vehicle functions. Find the respective OnStar phone number on our country-specific website.

The following functions are available:

- Lock or unlock doors.
- Provide information on the vehicle location.
- Honk horn or flash lights.

### Stolen vehicle assistance

If a vehicle is stolen, the OnStar stolen vehicle assistance service can provide support in locating and recovering the vehicle.

### Theft alert

When the anti-theft alarm system is triggered, a notification is sent to OnStar. You are then informed about this event by text message or email.

If required, report the theft to the authorities and request OnStar stolen vehicle assistance. Use any phone to call an OnStar advisor. Find the respective OnStar phone number on our country-specific website.

### Remote ignition block

By sending remote signals, OnStar can block the ignition cycle preventing the vehicle from restarting once it has been turned off.

### On-demand diagnostics

At any time e.g. if the vehicle displays a service message, press ⓘ to contact an OnStar advisor and ask to complete a real-time diagnostic check

to directly determine the issue. Depending on the results, the advisor will provide further support.

### Monthly vehicle diagnostics

The vehicle automatically transmits diagnostic data to OnStar which sends a monthly email report to you and your preferred workshop.

### Note

The workshop notification function can be disabled in your account.

The report contains the status of key operating systems of the vehicle like engine, transmission, airbags, antilock brakes, and other major systems. It also provides information on possible maintenance items and tyre pressure (only with tyre pressure monitoring system).

To look at the information in greater detail, select the link within the email and log into your account.

### Destination download

A desired destination can be directly downloaded to the navigation system.

Press **☎** to call an OnStar advisor and describe the destination or point of interest.

The OnStar advisor can look up any address or point of interest and directly download the destination to the built-in navigation system.

### OnStar settings

#### OnStar PIN

To have full access to all OnStar services, a four-digit PIN is required. The PIN has to be personalised when first talking to an OnStar advisor.

To change the PIN, press **☎** to call an OnStar advisor.

#### Account data

An OnStar subscriber has an account, where all the data is stored. To request a change of the account information, press **☎** and talk to an OnStar advisor or logon to your account.

If the OnStar service is used on another vehicle, press **☎** and request that the account be transferred to the new vehicle.

#### Note

In any case, if the vehicle is disposed of, sold or otherwise transferred, immediately inform OnStar about the changes and terminate the OnStar service on this vehicle.

#### Vehicle location

The vehicle location is transmitted to OnStar when service is requested or triggered. A message on the Info-Display informs about this transmission.

To activate or deactivate the transmission of the vehicle location, press and hold **📍** until an audio message is heard.

The deactivation is indicated by the status light flashing red and green for a short period of time and each time the vehicle is started.

#### Note

If the transmission of the vehicle location is deactivated, some services are no longer available.

#### Note

The vehicle location always remains accessible to OnStar in the case of an emergency.

Find the privacy policy in your account.

#### Software updates

OnStar may remotely carry out software updates without further notice or consent. These updates are to enhance or maintain safety and security or the operation of the vehicle.

These updates may concern privacy issues. Find the privacy policy in your account.

## Lighting

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## Exterior lighting

### Light switch



Turn light switch:

- AUTO** : automatic light control  
switches automatically  
between daytime running  
light and headlight
- ☞ : sidelights
- ☞D : headlights

When switching on the ignition,  
automatic light control is active.

Control indicator ☞ ⇨ 97.



## Tail lights

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

## Automatic light control



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

Daytime running light ⇨ 120.

## Automatic headlight activation

During poor lighting conditions headlights are switched on.

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

LED headlights ⇨ 120

## Tunnel detection

When a tunnel is entered headlights are switched on without delay.

## High beam



Push lever to switch from low to high beam.

Pull lever to deactivate high beam.

High beam assist ⇨ 120.

## Headlight flash

To activate the headlight flash, pull lever.


Pulling lever deactivates high beam.

LED headlights ⇨ 120.


## Headlight range adjustment

### Manual headlight range adjustment



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

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

Dynamic automatic headlight levelling  120.

### Headlights when driving abroad

The asymmetrical headlight beam extends visibility at the edge of the road at the passenger side.


However, when driving in countries where traffic drives on the opposite side of the road, adjust the headlights to prevent dazzling of oncoming traffic.

### Vehicles with halogen headlight system

The headlights do not have to be adjusted.


### Vehicles with LED headlight


Headlights can be set for driving on the opposite side of the road in the vehicle personalisation menu via the Info-Display.

Select the relevant setting in **Settings**,  **Vehicle**.

Info-Display  103.

Vehicle personalisation  107.

Every time the ignition is switched on,  flashes for approx. four seconds as a reminder.


To deactivate, use the same procedure as described above.  will not flash when function is deactivated.

Control indicator   97.

### Daytime running lights

Daytime running lights increases visibility of the vehicle during daylight.



They are switched on automatically during daytime when engine is running.


The system switches between daytime running lights and headlights automatically, depending on the lighting conditions. Automatic light control  119.

### LED headlights

LED headlight system contains a variety of particular LEDs in each headlight which enables the control of different lighting programs.

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.

Some functions of the LED headlights can be deactivated or activated in the vehicle personalisation menu. Select the relevant setting in **Settings**,  **Vehicle** in the Info-Display. Vehicle personalisation  107. High beam assist can not be deactivated.

The following lighting functions are available with light switch in position **AUTO** or .

### Town light



Activated automatically at a speed up to approx. 55 km/h and in situations with exterior ambient light. The light is wide and symmetrical. A special beam pattern is designed to avoid glare for other road users.

### Country light



Activated automatically at a speed above approx. 55 km/h when driving in rural areas. The illumination of the current lane and the side of the road is improved. Oncoming and preceding vehicles are not dazzled.

### 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 and reacts to steering angle.

### Corner light



When turning off, depending on the steering angle and the turn signal light, particular LEDs are triggered which illuminate the direction of travel. It is activated up to a speed of 40 km/h.

### Reverse parking function

To assist driver's orientation when parking, both corner lights and reversing light illuminate when headlights are on and reverse gear is engaged. They remain illuminated for a short time after disengaging reverse gear or until driving faster than 7 km/h in a forward gear.

### High beam assist

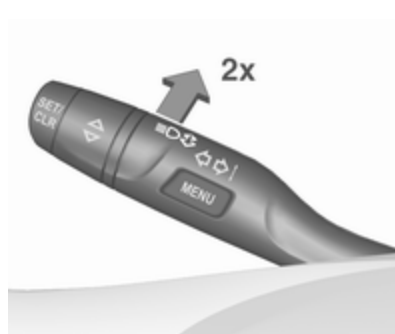
This feature allows the high beam to function as main driving light at night.

The camera in the windscreen detects the lights of oncoming or preceding vehicles. Each LED on right or left side can be triggered or faded out particularly according to the traffic situation. This gives the best light distribution without glaring other road users. 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.



High beam assist includes a special motorway mode. When driving faster than 115 km/h on motorways, the light beam becomes smaller to avoid glaring of oncoming traffic. When following vehicles ahead or passing, mirror glaring for these vehicles is reduced.

**Activation**  
Indicator lever with or without MENU button



Activate high beam assist by pushing the indicator lever twice. High beam is switched on automatically at a speed above 50 km/h. High beam is switched off at a speed below 35 km/h, but high beam assist remains active.

**Indicator lever with  $\equiv D$  button**



Activate high beam assist by pushing  $\equiv D$  once. High beam is switched on automatically at a speed above 50 km/h. High beam is switched off at a speed below 35 km/h, but high beam assist remains active.

The green control indicator  $\equiv D$  illuminates continuously when the high beam assist is activated, the blue one  $\equiv D$  illuminates when high beam is on.

Control indicator  $\equiv D \leftrightarrow 97$ ,  $\equiv D \leftrightarrow 97$ .

Pushing indicator lever once switches on manual high beam without high beam assist.

High beam assist switches automatically to low beam when:

- Driving in urban areas.
- Reverse parking function is active.
- Front or rear fog lights are switched on.

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

### Deactivation


#### Indicator lever with or without MENU button


If high beam assist is active and high beam is on, pull indicator lever once to deactivate high beam assist.

If high beam assist is active and high beam is off, push indicator lever twice to deactivate high beam assist.

Pushing the indicator lever to activate manual high beam will also deactivate high beam assist.

#### Indicator lever with button

If high beam assist is active and high beam is on, push  once or pull indicator lever once to deactivate high beam assist.

If high beam assist is active and high beam is off, push  once to deactivate high beam assist.

Pushing the indicator lever to activate manual high beam will also deactivate high beam assist.

#### Headlight flash in conjunction with high beam assist

Headlight flash by pulling indicator lever once will not deactivate high beam assist when high beam is off.

Headlight flash by pulling indicator lever once deactivates high beam assist when high beam is on.

#### Dynamic automatic headlight levelling

To prevent oncoming traffic from being dazzled, headlight levelling is automatically adjusted based on inclination information measured by front and rear axle, acceleration or deceleration and vehicle speed.

#### Headlights when driving abroad

↪ 120.

#### 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.

#### Hazard warning flashers

Operated by pressing .





The illustrations show different versions.

In the event of an accident with airbag deployment, the hazard warning flashers are activated automatically.

## Turn and lane-change signals



lever up : right turn signal  
 lever down : left turn signal

If the lever is moved past the resistance point, the turn signal is switched on constantly. When the steering wheel moves back, the turn signal is automatically deactivated.

For three flashes, e.g. when changing lanes, press the lever until resistance is felt and then release.

With a trailer connected, turn signal flashes six times and tone frequency changes when pressing the lever until resistance is felt and then releasing.

Move the lever to the resistance point and hold for longer indication.

Switch the turn signal off manually by moving the lever to its original position.

## Front fog lights



Operated by pressing #D.


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

## Rear fog light



Operated by pressing .

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 towing a trailer or a plug is connected with the socket, e. g. when a bicycle carrier is used.

## Parking lights



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

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

Confirmed by a signal and the corresponding turn signal control indicator.

## Reversing lights

The reversing light comes on when the ignition is on and reverse gear is selected.

## Misted light covers

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

## Interior lighting

### Instrument panel illumination control



Brightness of the following lights can be adjusted in position **AUTO** when the light sensor detects night conditions, or in position ☀ or ⚙.

- instrument panel illumination
- Info-Display
- illuminated switches and operation elements

Turn thumb wheel ☀ and hold until the desired brightness is obtained.

### Interior lights

During entry and exit of the vehicle, the front and rear courtesy lights automatically switch on and then off after a delay.

#### Note

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

#### Front courtesy light



Operate rocker switch:

☐ : automatic switching on and off

press ☀ : on

press ⚙ : off

### Rear courtesy lights

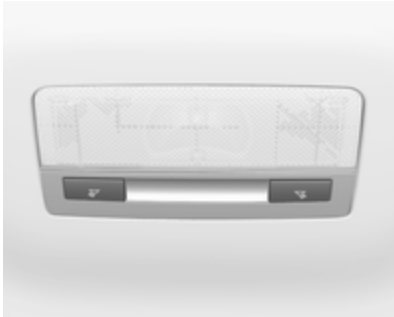
Illuminate in conjunction with the front courtesy light depending on rocker switch position.

### Reading lights



Operated by pressing ☀ and ⚙ in front and rear courtesy lights.





## Sunvisor lights

Illuminates when the cover is opened.

## Lighting features

### Centre console lighting

Spotlight incorporated in the interior lighting comes on when headlights are switched on.

### Entry lighting

#### Welcome lighting

The following lights are switched on for a short time by unlocking the vehicle with the radio remote control:

- headlights
- tail lights
- number plate lights
- instrument panel light
- interior lights

Some functions are only operable when it is dark outside to facilitate locating the vehicle.

The lighting switches off immediately when the ignition is switched on. Starting off ⇨ 17.

This function can be activated or deactivated in the vehicle personalisation.

Select the relevant setting in **Settings**,  
 ◆ **Vehicle** in the Info-Display.

Info-Display ⇨ 103.

Vehicle personalisation ⇨ 107.

The settings can be saved for the key being used ⇨ 24.

The following lights will additionally switch on when the driver's door is opened:

- all switches
- Driver Information Centre
- door pocket lights

### Exit lighting

The following lights switch on if the key is removed from the ignition switch:

- interior lights
- instrument panel light
- puddle lights

They will switch off automatically after a delay. This function works only in the dark. Theatre lighting is activated if the driver's door is opened during this time.

### Path lighting

Headlights, tail lights and number plate lights illuminate the surrounding area for an adjustable time after leaving the vehicle.

### Activating



1. Switch off the ignition.
2. Remove the ignition key.
3. Open the driver's door.

4. Pull the turn signal lever.

5. Close the driver's door.

If the driver's door is not closed, the lights switch off after two minutes.

Exit lighting is switched off immediately if the turn signal lever is pulled while the driver's door is open.

This function can be activated or deactivated in the vehicle personalisation.

Select the relevant setting in **Settings**, **Vehicle** in the Info-Display.

Info-Display ⇨ 103.

Vehicle personalisation ⇨ 107.

The settings can be saved for the key being used ⇨ 24.

## Battery discharge protection

### Vehicle battery state of charge function

The function guarantees longest vehicle battery life via a generator with controllable power output and optimised power distribution.

To prevent discharge of the vehicle battery when driving, the following systems are reduced automatically in two stages and finally switched off:

- auxiliary heater
- heated rear window and mirrors
- heated seats
- fan

In the second stage, a message which confirms the activation of the vehicle battery discharge protection will be displayed in the Driver Information Centre.

### Switching off electric lights

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

## Climate control






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## Climate control systems

### Heating and ventilation system



Controls for:

- temperature
- air distribution ,  and 
- fan speed 
- demisting and defrosting 




Heated rear window  → 39.

### Temperature

red : warm  
blue : cold

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

### Air distribution

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

All combinations are possible.

### Fan speed

Adjust the air flow by switching the fan to the desired speed.

### Demisting and defrosting



- Press : the air distribution is directed towards the windscreen.
- Set temperature control to warmest level.
- Set fan speed to highest level.
- Switch on heated rear window .
- Open side air vents as required and direct them towards the door windows.

### Air conditioning system



In addition to the controls of the heating and ventilation system, the air conditioning system has controls for:

- A/C** : cooling
- : air recirculation

Heated rear window ↗ 39, Heated seats ↗ 48, Ventilated seats ↗ 49, Heated steering wheel ↗ 77.

### Cooling A/C




Press **A/C** to switch on cooling. Activation is indicated by illumination of the LED in the button. Cooling is only functional when the engine is running and climate control 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. Activated cooling may inhibit Autostops.

### Air recirculation system




Press  to activate air recirculation mode. Activation is indicated by the LED in the button.

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 .

### Maximum cooling





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



- Switch on cooling **A/C**.
- Air circulation system  on.
- Press air distribution switch .
- Set temperature control to coldest level.
- Set fan speed to highest level.
- Open all vents.



## Demisting and defrosting the windows





- Press : the air distribution is directed towards the windscreen.
- Set fan speed to highest level.
- Set temperature control to warmest level.
- Switch on heated rear window .
- Open side air vents as required and direct them towards the door windows.

### Note

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

If  is pressed with the fan switched on and the engine running, an Autostop will be inhibited until  is pressed again or until the fan is switched off.

If  is pressed while the engine is in an Autostop, the engine will restart automatically.

If  is pressed with the fan switched on while the engine is in an Autostop, the engine will restart automatically.

Stop-start system  145.





## Electronic climate control system





The dual zone climate control allows different temperatures for driver side and front passenger side.

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



Controls for:

- temperature on driver side
- air distribution 
- fan speed 
- temperature on front passenger side
- system on or off **ON/OFF**
- cooling **A/C**
- automatic mode **AUTO**
- manual air recirculation 
- demisting and defrosting 
- dual zone temperature synchronisation **SYNC**

Heated rear window  ↗ 39, Heated seats  ↗ 48, Ventilated seats  ↗ 49, Heated steering wheel  ↗ 77.



Each change of settings is shown in the Info-Display for a few seconds.

The electronic climate control system is only fully operational when the engine is running.

### Automatic mode AUTO



Basic setting for maximum comfort:

- Press **AUTO**, the air distribution and fan speed are regulated automatically.
- Open all air vents to allow optimised air distribution in automatic mode.

- Press **A/C** to switch on optimal cooling and demisting. Activation is indicated by illumination of the LED in the button.
- Set the preselected temperatures for driver and front passenger using the left and right rotary knob. Recommended temperature is 22 °C.

The fan speed regulation in automatic mode can be changed in the Settings menu.

Vehicle personalisation ↗ 107.

### Temperature preselection



Set temperatures to the desired value. The knob on the passenger side changes the temperature for the passenger side. The knob on the driver's side changes the temperature for the driver's side or for both sides depending on activation of synchronisation **SYNC**.

The selected temperature is indicated in the display of the knob.

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.


### Dual zone temperature synchronisation **SYNC**



Press **SYNC** to link passenger side temperature setting to the driver side. Activation is indicated by the LED in the button.

When passenger side settings will be adjusted, synchronisation is deactivated and the LED extinguishes.

### Demisting and defrosting the windows







- Press . Activation is indicated by illumination of the LED in the button.
- Temperature and air distribution are set automatically and the fan runs at high speed.


- Switch on heated rear window .
- To return to previous mode: press , to return to automatic mode: press **AUTO**.


Settings of automatic rear window heating can be changed in the Settings menu in the Info-Display. Vehicle personalisation ↻ 107.

#### Note

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

If  is pressed with the fan switched on and the engine running, an Autostop will be inhibited until  is pressed again or until the fan is switched off.

If  is pressed while the engine is in an Autostop, the engine will restart automatically.

If  is pressed with the fan switched on while the engine is in an Autostop, the engine will restart automatically.

Stop-start system ↻ 145.



## System on or off ON/OFF

Cooling, fan and automatic mode can be switched off by pressing **ON/OFF**. When the system is deactivated, the LED in the button **ON/OFF** is off.

Activation by pressing **ON/OFF**, **A/C** or **AUTO**. Activation is indicated by the LED in the button.

## Manual settings

Climate control system settings can be changed by activating the buttons and rotary knobs as described below. Changing a setting will deactivate the automatic mode.

## Fan speed



Press left button to decrease or right button to increase fan speed. The fan speed is indicated by the number of LEDs in the button.

Pressing the left button for longer: fan and cooling are switched off.


Pressing the right button for longer: the fan runs at maximum speed.


To return to automatic mode: Press **AUTO**.

## Air distribution



Press the appropriate button for the desired adjustment. Activation is indicated by illumination of the LED in the button.

 : to windscreen and front door windows (air conditioning is activated in the background to help preventing windows from fogging)

 : to head area via adjustable air vents

 : to foot well

All combinations are possible.

Return to automatic air distribution: press **AUTO**.

## Cooling A/C



Press **A/C** to switch on cooling. Activation is indicated by illumination of the LED in the button. Cooling is only functional when the engine is running and climate control fan is switched on.

Press **A/C** again to switch off cooling. The air conditioning system cools and dehumidifies (dries) when outside temperature is above a specific level. 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. When the cooling


system is switched off, no engine restart will be requested by the climate control system during an Autostop. Exception: defrost system is activated and outside temperature above 0 °C requests a restart.

The display will indicate **A/C ON** when cooling is activated or **A/C OFF** when the cooling is deactivated.

Activation or deactivation of cooling operation after engine start can be changed in the Settings menu in the Info-Display. Vehicle personalisation ⇄ 107.


Manual air recirculation 

Press  to activate the air recirculation mode. Activation is indicated by illumination of the LED in the button.

Press  again to deactivate 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 air recirculation

An air humidity sensor switches automatically to external air if internal air humidity is too high.

## Basic settings

Some settings can be changed in the Settings menu in the Info-Display. Vehicle personalisation ↻ 107.

## Auxiliary heater

### Air heater

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

## Air vents

### Adjustable air vents

At least one air vent must be open while cooling is on.



To open the vent, turn the adjuster wheel towards the bigger ■ symbol. Adjust the air amount at the vent outlet by turning the adjuster wheel.



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

To close the vent, turn the adjuster wheel towards the smaller ■ symbol.

### **⚠ Warning**

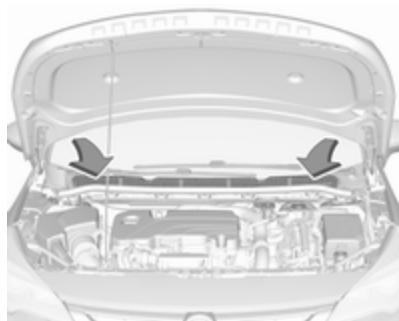
Do not attach any objects to the slats of the air vents. Risk of damage and injury in case of an accident.

### Fixed air vents

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

## Maintenance

### Air intake



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

### Pollen filter

The pollen filter cleans dust, soot, pollen and spores from the air entering the vehicle through the air intake.

## Air conditioning regular operation

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

## Service

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

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

# Driving and operating

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## Driving hints

### Control of the vehicle

#### Never coast with engine not running (except during Autostop)

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.

Stop-start system ⇨ 145.

### 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.

### 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.

## Starting and operating

### New vehicle running-in

Do not brake unnecessarily hard for the first few journeys.

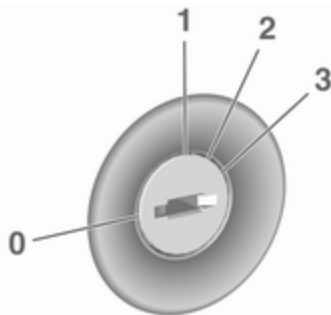
During the first drive, smoke may occur because of wax and oil evaporating off the exhaust system. Park the vehicle in the open for a while after the first drive and avoid inhaling the fumes.

During the running-in period fuel and engine oil consumption may be higher and the cleaning process of the diesel particle filter may take place more often. Autostop may be inhibited to allow for charging the battery.

Diesel particle filter ⇨ 149.

### 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 : accessory power mode: Steering wheel lock released, some electrical functions are operable, ignition is off
- 2 : ignition on power mode: Ignition is on, diesel engine is preheating. Control indicators illuminate and most electrical functions are operable
- 3 : engine start: Release key after starting procedure begins

### Steering wheel lock

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 steering wheel lock.

### Power button



Electronic key must be inside the vehicle.

### Accessory power mode

Press **Engine Start/Stop** once without operating clutch or brake pedal. The yellow LED in the button illuminates. Steering wheel lock is released and some electrical functions are operable, ignition is off.

### Ignition on power mode

Press and hold **Engine Start/Stop** for 6 seconds without operating clutch or brake pedal. The green LED in the button illuminates, diesel engine is preheating. Control indicators illuminate and most electrical functions are operable.

### Engine start

Operate clutch pedal (manual transmission) or brake pedal (automatic transmission or manual transmission automated) and press **Engine Start/Stop** once more. Release button after starting procedure begins.

### Ignition off

Press **Engine 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, provided the ignition was on previously.

### Emergency shut off during driving

Press **Engine Start/Stop** for longer than 2 seconds or press twice briefly within 5 seconds ⇨ 143.

### Steering wheel lock

The steering wheel lock activates automatically when:

- The vehicle is stationary.
- The ignition has been switched off.
- The driver's door is opened.

To release steering wheel lock, open and close driver's door and switch on accessory mode or start the engine directly.

#### **⚠ Warning**

If the vehicle battery is discharged, the vehicle must not be towed, tow-started or jump-started as the steering wheel lock cannot be disengaged.

### Operation on vehicles with electronic key system in case of failure

If either the electronic key fails or the battery of the electronic key is weak, the Driver Information Centre may display **No Remote Detected** or **Replace Battery in Remote Key** when you try to start the vehicle.

Place the electronic key solely centred in the transmitter area in longitudinal direction flat with buttons upside as shown in the illustration.



Other objects, e.g. other keys, transponder, tags, coins etc. must be removed from the centre console.

Depress the clutch pedal (manual transmission) or the brake pedal (automatic transmission or manual transmission automated) and press **Engine Start/Stop**.

To switch off the engine, press **Engine Start/Stop** again. Remove the electronic key from the centre console.

This option is intended for emergencies only. Replace the electronic key battery as soon as possible ⇨ 22.

For unlocking or locking the doors, see fault in radio remote control unit or electronic key system ⇨ 24.

### Retained power off

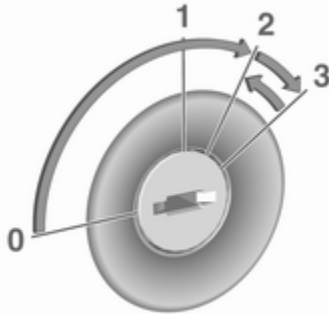
The following electronic systems can work until the driver's door is opened or for 10 minutes after the ignition is switched off:

- power windows
- sunroof
- power outlets



## Starting the engine

### Vehicles with ignition switch




Turn key to position **1** to release the steering wheel lock.

Manual transmission: operate clutch and brake pedal.

Automatic transmission: operate brake pedal and move selector lever to **P** or **N**.

Manual transmission automated: operate brake pedal.

Do not operate accelerator pedal.

Diesel engines: turn the key to position **2** for preheating and wait until control indicator  extinguishes.

Turn key briefly to position **3** and release: an automatic procedure operates the starter with a short delay until the engine is running, see Automatic Starter Control.

Manual transmission: during an Autostop, the engine can be started by depressing the clutch pedal ↻ 145.

Automatic transmission or manual transmission automated: during an Autostop, the engine can be started by releasing the brake pedal ↻ 145.

### Vehicles with power button



Manual transmission: operate clutch and brake pedal.

Automatic transmission: operate brake pedal and move selector lever to **P** or **N**.

Manual transmission automated: operate brake pedal.

Do not operate accelerator pedal.

Press and release **Engine Start/Stop**: an automatic procedure operates the starter with a short delay until the engine is running, see automatic starter control.

Before restarting or to switch off the engine when vehicle is stationary, press **Engine Start/Stop** once more briefly.

Manual transmission: during an Autostop, the engine can be started by depressing the clutch pedal ⇨ 145.

Automatic transmission or manual transmission automated: during an Autostop, the engine can be started by releasing the brake pedal ⇨ 145.

### **Emergency shut off during driving**

If the engine needs to be switched off during driving in case of emergency, press **Engine Start/Stop** for longer than two seconds or press twice briefly within 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**.

### **Automatic starter control**

This function controls the engine starting procedure. The driver does not need to hold the key in position **3** or to hold **Engine Start/Stop** pressed. Once applied, the system will go on starting automatically until the engine

is running. Because of the checking procedure, the engine starts running after a short delay.

Possible reasons for a non-starting engine:

- Clutch pedal not operated (manual transmission).
- Brake pedal not operated or selector lever not in **P** or **N** (automatic transmission).
- Brake pedal not operated (manual transmission automated).
- Timeout occurred.

### **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 is released.

## 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

The stop-start system is available as soon as the engine is started, the vehicle starts-off and the conditions as stated below in this section are fulfilled.

## Deactivation



Deactivate the stop-start system manually by pressing **OFF**. The deactivation is indicated when the LED in the button illuminates.

### Autostop

#### Vehicles with manual transmission

Depending on the engine, two versions of an Autostop are available. See engine data to identify the engine identifier code for your vehicle  
↪ 248.

#### Conventional Autostop

All petrol engines and diesel engines except B16DTU have only the conventional Autostop.

An Autostop can be activated at a standstill or at a low speed up to 5 km/h.

Activate a conventional Autostop as follows:

- Depress the clutch pedal.
- Set the lever in neutral.
- Release the clutch pedal.

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

#### Early Autostop

Engine B16DTU has early Autostop in addition to conventional Autostop.

An Autostop, both conventional and early, can be activated at a standstill or at a low speed up to 14 km/h.

Activate an early Autostop as follows:

- Depress the brake pedal.
- Depress the clutch pedal.

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

### Vehicles with automatic transmission or manual transmission automated

If the vehicle is at a standstill with depressed brake pedal, Autostop is activated automatically.

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

The stop-start system will be disabled on inclines of 15% or more.

### Indication



An Autostop is indicated by the needle at the **AUTOSTOP** position in the tachometer.

After restart, the idle speed is indicated.

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 bonnet is fully closed.
- 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 above  $-5^{\circ}\text{C}$ .
- The climate control system allows an Autostop.
- The brake vacuum is sufficient.

- The self-cleaning function of the diesel particle filter is not active.
- The vehicle was driven at least at walking speed since the last Autostop.

Otherwise an Autostop will be inhibited.

Certain settings of the climate control system may inhibit an Autostop. See Climate control chapter for more details ⇨ 130.

Immediately after motorway driving an Autostop may be inhibited.

New vehicle running-in ⇨ 140.

### 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 manual transmission

Depending on the engine, two versions of a restart are available. See engine data to identify the engine identifier code for your vehicle  
⇨ 248.

A restart for all engines except B16DTU is possible at a standstill or at a low speed up to 7 km/h and up to 14 km/h for engine B16DTU.

### Conventional restart

All engines have conventional restart. Depress the clutch pedal without pressing the brake pedal to restart the engine, on engines with late restart only possible without depressed brake pedal.

### Late restart

All petrol engines and diesel engines B16DTU and B16DTR have late restart in addition to conventional restart.

- Depress the brake pedal.
- Depress the clutch pedal.

- Select first gear.
- Release the brake pedal to restart the engine.

### Vehicles with automatic transmission or manual transmission automated:

Release the brake pedal or move selector lever out of **D** into **N** or **P** to restart the engine.

### Restart of the engine by the stop-start system

On vehicles with manual transmission which are in a conventional Autostop, the selector lever must be in neutral to enable an automatic restart.

On vehicles with manual transmission which are in an early Autostop, an automatic restart is possible in every selector lever position.

On vehicles with automatic transmission or manual transmission automated, the selector lever must be in **D** 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:

- The stop-start system is manually deactivated.
- The bonnet is opened.
- The driver's seat belt is unfastened and the driver's door is opened.
- The engine temperature is too low.
- The charging level of the vehicle battery is below a defined level.
- The brake vacuum is not sufficient.
- The vehicle is driven at least at walking speed.
- The climate control system requests an engine start.
- The air conditioning is manually switched on.

If the bonnet is not fully closed, a warning message is displayed in the Driver Information Centre.

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.

## Parking

### ⚠ Warning

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply the parking brake. Activate the manual parking brake without pressing the release button. Apply as firmly as possible on a downhill slope or uphill slope. Depress brake pedal at the same time to reduce operating force.

For vehicles with electric parking brake, pull switch (Ⓟ) for a minimum of one second until control indicator (Ⓟ) illuminates constantly and electric parking brake is applied ⇨ 94.

- Switch off the engine.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector

lever to position **P** before removing the ignition key or switching off ignition on vehicles with power button. 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** before removing the ignition key or switching off ignition on vehicles with power button. Turn the front wheels towards the kerb.

- Close the windows and the sunroof.
- Remove the ignition key from the ignition switch or switch off ignition on vehicles with power button. Turn the steering wheel until the steering wheel lock is felt to engage.

For vehicles with automatic transmission, the key can only be removed when the selector lever is in position **P**.

For vehicles with manual transmission automated, the key can only be removed from the ignition switch when the parking brake is applied.

- Lock the vehicle.
- Activate the anti-theft alarm system.
- The engine cooling fans may run after the engine has been switched off ⇨ 197.

### 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.

## Emergency operation under extreme cold temperatures

### ⚠ Warning

This emergency operation may only be carried out in case of extremely cold temperatures and if the vehicle is parked on a level surface.

In countries with extreme cold temperatures it may be necessary to park the vehicle without applied parking brake.

This is an emergency operation to avoid freezing of the parking brake.

### Vehicles equipped with manual transmission automated, electric parking brake and power button

On vehicles with manual transmission automated the ignition can only be switched off if the parking brake is applied. Therefore the following items must be carried out to release the electric parking brake:

1. Apply electric parking brake and switch off ignition.
2. Switch on ignition by pressing and holding **Engine Start/Stop** for 6 seconds without operating brake pedal.
3. Press brake pedal and release electric parking brake.
4. Switch off ignition.

## 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.


## Diesel particle filter


The diesel particle filter system filters harmful soot particles out of the exhaust gases. The system includes a self-cleaning function that runs automatically during driving without any notification. The filter is cleaned by periodically burning off the soot particles at high temperature. This process takes place automatically under set driving conditions and may take up to 25 minutes. Typically it

needs between seven and 12 minutes. Autostop is not available and fuel consumption may be higher during this period. The emission of smells and smoke during this process is normal.

Under certain driving conditions, e.g. short distances, the system cannot clean itself automatically.

If cleaning of the filter is required and if previous driving conditions did not enable automatic cleaning, it will be indicated by  and a warning message in the Driver Information Centre.

 with a warning message illuminates when diesel particle filter is full. Start cleaning process as soon as possible.

 with a warning message flashes when diesel particle filter has reached the maximum filling level. Start cleaning process immediately to avoid damage to the engine.

### Cleaning process

To activate cleaning process, continue driving, keep engine speed above 2000 revolutions per minute. Shift down if necessary. Diesel particle filter cleaning is then started.

If cleaning is not possible for any reasons, a warning message appears in the Driver Information Centre. Seek the assistance of a workshop.

#### Caution

If the cleaning process is interrupted, there is a risk of provoking severe engine damage.



Cleaning takes place quickest at high engine speeds and loads.

A message appears as soon as the self-cleaning operation is complete.

### Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gases.

#### Caution

Fuel grades other than those listed on pages  188,  248 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.

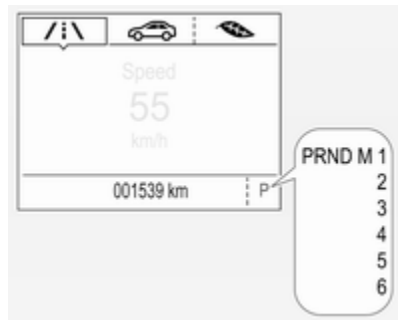


## Automatic transmission

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

Manual shifting is possible in manual mode by tapping the selector lever to + or - ⇨ 152.

## Transmission display



The mode or selected gear is shown in the transmission display.

In automatic mode, the driving programme is indicated by **D** in the Driver Information Centre.

In manual mode, **M** and the number of the selected gear is indicated.

**R** indicates reverse gear.

**N** indicates neutral position.

**P** indicates park position.

## Selector lever



**P** : park position, wheels are locked, engage only when the vehicle is stationary and the parking brake is applied

**R** : reverse gear, engage only when the vehicle is stationary

**N** : neutral

**D** : automatic mode

**M** : manual mode

**+** : upshift in manual mode

**-** : downshift in manual mode



The selector lever is locked in **P** and can only be moved when the ignition is on, the release button on the selector lever is pushed and the brake pedal is applied.

Without brake pedal applied, control indicator (M) illuminates.

If the selector lever is not in **P** when the ignition is switched off, control indicator (M) flashes.

To engage **P** or **R**, press the release button.

The engine can only be started with the lever in position **P** or **N**. When position **N** is selected, press the brake pedal or apply the parking brake before starting.

Do not accelerate while engaging a gear. Never depress the accelerator pedal and brake pedal at the same time.

When a gear is engaged, the vehicle slowly begins to creep when the brake is released.

### Engine braking

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

### Rocking the vehicle

Rocking the vehicle is only permissible if the vehicle is stuck in sand, mud or snow. Move the selector lever between **D** and **R** in a repeat pattern. Do not race the engine and avoid sudden acceleration.

### Parking

Apply the parking brake and engage **P**.

The ignition key can only be removed when the selector lever is in position **P**.

### Manual mode



Move selector lever out of position **D** towards the left in position **M**.

Tap selector lever upwards + to shift to a higher gear.

Tap the selector lever downwards - to shift to a lower gear.

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 in the Driver Information Centre.

In manual mode, no automatic shifting to a higher gear takes place at high engine revolutions.

### 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.

## 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

If the accelerator pedal is pressed down completely in automatic mode, the transmission shifts to a lower gear depending on engine speed.

## Fault

In the event of a fault a message is displayed in the Driver Information Centre. Vehicle messages ⇨ 105.

Electronic transmission control enables only fourth gear. The transmission no longer shifts automatically.

Have the cause of the fault remedied by a workshop.

## Interruption of power supply

In the event of an interruption of power supply, the selector lever cannot be moved out of the **P** position. The ignition key cannot be removed from the ignition switch.

If the vehicle battery is discharged, start the vehicle using jump leads ⇨ 233.

If the vehicle battery is not the cause of the fault, release the selector lever.

1. Apply the parking brake.



2. Release the selector lever trim from the centre console. Poke with a finger into the leather socket below the selector lever and push the trim upwards. Rotate trim to the left.



## Manual transmission



3. Insert a small stick (e.g. a pen or screw driver) into the opening near the selector lever. Push down the the stick vertically and move the selector lever out of **P**. If this position is engaged again, the selector lever will be locked again. Have the cause of the power supply interruption remedied by a workshop.
4. Mount the selector lever trim onto the centre console and refit.

To engage reverse, depress the clutch pedal and then press the release button on the selector lever and engage the gear.

If the gear does not engage, set the 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.

### Caution

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

Gear shift indication ⇨ 95.

Stop-start system ⇨ 145.

## Manual transmission automated

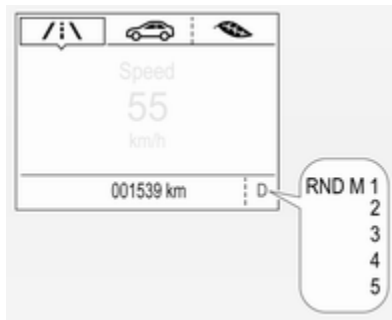
The automated manual transmission permits manual gearshifting (manual mode) or automatic gearshifting (automatic mode), both with automatic clutch control.

Manual shifting is possible by tapping the selector lever in manual mode.

### Note

When unlocking or opening a vehicle door, a sound may be audible caused by the hydraulic system.

## Transmission display



In automatic mode, the driving programme is indicated by **D** in the Driver Information Centre.

In manual mode, **M** and the number of the selected gear is indicated.

**R** indicates reverse gear.

**N** indicates neutral.

## Selector lever



Always move the selector lever in the appropriate direction as far as it will go. Upon release, it automatically returns to the centre position.

**N** : neutral position

**D/M** : switch between automatic (**D**) and manual (**M**) shift mode.

The transmission display shows either **D** or **M** with the selected gear

**+** : upshifting in manual mode

**-** : downshifting in manual mode

**R** : reverse gear. Engage only when vehicle is stationary

If selector lever is moved from **R** to the left, **D** is directly engaged.

If selector lever is moved from **D** to **+** or **-**, manual mode **M** is selected and the transmission shifts.

### Starting off

Depress the foot brake and move the selector lever to **D/M** or **R**. If **D** is selected, transmission is in automatic mode and first gear is engaged. If **R** is selected, reverse gear is engaged.

The vehicle starts to move when the foot brake is released.

To start-off without depressing the foot brake, accelerate immediately after engaging a gear as long as **D** or **R** flashes.

If neither the accelerator nor the brake pedal are depressed, no gear is engaged and **D** or **R** flashes for a brief time in the display.

### Stopping the vehicle

In **D**, first gear is engaged and the clutch is released when the vehicle is stopped. In **R**, reverse gear remains engaged.

## Engine braking

### Automatic mode

When driving downhill, the manual transmission automated does not shift into higher gears until a fairly high engine speed has been reached. It shifts down in good time when braking.

### Manual mode

To utilise the engine braking effect, select a lower gear in good time when driving downhill. Changing into manual mode is only possible while the engine is running or during an Autostop.

### Rocking the vehicle

Rocking the vehicle is only permissible if the vehicle is stuck in sand, mud or snow. Move the selector lever between **R** and **D** in a repeat pattern. Do not race the engine and avoid sudden acceleration.

## Parking

The most recently engaged gear (see transmission display) remains engaged when switching off ignition. With **N**, no gear is engaged.

Therefore always apply the parking brake when switching off ignition. If parking brake is not applied, **P** flashes in the transmission display and the key cannot be removed from the ignition switch. **P** stops flashing in the transmission display as soon as the parking brake is slightly applied.

When the ignition is switched off, the transmission no longer responds to movement of the selector lever.

### Manual mode

If a higher gear is selected when the engine speed is too low, or a lower gear when the speed is too high, the shift is not executed. This prevents the engine from running at too low or too high an engine speed. A warning message is displayed in the Driver Information Centre. Vehicle messages ⇨ 105.

If engine speed is too low, the transmission automatically shifts to a lower gear.

When **+** or **-** is selected in automatic mode, the transmission switches to manual mode and shifts accordingly.

### Gear shift indication

The symbol ▲ or ▼ with a number beside is indicated when gearshifting is recommended for fuel saving reasons.

Shift indication appears only in manual mode.

## Electronic driving programmes

- Following a cold start, the operating temperature programme increases engine speed to quickly bring the catalytic converter to the required temperature.
- The adaptive programme tailors gearshifting to the driving conditions, e.g. greater load or gradients.

### Kickdown

If the accelerator pedal is pressed down completely in automatic mode, the transmission shifts to a lower gear depending on engine speed.

### Fault

To prevent damage to the manual transmission automated, the clutch is engaged automatically at high clutch temperatures.

In the event of a fault, a warning message is displayed in the Driver Information Centre. Vehicle messages ⇨ 105.

Continued driving is restricted or not possible, depending on the fault.

Have the cause of the fault remedied by a workshop.

## Brakes

The brake system comprises two independent brake circuits.

If a brake circuit fails, the vehicle can still be braked using the other brake circuit. However, braking effect is achieved only when the brake pedal is depressed firmly. Considerably more force is needed for this. The braking distance is extended. Seek the assistance of a workshop before continuing the journey.

When the engine is not running, the support of the brake servo unit disappears once the brake pedal has been depressed once or twice. Braking effect is not reduced, but braking requires significantly greater force. It is especially important to bear this in mind when being towed.

Control indicator (D) ⇨ 94.

### 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.

After starting off, the system performs a self-test which may be audible.



Control indicator (ABS) ⇨ 95.

### Adaptive brake light

During full braking, all three brake lights flash for the duration of ABS control.

### 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.

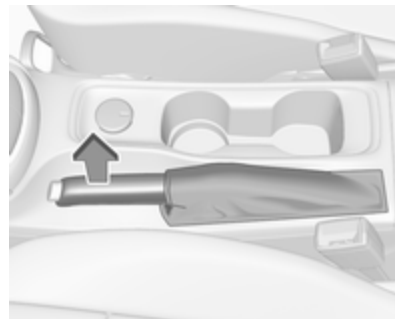
Have the cause of the fault remedied by a workshop.

### Parking brake

#### ⚠ Warning

Before leaving the vehicle, check parking brake status. Control indicator (P) must illuminate constantly.

### Manual parking brake



#### ⚠ Warning

Always apply parking brake firmly without operating the release button, and apply as firmly as possible on a downhill or uphill slope.

To release the parking brake, pull the lever up slightly, press the release button and fully lower the lever.



To reduce the operating forces of the parking brake, depress the foot brake at the same time.

Control indicator (I) ⇨ 94.

## Electric parking brake



### Applying when vehicle is stationary

#### **⚠ Warning**

Pull switch (P) for a minimum of one second until control indicator (I) illuminates constantly and electric parking brake is applied

⇨ 94. The electric parking brake operates automatically with adequate force.

Before leaving the vehicle, check the electric parking brake status. Control indicator (I) ⇨ 94.

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 (P).

### Drive away function

Depressing clutch pedal (manual transmission) or engaging drive gear (automatic transmission) and then depressing the accelerator pedal releases the electric parking brake automatically. This is not possible when the switch is pulled at the same time.

This function also helps driving away on inclines.

Aggressive drive away may reduce life time of wear parts.

### Dynamic braking when vehicle is moving

When the vehicle is moving and the switch (P) is kept pulled, the electric parking brake system will decelerate the vehicle, but will not apply statically.

As soon as the switch (P) is released, dynamic braking will be stopped.

### Automatic applying



If the vehicle is equipped with automatic transmission and adaptive cruise control is active, electric parking brake is applied automatically when vehicle is stopped by the system for more than two minutes.



Parking brake releases automatically after moving off.



### Functionality check


When the vehicle is not moving, the electric parking brake might be applied automatically. This is done to check the system.

### Fault

Failure mode of electric parking brake is indicated by a control indicator  and by a vehicle message which is displayed in the Driver Information Centre. Vehicle messages  105.

Apply electric parking brake: pull and hold the switch  for more than five seconds. If control indicator  illuminates, electric parking brake is applied.

Release electric parking brake: push and hold the switch  for more than two seconds. If control indicator  extinguishes, electric parking brake is released.

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.

### 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.

## Ride control systems


### Traction Control system

The Traction Control system (TC) is a component of the Electronic Stability Control (ESC).

TC improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the drive wheels from spinning.

As soon as the drive 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.



TC is operational after each engine start as soon as the control indicator  extinguishes.

When TC operates  flashes.

### ⚠ Warning


Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Control indicator   95.

### Deactivation




TC can be switched off when spinning of drive wheels is required: press  briefly.



Control indicator  illuminates.


A status message appears in the Driver Information Centre when TC is deactivated.

When TC is deactivated, ESC remains active but with higher control threshold.

TC is reactivated by pressing  again. A status message pops up in the Driver Information Centre when TC is reactivated.

TC is also reactivated the next time the ignition is switched on.

### Fault

If there is a fault in the system the control indicator  illuminates continuously and a message appears in the Driver Information Centre. The system is not operational.

Have the cause of the fault remedied by a workshop.

### Electronic Stability Control


Electronic Stability Control (ESC) improves driving stability when necessary, regardless of the type of road surface or tyre 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 Traction Control system (TC). It prevents the drive wheels from spinning.

A special feature Torque distribution allocates the torque between the drive wheels before ESC operation. When cornering the curve inner wheels are braked individually and additionally engine torque will be delivered to the outer wheel. This reduces the tendency of understeer and improves traction when cornering fast.



ESC is operational after each engine start as soon as the control indicator  extinguishes.

When ESC operates  flashes.

### Warning

Do not let this special safety feature tempt you into taking risks when driving.




Adapt speed to the road conditions.

Control indicator  ⇄ 95.



## Deactivation






ESC and TC can be deactivated:

- hold  pressed for a minimum of five seconds: ESC and TC are both deactivated.  and  illuminate and status messages appear in the Driver Information Centre.




- To deactivate only Traction control system press button  briefly: TC is inactive but ESC remains active,  illuminates. A status message appears in the Driver Information Centre when TC is deactivated.

ESC is reactivated by pressing the  button again. If the TC system was previously disabled, both TC and ESC are reactivated.  and  extinguishes when TC and ESC are reactivated.

ESC is also reactivated the next time the ignition is switched on.

## Fault

If there is a fault in the system the control indicator  illuminates continuously and a message appears in the Driver Information Centre. The system is not operational.

Have the cause of the fault remedied by a workshop.

## Sport mode

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

- The engine reacts more quickly to the accelerator pedal.
- Steering reacts more direct to provide better contact with the road surface.
- Shift points of automatic transmission occur later.

## Activation



Press **SPORT** when engine is running.

LED in the button lights up when sport mode is active and a status message appears in the Driver Information Centre.

## Deactivation

Briefly press **SPORT**. Sport mode is deactivated the next time the ignition is switched on.

## Driver assistance systems

### ⚠ 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.

## Cruise control

The cruise control can store and maintain speeds of approx. 30 km/h to maximum vehicle speed. Deviations from the stored speeds may occur when driving uphill or downhill.

For safety reasons, the cruise control cannot be activated until the foot brake has been operated once. Activating in first gear is not possible.



Do not use the cruise control if it is not advisable to maintain a constant speed.





Illustrations show different versions.

On vehicles with automatic transmission or manual transmission automated cruise control can be activated in automatic mode and manual mode.

Control indicator  → 97.


### Switching on



Press ; control indicator  in instrument cluster illuminates white.

### Activation



Accelerate to the desired speed and turn thumb wheel to **SET/-**, the current speed is stored and maintained. Control indicator  in instrument cluster illuminates green. Set speed is indicated on the display. Accelerator pedal can be released.

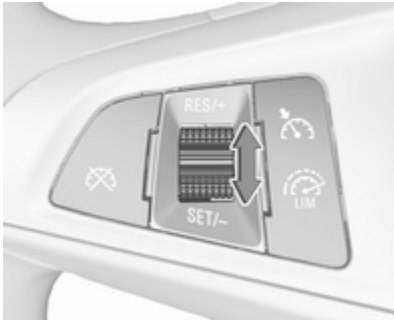
Vehicle speed can be increased by depressing the accelerator pedal. When the accelerator pedal is released, the previously stored speed is resumed.

Cruise control remains activated while gearshifting.

### Increase speed

With cruise control active, hold thumb wheel turned to **RES/+** or briefly turn to **RES/+** repeatedly: speed increases continuously or in small increments.



Alternatively accelerate to the desired speed and store by turning to **SET/-**.



### Reduce speed

With cruise control active, hold thumb wheel turned to **SET/-** or briefly turn to **SET/-** repeatedly: speed decreases continuously or in small increments.

### Deactivation

Press ; control indicator  in instrument cluster illuminates white. Cruise control is deactivated. Last stored speed remains in memory for later speed resume.



Automatic deactivation:


- Vehicle speed is below approx. 30 km/h.
- Vehicle speed drops more than 25 km/h below the set speed.
- The brake pedal is depressed.
- The clutch pedal is depressed for a few seconds.
- The selector lever is in **N**.
- Engine speed is in a very low range.
- The Traction Control system or Electronic Stability Control is operating.
- Parking brake is applied.
- Simultaneous pressing **RES/+** and brake pedal deactivates cruise control and will delete stored speed.

### Resume stored speed

Turn thumb wheel to **RES/+** at a speed above 30 km/h. The stored speed will be obtained.

### Switching off

Press , control indicator  in instrument cluster extinguishes. The stored speed is deleted.

Pressing  to activate the speed limiter or switching off the ignition also switches off cruise control and deletes the stored speed.

### Speed limiter

The speed limiter prevents the vehicle exceeding a preset maximum speed.

The maximum speed can be set at speeds above 25 km/h up to 200 km/h.

The driver can only accelerate up to the preset speed. Deviations from the limited speed may occur when driving downhill.



The preset speed limit is displayed in the Driver Information Centre when the system is active.

### Activation



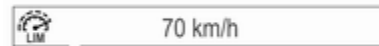
Illustrations show different versions.



Press . If cruise control has been activated before, it is switched off when speed limiter is activated and control indicator  extinguishes.

### Set speed limit

Accelerate to the desired speed and briefly turn thumb wheel to **SET/-**: the current speed is stored as maximum speed. Speed limit is displayed in the Driver Information Centre.



### Change speed limit

With speed limiter active, hold or briefly turn thumb wheel to **RES/+** to increase or **SET/-** to decrease the desired maximum speed.

### Exceeding the speed limit


When exceeding the limited speed without driver input, the speed will flash in the Driver Information Centre and a chime sounds during this period.

In the event of an emergency, it is possible to exceed the speed limit by depressing the accelerator pedal firmly nearly to the final point. In this case no chime appears.

Release the accelerator pedal and the speed limiter function is reactivated once a speed lower than the limit speed is obtained.



## Deactivation


Press : speed limiter is deactivated and the vehicle can be driven without speed limit.


The limited speed will be stored and is indicated in brackets in the Driver Information Centre. Additionally, a corresponding message appears.

## Resume limit speed

Turn thumb wheel to **RES/+**. The stored speed limit will be obtained.

## Switching off

Press , the speed limit indication extinguishes in the Driver Information Centre. The stored speed is deleted.

By pressing  to activate cruise control, speed limiter is also deactivated and the stored speed is deleted.


By switching off the ignition, speed limiter is also deactivated, but the speed limit will be stored for next speed limiter activation.

## Forward collision alert

The forward collision alert can help to avoid or reduce the harm caused by front-end crashes.


Forward collision alert uses the front camera system in the windscreen to detect a vehicle directly ahead, in your path, within a distance of approx. 60 metres.




A vehicle ahead is indicated by control indicator .

If a vehicle directly ahead is approached too quickly, a warning chime and alert in the Driver Information Centre is provided.

Additionally the driver gets notified by a flashing red LED stripe which is projected on the windscreen in the driver's field of view.

A precondition is that forward collision alert is not deactivated by pressing .



## Activation

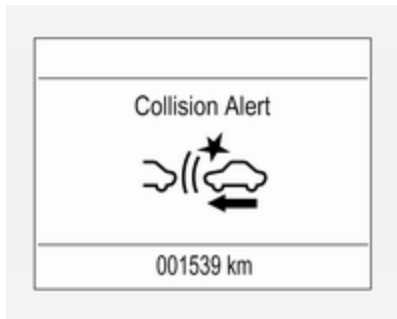
Forward collision alert operates automatically above 8 km/h, if it is not deactivated by pressing , see below.

## Selecting the alert sensitivity


The alert sensitivity can be set to near, medium or far.




Press , the current setting is shown on the Driver Information Centre. Press  repeatedly to change the alert sensitivity. The selected setting is also displayed in the Driver Information Centre.



### Alerting the driver

The vehicle ahead control indicator  illuminates green in the instrument cluster when the system has detected a vehicle in the driving path.

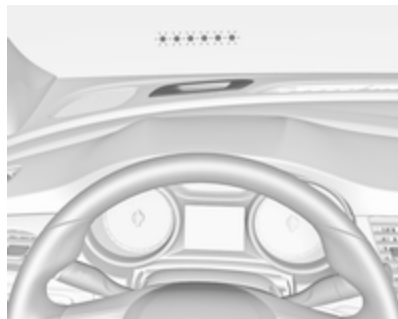
The control indicator  changes to yellow when the distance to a preceding moving vehicle gets too small or when approaching another vehicle too rapidly.

### 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.




When the time to a potential collision with a vehicle in front gets too small and a collision is imminent, the collision alert symbol pops-up in the Driver Information Centre and the driver gets notified by a flashing red LED stripe which is projected on the windscreen in the driver's field of view.



Simultaneously a warning chime sounds. Depress the brake pedal and steer the vehicle, if it is required by the situation.

### Deactivation

The system can be deactivated. Press  repeatedly until **Forward Collision Alert Off** appears in the Driver Information Centre.

If the forward collision alert was deactivated, alert sensitivity is set to "medium" when ignition is switched on next time.

The settings "near", "medium" or "far" will be stored when the ignition is switched off.

## General information

### ⚠ Warning

Forward collision alert is just a warning system and does not apply the brakes. When approaching a vehicle ahead too rapidly, it may not provide you 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.

### System limitations

The system is designed to warn on vehicles only, but may react also to other objects.


In the following cases, forward collision alert may not detect a vehicle ahead or sensor performance is limited:

- on winding roads
- when weather limits visibility, such as fog, rain, or snow
- when the sensor is blocked by snow, ice, slush, mud, dirt, windscreen damage or affected by foreign items, e.g. stickers

## Following distance indication

The following distance indication displays the distance to a preceding moving vehicle. The front camera in the windscreen is used to detect the distance of a vehicle directly ahead in the vehicle's path. It is active at speeds above 40 km/h.

When a preceding vehicle is detected ahead, the distance is indicated in seconds, displayed on a page in the Driver Information Centre.

On Midlevel display, choose **Info** Menu  via **MENU** on the turn signal lever and turn the adjuster wheel to choose following distance indication page, ↻ 98



On Uplevel display, select **Info** menu via steering wheel buttons and press **✓** to select following distance indication ↻ 98.

The minimum indicated distance is 0.5 seconds.

If there is no vehicle ahead or the vehicle ahead is out of range, two dashes will be displayed: -- sec.

## Active emergency braking

Active emergency braking can help to reduce the damage and injury from crashes with vehicles and obstacles directly ahead, when a collision can no longer be avoided either by manual braking or by steering. Before the active emergency braking applies, the driver is warned by the forward collision alert ⇨ 167.

The feature uses various inputs (e.g. camera sensor, brake pressure, vehicle speed) to calculate the probability of a frontal collision.

Active emergency braking operates above walking speed up to 85 km/h. A precondition is that the system is not deactivated by toggling the gap switch ⇨ to **Off** setting, ⇨ 167.

The system includes:

- brake preparation system
- emergency automatic braking
- forward looking brake assist

### ⚠ Warning

This system is not intended to replace the driver responsibility for driving the vehicle and looking ahead. Its function is limited to supplemental use only. The driver must continue to apply the brake pedal as the driving situation dictates.

## Brake preparation system

When approaching a vehicle ahead so quickly that a collision is likely, the brake preparation system slightly pressurises the brakes. This reduces the response time, when a manual or automatic braking is requested.

The brake system is prepared so that braking can occur more rapidly.

The system operates up to a speed of 80 km/h.

## Emergency automatic braking

After the brake preparation and just before the imminent collision, this function automatically applies limited braking to reduce the impact speed of the collision or prohibit a crash.

The system operates up to a speed of 60 km/h.

Below a speed of 40 km/h the system can apply full braking.

## Forward looking brake assist

In addition to the brake preparation system and emergency automatic braking, the forward looking brake assist function makes the brake assist more sensitive. Therefore, depressing the brake pedal less strongly results in immediate hard braking. This function helps the driver brake quicker and harder before the imminent collision.

The system operates up to a speed of 85 km/h.

### **⚠ Warning**

Active emergency braking is not designed to apply hard autonomous braking or to automatically avoid a collision. It is designed to reduce the vehicle speed before a collision. It may not react for pedestrians or animals. After a sudden lane change, the system needs a certain time to detect the next preceding vehicle.

The complete attention of the driver is always required while driving. The driver shall always be ready to take action and apply the brakes and steer to avoid collisions. The system is designed to work with all occupants wearing their seat belts.


### **System limitations**

The active emergency braking has limited or no function during rain, snow or heavy dirt, as the camera sensor can be covered by a water film, dust, ice or snow. In case of sensor blockage, clean the sensor cover.

In some cases, the active emergency braking system may provide an automatic braking in situations that seem to be unnecessary, for instance in parking garages, due to traffic signs in a curve or due to vehicles in another lane. This is normal operation, the vehicle does not need service. Firmly apply the accelerator pedal to override the automatic braking.

### **Deactivation**



Active emergency braking can be deactivated by repeatedly pressing the gap switch  to **Off** setting,

↪ 167. If deactivated a message is displayed in the Driver Information Centre.

### **Fault**

In the event of a system service requirement, a message is displayed in the Driver Information Centre.

If the system does not work as it should do, vehicle messages are displayed in the Driver Information Centre.

Vehicle messages ↪ 105.

## **Parking assist**

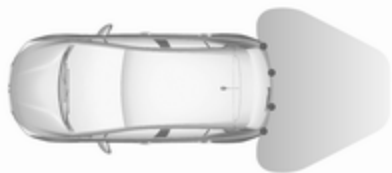
### **Rear parking assist**

### **⚠ Warning**

It is the driver who bears full responsibility for the parking manoeuvre.

Always check the surrounding area while reversing and using the rear parking assist system.

The rear parking assist makes parking easier by measuring the distance between the vehicle and rear obstacles. It informs and warns the driver by giving acoustic signals and display indication.



The system has four ultrasonic parking sensors in the rear bumper.

### Activation

After ignition is switched on, the rear parking assist is activated.

An illuminated LED in the parking assist button **P** with a triangle symbol indicates that the system is ready to operate.

### Indication

The system warns the driver with acoustic signals against potentially hazardous obstacles behind the vehicle in a distance range up to 50 cm while a forward gear is engaged, respectively up to 1.5 metres while reverse gear is engaged.

Depending on which side of the vehicle is closer to an obstacle, you will hear acoustic warning signals in the vehicle on the respective side. 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.

Additionally, the distance to rear obstacles is displayed by changing distance lines in the Driver Information Centre ↗ 98.

The distance indication can be inhibited by vehicle messages with a higher priority. After dismissing the message distance indication appears again.

### Deactivation



Press parking assist button **P** with a triangle symbol to deactivate, the LED in the button extinguishes.

### Fault

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, the LED in the button flashes for three seconds and then extinguishes. A message is indicated in the Driver Information Centre.

## Front-rear parking assist

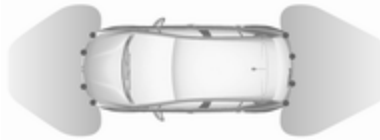
### ⚠ Warning

The driver bears full responsibility for the parking manoeuvre.

Always check the surrounding area when driving backwards or forwards while using parking assist system.

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 acoustic signals and display indication.

It uses two different acoustic warning signals for the front and rear monitoring areas, each with a different tone frequency.



The system has four ultrasonic parking sensors each in the rear and front bumper.

### Activation

The system is activated automatically at a speed up to 11 km/h.



An illuminated LED in the parking assist button **P**▲ indicates that the system is ready to operate.

If **P**▲ is switched off within an ignition cycle, the front parking assist is deactivated. If vehicle speed has exceeded 25 km/h beforehand, parking assist will be reactivated when speed drops below 11 km/h.

When the system is deactivated, the LED in the button extinguishes and **Park Assist Off** pops-up in the Driver Information Centre.

**Indication**

The system warns the driver with acoustic signals against potentially hazardous obstacles in front of the vehicle in a distance range up to 80 cm and against potentially hazardous obstacles behind the vehicle in a distance range up to 50 cm while a forward gear is engaged, respectively up to 1.5 m while reverse gear is engaged.

Depending on which side of the vehicle is closer to an obstacle, you will hear acoustic warning signals in the vehicle on the respective side. 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.

Additionally, the distance to rear and front obstacles is displayed by changing distance lines in the Driver Information Centre ↪ 98 or, depending on the version, on the Info-Display ↪ 103.



The distance indication can be inhibited by vehicle messages with a higher priority. After dismissing the message distance indication appears again.

**Deactivation**

The system is deactivated automatically when vehicle speed exceeds 11 km/h.

Manual deactivation is also possible by pressing the parking assist button **P** with a triangle symbol.

When the system is deactivated manually, the LED in the button extinguishes and **Park Assist Off** pops-up in the Driver Information Centre.

After a manual deactivation, the front-rear parking assist is activated again if **P** with a triangle symbol is pressed or if reverse gear is engaged.

**Fault**

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, a message pops-up in the Driver Information Centre.

Vehicle messages ↪ 105.



## Advanced parking assist

### ⚠ Warning

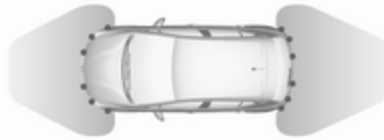
The driver bears full responsibility for accepting the parking slot suggested by the system and the parking manoeuvre.

Always check the surrounding area in all directions when using the advanced parking assist.

The advanced parking assist measures a suitable parking slot while passing, calculates the trajectory and automatically steers the vehicle into a parallel or perpendicular parking slot.

Instructions are given in the Driver Information Centre ↗ 98 or, depending on the version, on the Info-Display ↗ 103, supported by acoustic signals.

The driver must control acceleration, braking and gear shifting, while steering is done automatically.



Advanced parking assist is always combined with front-rear parking assist. Both systems use the same sensors in the front and rear bumper.

The system has six ultrasonic parking sensors each in both the rear and front bumper.

### Activation

Advanced parking assist can only be activated when driving forwards.



When searching for a parking slot, the system is ready to operate with a short press of P+P.

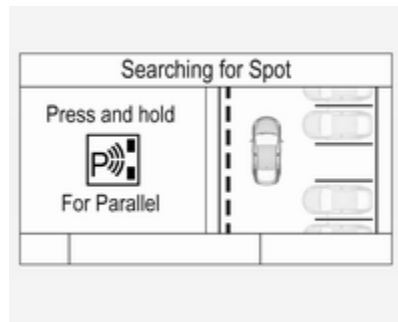
The system recognises and memorises 10 metres for parallel parking slots or six metres for perpendicular parking slots in the parking assist mode.

The system can only be activated at a speed up to 30 km/h and the system searches for a parking slot at a speed up to 30 km/h.

The maximum allowed parallel distance between the vehicle and a row of parked cars is 1.8 metres for parallel parking and 2.5 metres for perpendicular parking.

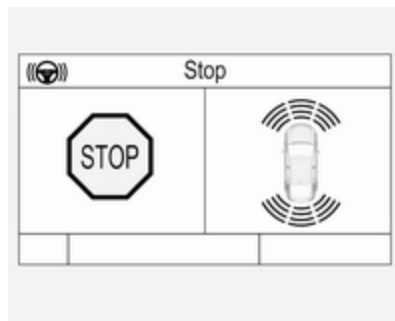
### Functionality

Parking slot searching mode, indication in the Driver Information Centre



Select parallel or perpendicular parking slot in Driver Information Centre by long press on .

The system is configured to detect parking slots by default on the passenger side. To detect parking slots on the driver side, switch on turn signal indicator on the driver side.



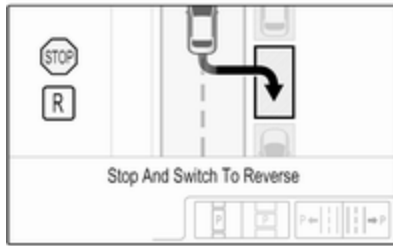
When a slot is detected, a visual feedback in the Driver Information Centre and an acoustic signal is given.

### Indication in the Colour-Info-Display



Select parallel or perpendicular parking slot by tapping the respective icon on the display.

Select parking side by tapping the respective icon on the display.



When a slot is detected, a visual feedback on the Colour-Info-Display and an acoustic signal is given.

If the driver does not stop the vehicle after a parking slot is proposed, the system starts to search for another suitable parking slot.

### Park guiding mode

The parking slot suggestion of the system is accepted when the vehicle is stopped by the driver within 10 metres for parallel parking slots or six metres for perpendicular parking slots after the **Stop** message is given. The system calculates the optimal path into the parking slot.

A brief vibration in the steering wheel after engaging reverse gear indicates that the steering is controlled by the system. Then the vehicle is steered into the slot automatically by giving the driver detailed instructions for braking, accelerating and gear shifting. The driver must keep hands away from the steering wheel.

Always pay attention to the sound of the front-rear parking assist.

Continuous sound indicates that the distance to an obstacle is less than approx. 30 cm.

If, for any reason, the driver must take over control of the steering, hold the steering wheel only at the outer edge. Automatic steering is cancelled in this event.

### Display indication

The instructions on the display show:

- General hints and warning messages.
- A hint when driving faster than 30 km/h during parking slot searching mode.
- The demand to stop the vehicle, when a parking slot is detected.


- The direction of driving during the parking manoeuvre.
- The demand to shift into reverse or first gear.
- The demand to accelerate or brake.
- For some of the instructions a progress bar is shown in the Driver Information Centre.
- The successful completion of the parking manoeuvre indicated by a pop-up symbol and a chime.
- The cancelling of a parking manoeuvre.

### Display priorities

Advanced parking assist indication in the Driver Information Centre can be inhibited by vehicle messages with a higher priority. After approving the message by pressing **SET/CLR** on the turn signal lever or **✓** on the steering wheel, advanced parking assist instructions appear again and the parking manoeuvre can be continued.

**Deactivation**

The system is deactivated by:


- a short press of 
- parking manoeuvre successfully ended
- driving faster than 30 km/h during parking slot search
- driving faster than 8 km/h during parking guidance
- driver interference on steering wheel detected
- exceeding number of maximum gear changes: eight cycles when parallel parking or five cycles when perpendicular parking
- switching off the ignition

Deactivation by the driver or by the system during manoeuvring will be indicated by **Parking Deactivated** on the display. Additionally, an acoustic signal sounds.

**Fault**

A message appears when:

- There is a fault in the system.
- The driver did not successfully complete the parking manoeuvre.
- The system is not operational.
- Any of the deactivation reasons described above apply.

If an object is detected during parking instructions, **Stop** is indicated on the display. Removing the object will resume the parking manoeuvre. If the object is not removed, the system will be deactivated. A long press of  will activate the system and search for a new parking slot.

**Basic notes on parking assist systems****⚠ 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**

Performance of the system can be reduced when sensors are covered, e.g. by ice or snow.

Performance of the parking assist system can be reduced due to heavy loading.

Special conditions apply if there are taller vehicles in the vicinity (e.g. off-road vehicles, mini vans, vans). Object identification and correct 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.

**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.

Advanced parking assist system may not respond to changes in the available parking space after initiating a parking manoeuvre. The system may recognize an entry, a gateway, a courtyard or even a crossing as a parking slot. After selecting reverse gear the system

will start a parking manoeuvre. Take care regarding the availability of the suggested parking slot.

Surface irregularities, e.g. on construction zones, are not detected by the system. The driver accepts responsibility.

**Note**

After production, the system requires a calibration. For optimal parking guidance, a driving distance of at least 10 km, including a number of bends, is required.

**Side blind spot alert**

The Side blind spot alert system detects and reports objects on either side of the vehicle, within a specified "blind spot" zone. The system alerts visually 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**

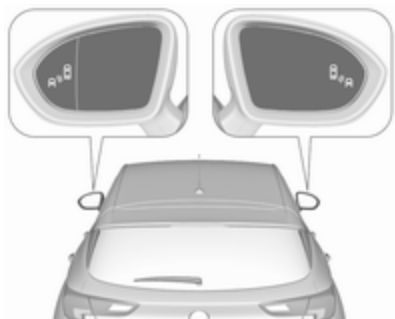
Side blind spot alert does not replace driver vision.

The system does not detect:

- vehicles outside the side blind zones which may be rapidly approaching
- pedestrians, cyclists or animals

Before changing a lane, always check all mirrors, look over the shoulder and use the turn signal.

When the system detects a vehicle in the side blind zone while driving forward, either while passing a vehicle or being passed, an yellow warning symbol  will illuminate in the relevant exterior mirror. If the driver then activates the turn signal, the warning symbol  starts flashing yellow as a warning not to change lanes.



Side blind spot alert is active from speeds of 10 km/h up to 140 km/h. Driving faster than 140 km/h deactivates the system, indicated by low lighting warning symbols  $\text{R}^{\text{B}}$  in both exterior mirrors and by a message in the Driver Information Centre. Reducing the speed again will extinguish the warning symbols. If a vehicle is then detected in the blind zone, the warning symbols  $\text{R}^{\text{B}}$  will illuminate as normal on the relevant side.

When the vehicle is started, both exterior mirror displays will briefly come on to indicate that the system is operating.

The system can be activated or deactivated in the Info-Display, vehicle personalisation  $\rightarrow$  107.

Deactivation is indicated by a message in the Driver Information Centre.

### Detection zones

The detection zones start at the rear bumper and extend approx. three metres rearwards and to the sides. The height of the zone is approx. between half a metre and two metres off the ground.

Side blind spot alert is designed to ignore stationary objects, e.g. guardrails, posts, curbs, walls and beams. Parked vehicles or oncoming vehicles are not detected.

### Fault

Occasional missed alerts can occur under normal circumstances and will increase in wet conditions.

Side blind spot alert does not operate when the left or right corners of the rear bumper are covered with mud,

dirt, snow, ice, slush, or in heavy rainstorms. Cleaning instructions  $\rightarrow$  237.

In the event of a fault in the system or if the system does not work due to temporary conditions, the symbols in the mirrors will be permanently illuminated and a message is displayed in the Driver Information Centre. Seek the assistance of a workshop.

### Rear view camera

The rear view camera assists the driver when reversing by displaying a view of the area behind the vehicle.

The view of the camera is displayed in the Colour-Info-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 advanced parking assist sensors,

e.g. below the bumper or underneath the vehicle, are not displayed.

Do not reverse the vehicle by only looking at the Info-Display and check the surrounding area behind and around the vehicle before reversing.

### Activation

Rear view camera is automatically activated when reverse gear is engaged.

### Functionality



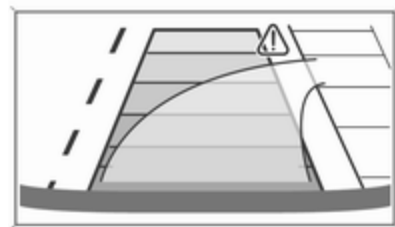
The camera is mounted between the number plate lights and has a viewing angle of 130°.



The area displayed by the camera is limited. The distance of the image that appears on the display differs from the actual distance.

### Guiding lines

Dynamic guiding lines are horizontal lines in one metre intervals projected on the picture to define the distance to shown objects.



Trajectory lane of the vehicle is shown in accordance with the steering angle.

### Warning symbols

Warning symbols are indicated as triangles  $\triangle$  on the picture, which show obstacles detected by the rear sensors of the advanced parking assist.

Additionally  $\triangle$  appears on the top line of the Info-Display with the warning to check the vehicle surrounding.

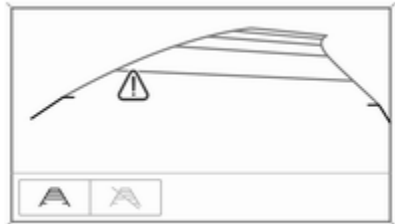
### Display settings

Brightness and contrast can be set by tapping the touch screen display when rear view camera is active.

### Deactivation

The camera is switched off when a certain forward speed is exceeded or if reverse gear is not engaged for approx. 15 seconds. Rear view camera can be manually deactivated in the vehicle personalisation menu in the Colour-Info-Display. Select the relevant setting in **Settings**, **Vehicle**.

### Deactivation of guiding lines and warning symbols




7" Colour-Info-Display: Activation or deactivation of the visual guiding lines and the warning symbols can be changed by touch buttons in the lower zone of the display.

8" Colour-Info-Display: Activation or deactivation of the visual guiding lines and the warning symbols can be changed in the Settings menu in the Info-Display. Select the relevant setting in **Settings**, **Vehicle**.

Info-Display ⇨ 103.

Vehicle personalisation ⇨ 107.

### Fault

Fault messages are displayed with a  on the top line of the Info-Display.

The rear view camera may not operate properly when:

- The surrounding is dark.
- The sun or the beam of headlights is shining directly into the camera lens.
- Ice, snow, mud, or anything else covers the camera lens. Clean the lens, rinse it with water, and wipe it with a soft cloth.

- The vehicle is towing a trailer.
- The vehicle had a rear end accident.
- There are extreme temperature changes.

## Traffic sign assistant

### Functionality

Traffic sign assistant detects designated traffic signs via a front camera and displays them in the Driver Information Centre.

If the vehicle is equipped with an embedded navigation system, traffic signs from data maps may be included additionally.





Traffic signs, which will be detected, are:

#### Limit and no passing signs

- speed limit
- no passing
- end of speed limit
- end of no passing

#### Road signs

Beginning and end of:

- city regions (country specific)
- motorways
- A-roads
- play streets

#### Add on signs

- additional hints to traffic signs
- restriction of trailer towing
- tractor constraints
- wet warning
- ice warning
- time constraints
- distance constraints
- direction arrows

Speed limit signs and no passing signs are displayed in the Driver Information Centre until the next speed limit sign or end of speed limit is detected or up to a defined sign timeout.



Indication of multiple signs on the display is possible.



An exclamation mark in a frame indicates that there is an additional sign detected which cannot be clearly identified by the system.



The system operates without loss of performance up to a speed of 200 km/h depending on the lighting conditions. At night the system is active up to a speed of 160 km/h.

#### Display indication




Information about the currently valid traffic signs is available on the designated traffic sign assistant page in the Driver Information Centre.

Additionally, the currently valid speed limit is displayed permanently in the lower line of the Driver Information Centre. In case a speed limit with add-on is available, a + symbol is displayed in this area.



On Midlevel display, choose **Info** Menu  via **MENU** and select traffic sign assistant page with the adjuster wheel on the turn signal lever .



On Uplevel display, choose **Info** Menu via right steering wheel buttons and press  or  to select traffic sign assistant page .

When another page on the Driver Information Centre menu was selected and then traffic sign assistant page is chosen again, the last recognised traffic sign will be displayed.

### Alert function

The alert function can be activated or deactivated in the setting menu of the traffic sign assistant page.




Once activated and when the traffic sign detection page is currently not displayed, newly detected speed limit and no passing signs are displayed as popup alerts in the Driver Information Centre.

On Midlevel Display, when traffic sign assistant page is displayed, press **SET/CLR** on the turn signal lever.



Select **Alerts ON** or **Alerts OFF** by turning the adjuster wheel and press **SET/CLR**.

On Uplevel Display, when traffic sign assistant page is displayed, press  on the steering wheel controls.



Activate alerts by setting , deactivate alerts by setting  via button **✓**.

Pop-up alert is displayed for approx. eight seconds in the Driver Information Centre.

### System reset

The content of the traffic sign display can be cleared in the setting menu of the traffic sign assistant page by selecting **Reset** and confirm by pressing **SET/CLR** on the turn signal lever or **✓** on the steering wheel controls.

Alternatively, **SET/CLR** or **✓** can be pressed for three seconds to clear the content of the page.

Upon successful reset, a chime will sound and the following “Default Sign” is indicated until the next traffic sign is detected or provided by map data of the navigation system.



In some cases, traffic sign assistant is cleared up automatically by the system.

### Clearing of traffic signs

There are different scenarios that lead to clearing the currently displayed traffic signs. After clearing, the “Default Sign” or a sign from navigation map data is displayed in the Driver Information Centre.

Reasons for signs being cleared:

- A predefined distance was driven or time has elapsed (differs for each sign type)
- Vehicle drives through a turn
- If no navigation map data is available and speed becomes slower than 52 km/h (city entry detection)
- If navigation map data is available and a city entry / exit was detected due to map data change

### Traffic sign detection in conjunction with navigation system

If the vehicle is equipped with a navigation system, the currently displayed sign can either originate from optical sign detection or from the map data.

If the currently displayed sign originates from map data and the map information changes, a new sign will be displayed. This might lead to

detection of a new sign although no sign on the road might have been passed.

### **Fault**

Traffic sign assistant may not operate correctly if:

- The area of the windscreen, where the front camera is located, is not clean or affected by foreign items, e.g. stickers.
- Traffic signs are completely or partially covered or difficult to discern.
- There are adverse environmental conditions, e.g. heavy rain, snow, direct sunlight or shadows.
- Traffic signs are incorrectly mounted or damaged.
- Traffic signs do not comply with the Vienna Convention on traffic signs (Wiener Übereinkommen über Straßenverkehrszeichen).

### **Caution**

The system is intended to help the driver within a defined speed range to discern certain traffic signs. Do not ignore traffic signs which are not displayed by the system.

The system does not discern any other than the conventional traffic signs that might give or end a speed limit.

Do not let this special feature tempt you into taking risks when driving.

Always adapt speed to the road conditions.

The driver assistance systems do not relieve the driver from full responsibility for vehicle operation.

### **Lane keep assist**

Lane keep assist helps to avoid crashes due to unintentional lane departures. The front camera observes the lane markings. If the vehicle approaches a lane marking,

the steering wheel is gently turned to position the vehicle back into the lane. Override the system by turning the steering wheel.

Crossing a lane marking significantly without overriding lane keep assist starts a visual and acoustic warning.

Unintended lane departure is assumed

- without using turn signal
- using the turn signal in the opposite direction of the lane departure
- without braking
- without acceleration
- without active steering.

### **Note**


The system is switched off during detection of ambiguous lane markings, e.g. in construction areas.

### **Note**


The system may be switched off, if it detects lanes, which are too narrow, too wide or too much curved.

## Activation





The lane keep assist is activated by pressing . The illuminated LED in the button indicates that the system is switched on.



When the control indicator  in the instrument cluster illuminates green, the system is ready to assist.

The system is operable at vehicle speeds between 60 km/h and 180 km/h and if lane markings are available.

The system gently turns the steering wheel and the control indicator  changes to yellow, if the vehicle approaches a detected lane marking without using the turn signal in that direction.


The system alerts by flashing  together with three chimes, from the respective direction, if the lane is departed significantly.

The system can not operate when no lane marking is detected.

If the system only detects lane markings on one side of the road, it will only assist for this side.

Lane keep assist detects hands-off driving. In this case a message in the Driver Information Centre pops up and a chime sounds as long as lane keep assist detects hands-off driving.

## Deactivation

The system is deactivated by pressing , the LED in the button extinguishes.

## Fault

The system performance may be affected by:

- Windscreen not clean or affected by foreign items, e.g. stickers
- Close vehicles ahead
- Banked roads
- Winding or hilly roads
- Road edges
- Roads with poor lane markings
- Sudden lighting changes
- Adverse environmental conditions like heavy rain or snow
- Vehicle modifications, e.g. tyres.

Switch off the system, if the system is faulted 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.

Lane keep assist does not continuously steer the vehicle.

The system may not keep the vehicle in the lane or give an alert, even if a lane marking is detected.

Lane keep assist may not provide enough steering to avoid a lane departure.

The system may not detect hands-off 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 while towing a trailer or on slippery roads could cause loss of control of the vehicle and a crash. Switch the system off.

**Fuel****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 ⇨ 248.

**Caution**

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

**Caution**

Use of fuel that does not comply to EN 228 or E DIN 51626-1 or equivalent can lead to deposits or engine damage.

**Caution**

Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

**Fuel for diesel engines**

Only use diesel fuel that complies with EN 590.

In countries outside the European Union use Euro-Diesel fuel with a sulphur concentration below 50 ppm.

**Caution**

Use of fuel that does not comply to EN 590 or similar can lead to engine powerloss, increased wear or engine damage.

Do not use marine diesel oils, heating oils, Aquazole and similar diesel-water emulsions. Diesel fuels must not be diluted with fuels for petrol engines.

## Refuelling



### **⚠ 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.

### **Caution**

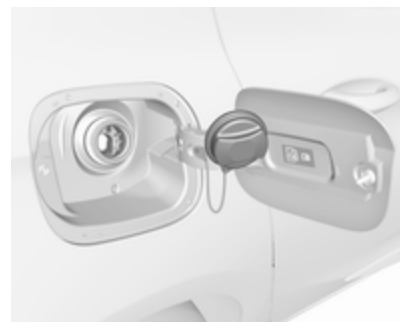
In case of misfuelling, do not switch on ignition.

Fuel filler flap is located at right rear side of the vehicle.



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

To open, turn the cap slowly anticlockwise.



The fuel filler cap can be retained in the bracket on the fuel filler flap.

To refuel, fully insert the pump nozzle and switch it on.

After automatic cut-off, it can be topped up with max. two doses of fuel.

<b>Caution</b>
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Wipe off any overflowing fuel immediately.
--

To close, turn the fuel filler cap clockwise until it clicks.

Close the flap and engage.

### **Fuel filler cap**

Only use genuine fuel filler caps.

Diesel-engined vehicles have special fuel filler caps.

### **Fuel consumption - CO<sub>2</sub>-Emissions**

The fuel consumption (combined) of the model Opel Astra is within a range of 5.7 to 3.4 l/100 km.

The CO<sub>2</sub> emission (combined) is within a range of 131 to 90 g/km.

For the values specific for your vehicle, refer to the EEC Certificate of Conformity provided with your vehicle or other national registration documents.

### **General information**

The official fuel consumption and specific CO<sub>2</sub> emission figures quoted relate to the EU base model with standard equipment.

Fuel consumption data and CO<sub>2</sub> emission data are determined according to regulation R (EC) No. 715/2007 (in the latest applicable version), taking into consideration the vehicle weight in running order, as specified by the regulation.

The figures are provided only for the purpose of comparison between different vehicle variants and must not be taken as a guarantee for the actual fuel consumption of a particular vehicle. Additional equipment may result in slightly higher results than the stated

consumption and CO<sub>2</sub> figures.

Furthermore, fuel consumption is dependent on personal driving style as well as road and traffic conditions.



## Trailer hitch

### General information

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.

The bulb outage detection function for trailer brake light cannot detect a partial bulb outage, e.g. in case of four times five watt bulbs, the function only detects lamp outage when only a single five Watt lamp remains or none remain.

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 when not in use.

### 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.

For trailers with low driving stability and caravan trailers with a permitted gross vehicle weight of more than 1300 kg the use of a stabiliser is strongly recommended when driving above 80 km/h.

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 tyre pressure to the value specified for full load ↗ 254.

## Trailer towing

### 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 max. 12%.

The permitted trailer load applies up to the specified incline and up to an altitude of 1000 metres above 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 metres of additional 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  
↪ 243.

### 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 (75 kg) is specified on the towing equipment identification plate and in the vehicle documents. Always aim for the maximum load, especially in the case of heavy trailers. The vertical coupling load should never fall below 25 kg.

### Rear axle load

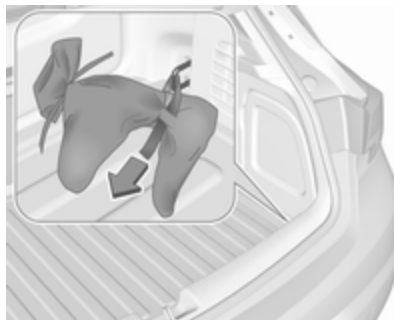
When the trailer is coupled and the towing vehicle fully loaded, the permissible rear axle load (see identification plate or vehicle documents) may be exceeded by 40 kg. If the permissible rear axle load is exceeded, a maximum speed of 100 km/h applies.

## Towing equipment

### Caution

When operating without a trailer, remove the coupling ball bar.

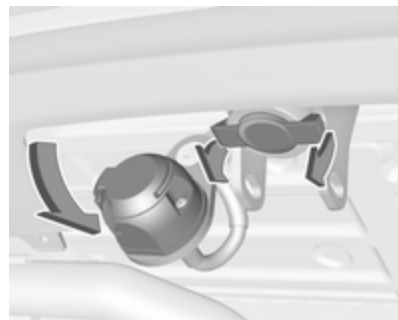
### Stowage of coupling ball bar



The bag with the coupling ball bar is stowed in the rear stowage compartment on the floor.

Place the strap through the rear lashing eye, wrap around twice and tighten the strap to secure the bag.


## Fitting the coupling ball bar




Disengage and fold down the socket. Remove the sealing plug from the opening for the coupling ball bar and stow it.

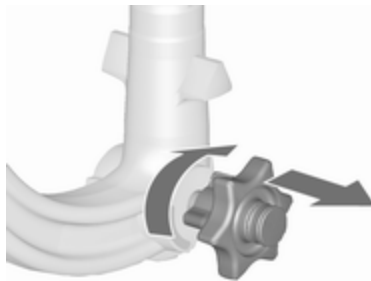
### Checking the tensioning of the coupling ball bar



- Red marking on rotary knob must point towards green marking on coupling ball bar.
- The gap between the rotary knob and the coupling ball bar must be approx. 6 mm.
- The key must be in position .

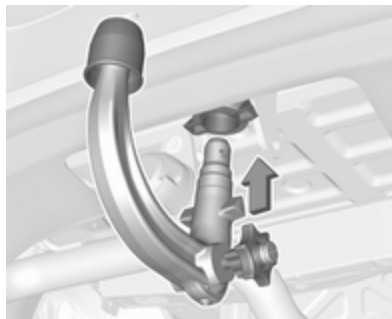
Otherwise, the coupling ball bar must be tensioned before being inserted:

- Unlock coupling ball bar by turning key to position .



- Pull out rotary knob and turn clockwise as far as it will go.

### Inserting the coupling ball bar



Insert the tensioned coupling ball bar in the opening and push firmly upwards until it audibly engages.

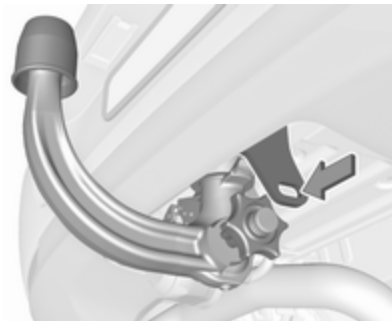
The rotary handle snaps back into its original position resting against the coupling ball bar without a gap.

#### Warning

Do not touch rotary handle during insertion.

Lock the coupling ball bar by turning the key to position . Remove the key and close the protective flap.

### Eye for break-away stopping cable



Attach breakaway stopping cable to eye.

**Check that the coupling ball bar is correctly installed**


- Green marking on rotary knob must point towards green marking on coupling ball bar.
- There must be no gap between the rotary handle and the coupling ball bar.
- The coupling ball bar must be firmly engaged in the opening.
- The coupling ball bar must be locked and the key removed.

**⚠ Warning**

Towing a trailer is permitted only when a coupling ball bar is fitted correctly. If the coupling ball bar does not engage correctly, seek the assistance of a workshop.

**Dismounting the coupling ball bar**



Open the protective flap and turn the key to position  to unlock the coupling ball bar.

Pull out rotary handle and turn clockwise as far as it will go. Pull out coupling ball bar downwards.

Insert sealing plug in opening. Fold away socket.

**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.

Trailer stability assist is a function of the Electronic Stability Control ↗ 161.

## Vehicle care

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## General Information

### Accessories and vehicle modifications

We recommend the use of genuine parts and accessories and factory approved parts specific for your vehicle type. We cannot assess or guarantee reliability of other products - even if they have a regulatory or otherwise granted approval.

Do not make any modifications to the electrical system, e.g. changes of electronic control units (chip tuning).

#### Caution

When transporting the vehicle on a train or on a recovery vehicle, the mud flaps might be damaged.

## Vehicle storage

### Storage for a long period of time

If the vehicle is to be stored for several months:

- Wash and wax 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 tyre 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.
- Disconnect the clamp from the negative terminal of the vehicle battery. Beware that all systems are not functional, e.g. anti-theft alarm system.

### Putting back into operation

When the vehicle is to be put back into operation:

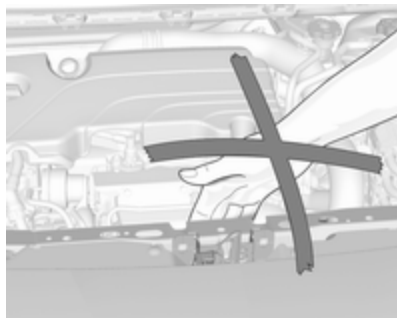
- Connect the clamp to the negative terminal of the vehicle battery. Activate the electronics of the power windows.
- Check tyre pressure.
- Fill up the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.
- Fit the number plate if necessary.

## End-of-life vehicle recovery

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.

## Vehicle checks

### Performing work



#### **⚠ Warning**

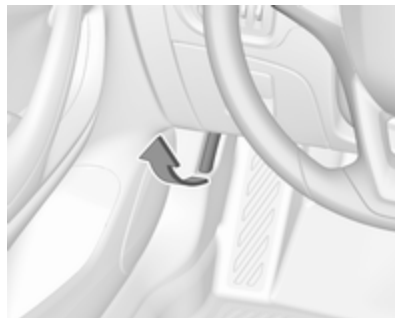
Only perform engine compartment checks when the ignition is off.  
The cooling fan may start operating even if the ignition is off.

#### **⚠ Danger**

The ignition system uses extremely high voltage. Do not touch.

### Bonnet

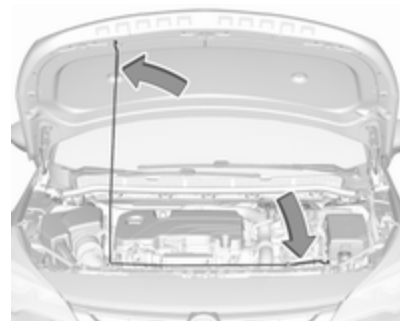
#### Opening



Pull the release lever and return it to its original position.



Move the safety catch sideways to the left vehicle side and open the bonnet.



Secure the bonnet support.

If the bonnet is opened during an Autostop, the engine will be restarted automatically for safety reasons.

### Closing

Before closing the bonnet, press the support into the holder.

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.

### Engine oil

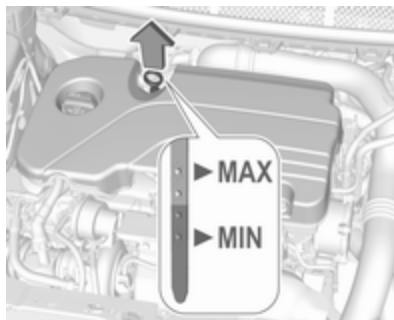
Check the engine oil level manually on a regular basis to prevent damage to the engine. Ensure that the correct specification of oil is used. Recommended fluids and lubricants ⇨ 241.

Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least five minutes.

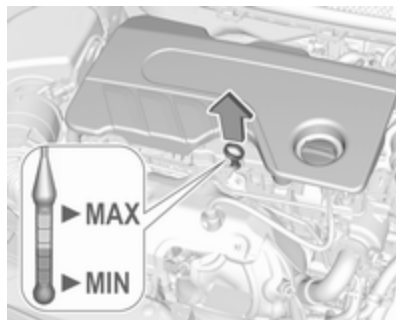
Pull out the dipstick, wipe it clean, insert it to the stop on the handle, pull out and read the engine oil level.

Insert dipstick to the stop on the handle and make half a turn.

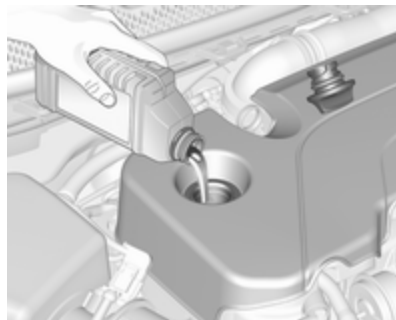
Different dipsticks are used depending on engine variant.



When the engine oil level has dropped to the **MIN** mark, top up engine oil.



We recommend the use of the same grade of engine oil that was used at last change.





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

### Caution

Overfilled engine oil must be drained or suctioned out.

Capacities ⇨ 253.

Fit the cap on straight and tighten it.

## Engine coolant

The coolant provides freeze protection down to approx.  $-28^{\circ}\text{C}$ . In cold regions with very low temperatures, the factory filled coolant provides frost protection down to approx.  $-37^{\circ}\text{C}$ .

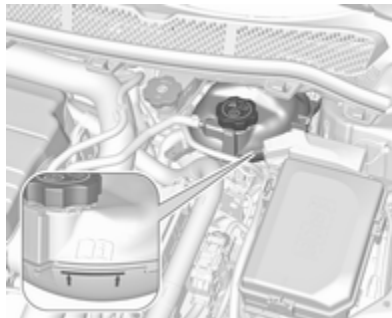
### Caution

Only use approved antifreeze.

## Coolant level

### Caution

Too low a coolant level can cause engine damage.



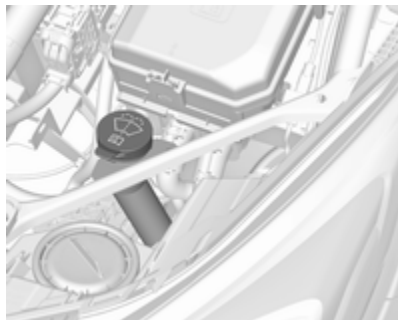
If the cooling system is cold, the coolant level should be above the filling line mark. Top up if the level is low.

### ⚠ 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.

## Brakes

In the event of minimum thickness of the brake lining, a squealing noise sounds during braking.

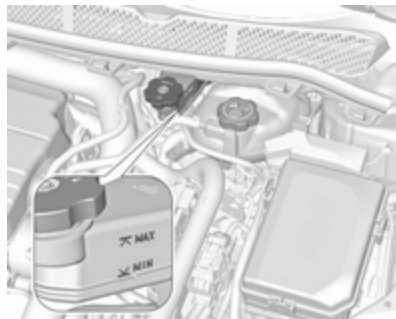
Continued driving is possible but have the brake lining replaced as soon as possible.

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.

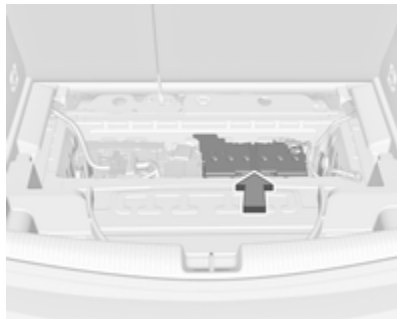


The brake fluid level must be between the **MIN** and **MAX** marks.

If fluid level is below **MIN** seek the assistance of a workshop.

Brake and clutch fluid ⇨ 241.

## Vehicle battery



The vehicle battery is located in the load compartment under a cover behind the rear seats. There are connecting points for jump starting in the engine compartment.

Jump starting ⇨ 233.

The vehicle battery is maintenance-free provided that the driving profile allows sufficient charging of the battery. Short-distance-driving and frequent engine starts can discharge the battery. Avoid the use of unnecessary electrical consumers.



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

Laying up the vehicle for more than four weeks can lead to battery discharge. Disconnect the clamp from the negative terminal of the vehicle battery.

Ensure the ignition is switched off before connecting or disconnecting the vehicle battery.

Vehicle battery discharge protection ⇨ 128.

### Replacing the vehicle battery

#### Note

Any deviation from the instructions given in this section may lead to temporary deactivation of the stop-start system.

When the vehicle battery is being replaced, please 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.

In vehicles with an AGM (Absorbent Glass Mat) battery, make sure to have the battery replaced with another AGM battery.



An AGM battery can be identified by the label on the battery. We recommend the use of an original Opel vehicle battery.

**Note**

Using an AGM vehicle battery different from the original Opel vehicle battery may result in a lower performance.

We recommend that you have the vehicle battery replaced by a workshop.

Stop-start system ⇨ 145.

**Charging the vehicle battery**

**⚠ Warning**

On vehicles with stop-start system, ensure that the charging potential does not exceed 14.6 volts when using a battery charger. Otherwise the vehicle battery might be damaged.

Jump starting ⇨ 233.

**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.

**Diesel fuel system bleeding**

If the tank has been run dry, the diesel fuel system must be bled. Switch on the ignition three times for 15 seconds at a time. Then crank the engine for a maximum of 40 seconds. Repeat this process after no less than five seconds. If the engine fails to start, seek the assistance of a workshop.

## Wiper blade replacement

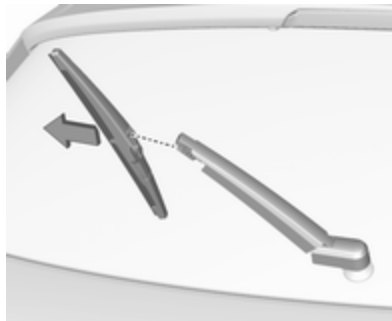


Lift the wiper arm until it stays in the raised position, press button to disengage the wiper blade and remove.

Attach the wiper blade slightly angled to the wiper arm and push until it engages.

Lower wiper arm carefully.

## Wiper blade on the 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.

## Bulb replacement

Switch off the ignition and switch off the relevant switch or close the doors. Only hold a new bulb at the base. Do not touch the bulb glass with bare hands.

Use only the same bulb type for replacement.

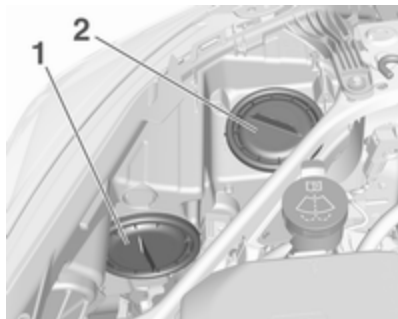
Replace headlight bulbs from within the engine compartment.

### Bulb check

After a bulb replacement switch on the ignition, operate and check the lights.

## Halogen headlights

Halogen headlights with separate bulbs for low beam and high beam.



Low beam (1) outer bulb.  
High beam (2) inner bulb.

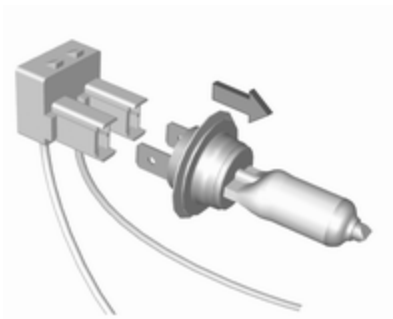
### Low beam (1)



1. Rotate the cap anticlockwise and remove it.

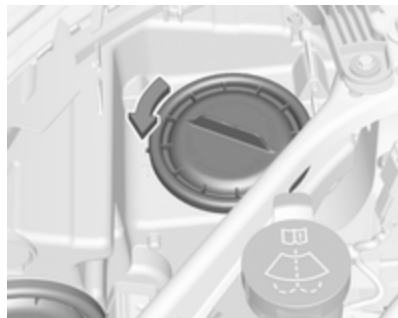


2. Disengage spring clip from retainer by pulling. Withdraw the bulb holder from the reflector.



3. Detach the bulb from the bulb holder and replace the bulb.
4. Insert the bulb holder, engaging the two lugs into the reflector and rotate clockwise to secure.
5. Push spring clip back in place.
6. Fit the cap and rotate clockwise.

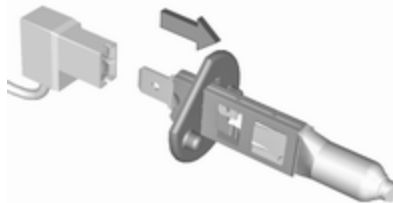
### High beam (2)



1. Rotate the cap anticlockwise and remove it.



2. Disengage spring clip from retainer by moving it forward and to the side. Swivel spring clip downwards.
3. Withdraw the bulb holder from the reflector.



4. Detach the bulb from the bulb holder and replace the bulb.
5. Insert the bulb holder and install spring clip.  
Fit the cap and rotate clockwise.

### Front turn signal light

In case of defective LEDs, have them replaced by a workshop.

### Side light

In case of defective LEDs, have them replaced by a workshop.

### Daytime running light

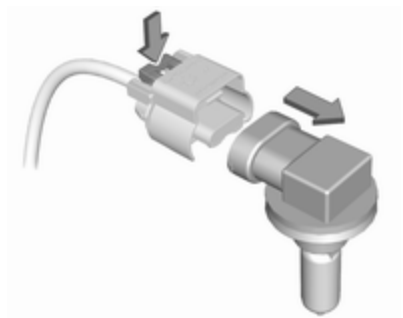
In case of defective LEDs, have them replaced by a workshop.

### Fog lights

The bulbs are accessible from the underside of the vehicle.

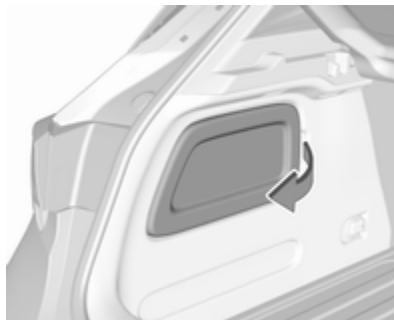


1. Turn the bulb holder anti-clockwise and remove it from the reflector.



2. Disengage the bulb socket from the plug connector by pressing the retaining lug.
3. Remove and replace the bulb socket with bulb and attach the plug connector.
4. Insert the bulb socket into the reflector by turning clockwise and engage.

## Tail lights



1. Release the cover on the respective side and remove it.

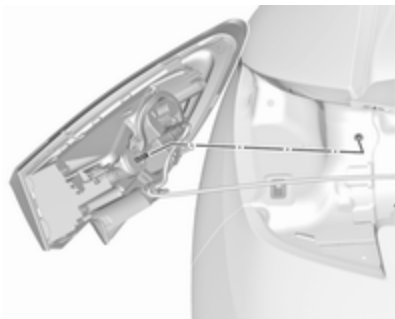


2. Vehicles with tyre repair kit: To replace bulbs on the right side, first unscrew the plastic nut and take out the insert with the sealant bottle.

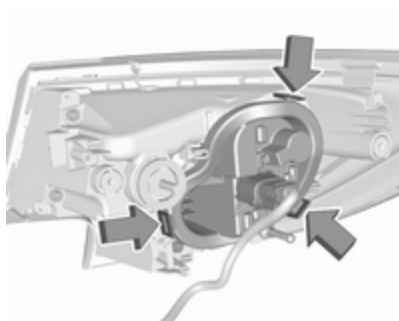


3. Unscrew the plastic securing nut from the inside by hand.

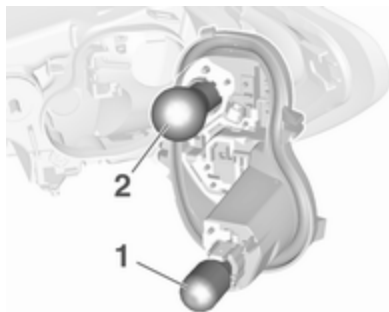




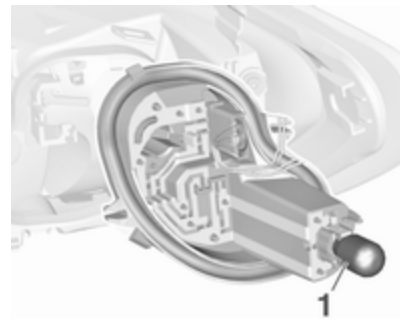
4. Carefully withdraw tail light assembly from recess and remove.
5. Detach the cable from the retainer.



6. Press the three retaining lugs and remove the bulb carrier from the light assembly.



7. Remove and replace the bulbs:  
Turn signal light (1)  
Tail light/brake light (2)



- On version with LED tail lights and LED brake lights, only turn signal light bulb (1) can be removed and replaced.
8. Attach the bulb carrier to the light assembly.
  9. Attach the cable to the retainer.
  10. Attach the light assembly to the vehicle body and tighten the securing nut from the inside of the load compartment. Attach cover.

Depending on the version, tail lights and brake lights are designed as LEDs. In case of failure, have LEDs replaced by a workshop.

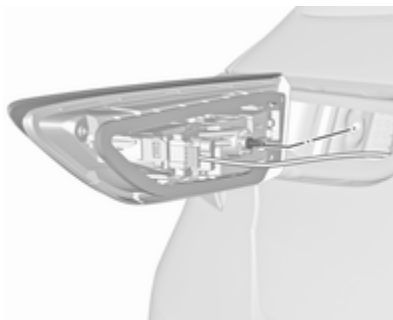
### Light assembly in the tailgate



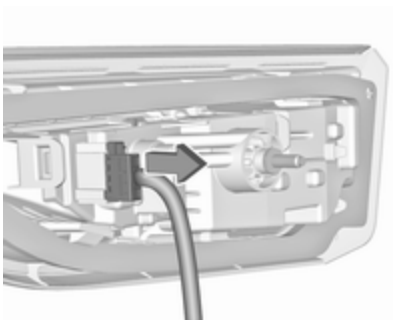
1. Release the cover in the tailgate and remove it.



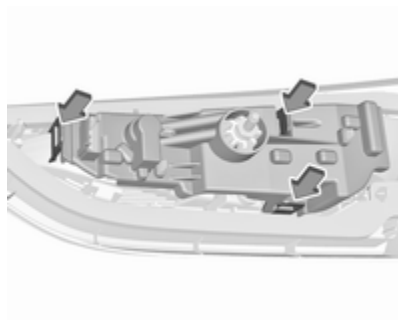
2. Unscrew the plastic securing nut by hand.



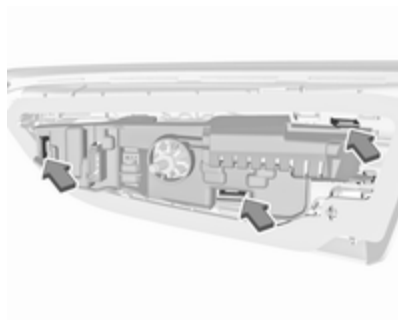
3. Carefully withdraw the light assembly from the recesses and remove.



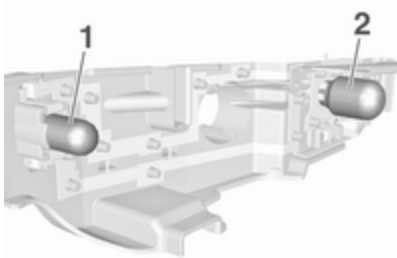
4. Detach the plug from the light assembly.



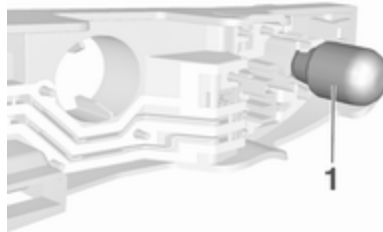
5. Press the three retaining lugs and remove the bulb carrier from the light assembly.



On version with LED tail lights, the position of the retaining lugs is slightly different.



6. Remove and replace the bulb:  
 Tail light (1)  
 Rear fog light (2) (left side)  
 Reverse light (2) (right side)



On version with LED tail lights only reverse light bulb (1) (right side) or rear fog light bulb (1) (left side) can be removed and replaced.

7. Insert the bulb carrier into the tail light assembly. Attach plug to the light assembly. Fit light assembly on the tailgate and tighten the screw from the inside. Attach cover.

Depending on the version, tail lights are designed as LEDs. In case of failure, have LEDs replaced by a workshop.

## Side turn signal lights

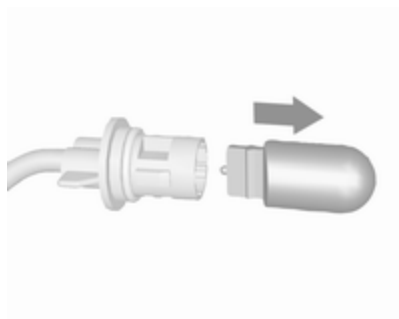
To replace bulb, remove lamp housing:



1. Slide lamp to its left side and remove with its right end.



2. Turn bulb holder anticlockwise and remove from housing.



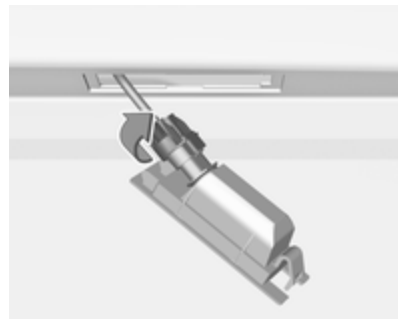
3. Pull bulb from bulb holder and replace it.

4. Insert bulb holder and turn clockwise.
5. Insert left end of the lamp, slide to the left and insert right end.

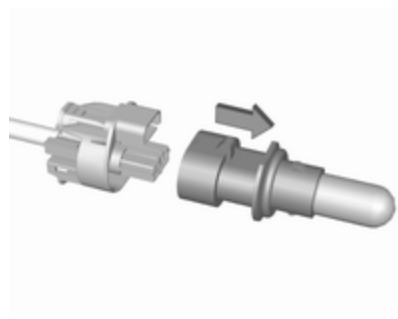
### Number plate light



1. Insert screwdriver in recess of the cover, press to the side and release spring.



2. Remove lamp downwards, taking care not to pull on the cable.
3. Remove bulb holder from lamp housing by turning anticlockwise.



4. Pull bulb from bulb holder and replace it.
5. Insert bulb holder into lamp housing and turn clockwise.
6. Insert lamp into bumper and let engage.

## Interior lights

### Courtesy light, reading lights

Have bulbs replaced by a workshop.

### Load compartment light

Have bulbs replaced by a workshop.

## Instrument panel illumination

Have bulbs replaced by a workshop.

## Electrical system

### Fuses

Data on the replacement fuse must match the data on the defective fuse.

There are three fuse boxes in the vehicle:

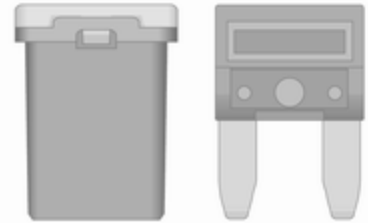
- engine compartment
- instrument panel
- load compartment

Before replacing a fuse, turn off the respective switch and the ignition.

A blown fuse can be recognized by its melted wire. Do not replace the fuse until the cause of the fault has been remedied.

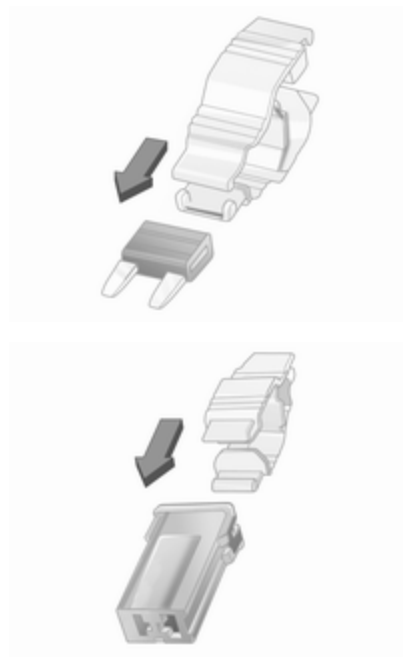
Some functions are protected by several fuses.

Fuses may also be inserted without existence of a function.



### Fuse extractor

A fuse extractor may be located in the fuse box in the engine compartment.

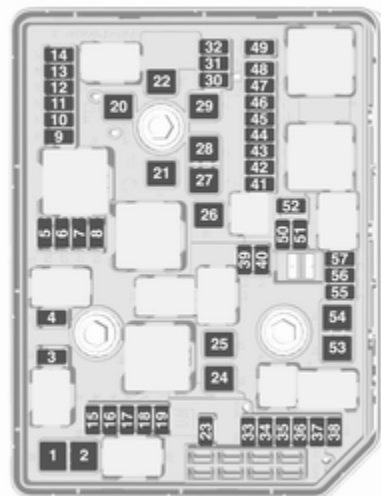


Place the fuse extractor on the various types of fuse from the top or side, and withdraw fuse.

## Engine compartment fuse box



The fuse box is in the front left of the engine compartment.  
Disengage the cover and remove it.



**No. Circuit**

- 1 Starter
- 2 Starter
- 3 Exhaust sensor
- 4 Engine control module
- 5 Engine functions
- 6 Transmission control module
- 7 –
- 8 Engine control module
- 9 Climate control system
- 10 –
- 11 Tailgate locking system
- 12 Seat lumbar massage
- 13 After boil pump
- 14 –
- 15 Exhaust sensor
- 16 Fuel injection
- 17 Fuel injection

**No. Circuit**

- 18 –
- 19 –
- 20 –
- 21 –
- 22 ABS
- 23 Washer system for windscreen and rear window
- 24 –
- 25 Diesel fuel heating
- 26 Transmission control module
- 27 Power tailgate module
- 28 –
- 29 Heated rear window
- 30 –
- 31 –
- 32 DC transformer/LED display/  
Electrical heater/Climate control/  
Glow plug controller/  
Fuel pump

**No. Circuit**

- 33 –
- 34 Horn
- 35 Power outlet load compartment
- 36 Right high beam (Halogen)/  
Right low beam (LED)
- 37 Left high beam (Halogen)
- 38 LED headlight/Automatic headlight range adjustment
- 39 Front fog light
- 40 OnStar
- 41 Water in fuel sensor/Water pump
- 42 Manual headlight range adjustment
- 43 Fuel pump
- 44 Rear view camera/Inside rear view mirror/Trailer module/  
Power connector
- 45 LED headlight left/Automatic headlight range adjustment left

**No. Circuit**

- 46 Instrument cluster
- 47 Steering column lock
- 48 Rear wiper
- 49 Heated mirror
- 50 LED headlight right/Automatic headlight range adjustment right
- 51 Left low beam (LED)
- 52 Engine control module/Transmission control module
- 53 –
- 54 Windscreen wiper
- 55 –
- 56 –
- 57 –

After having changed defective fuses, close the fuse box cover and press until it engages.

If the fuse box cover is not closed correctly, malfunction may occur.

**Instrument panel fuse box**

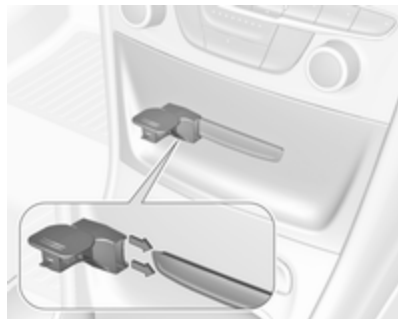
The fuse box is located behind a cover.



Pull the cover and remove.

Vehicles with power connector:

If the fuse cover has a power connector, it must be removed by using an adapter and a screwdriver. The adapter is stowed in the glovebox ↻ 66. The screwdriver is stowed in the load compartment ↻ 218.

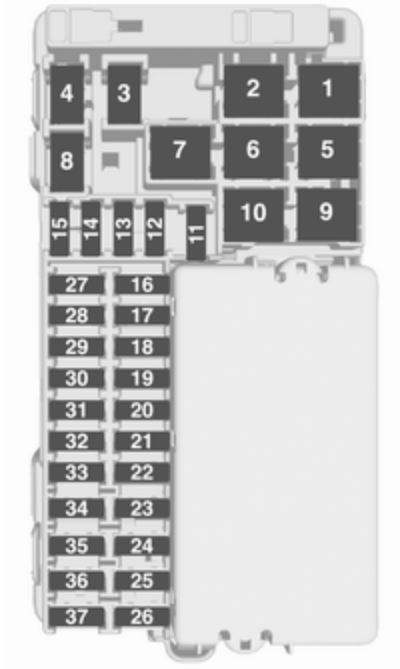


Attach the adapter to the power connector.





Push the screwdriver through the recess in the adapter. Remove the cover by pulling the screwdriver.



**No. Circuit**

- 1 -
- 2 Climate control system, fan
- 3 Power seat driver side
- 4 Cigarette lighter/Power outlet front
- 5 -
- 6 Power window front
- 7 ABS
- 8 Heated steering wheel
- 9 Body control module
- 10 Power window rear
- 11 Sunroof
- 12 Body control module
- 13 Seat heating (only on vehicles without alarm horn)
- 14 Exterior mirror/Rain sensor/Lane keep assist/High beam assist
- 15 Body control module

**No. Circuit**

- 16 Body control module
- 17 Body control module
- 18 Body control module
- 19 Data link connector
- 20 Airbag system
- 21 Climate control system
- 22 Central locking system, tailgate
- 23 Electronic key system
- 24 Power seat memory function
- 25 Illumination switch steering wheel
- 26 Ignition switch/Steering column lock
- 27 Body control module
- 28 USB socket
- 29 -
- 30 Selector lever
- 31 Rear window wiper

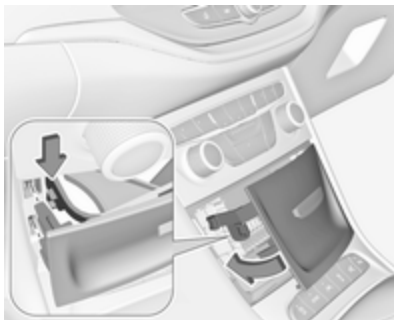
**No. Circuit**

- 32 Transmission control module (only on vehicles with stop-start system)
- 33 Anti-theft alarm system/Alarm horn
- 34 Parking assist/Side blind spot alert/Infotainment system/USB socket
- 35 OnStar
- 36 Info display/Instrument cluster/CD player
- 37 Infotainment system, radio

After having changed defective fuses, close the fuse box cover and press until it engages.

Vehicles with power connector:

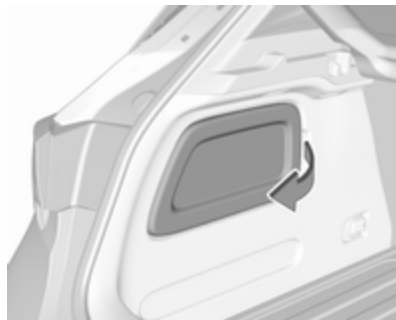
1. Apply the cover on the right side.



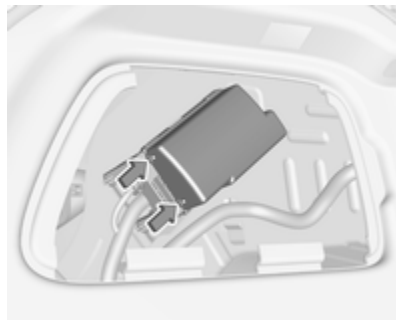
2. Fold the left side of the cover forwards. Take care that the securing clamp is guided as shown in the illustration.

**Load compartment fuse box**

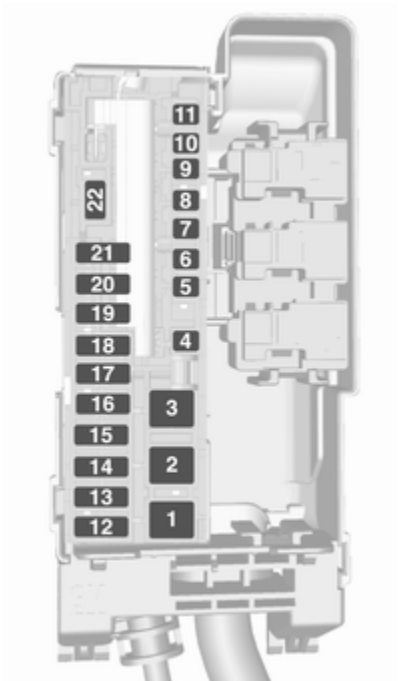
The fuse box is located on the left side of the load compartment behind a cover.



Remove the cover.



Disengage the fuse box cover and remove it.



**No. Circuit**

- 1 -
- 2 -
- 3 Trailer
- 4 Power seat passenger side
- 5 -
- 6 Distance warning module
- 7 -
- 8 -
- 9 Rear seat heating (on vehicles without alarm horn)
- 10 -
- 11 -
- 12 Front seat heating (on vehicles with alarm horn)
- 13 Rear seat heating (on vehicles with alarm horn)
- 14 Heated steering wheel (on vehicles with seat heating and alarm horn)

**No. Circuit**

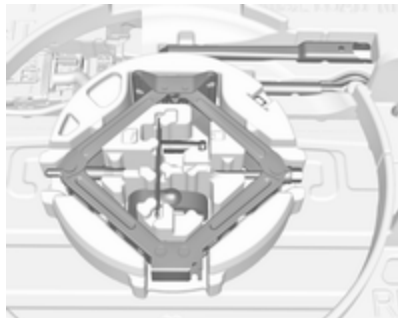
- 15 Seat ventilation
- 16 Trailer outlet
- 17 Trailer outlet
- 18 -
- 19 -
- 20 -
- 21 Electrical seat folding
- 22 -

After having changed defective fuses, close the fuse box cover and press until it engages.

## Vehicle tools

### Tools

#### Vehicle with spare wheel



The jack, the towing eye, a strap for securing a damaged wheel and the tools are located in the tool box below the spare wheel in the load compartment. Spare wheel ↪ 231.

#### Vehicles with tyre repair kit



Some tools and the towing eye are located together with the tyre repair kit in a tool box in the right wall of the load compartment.

Open the cover of the storage compartment.

## Wheels and tyres

### Tyre condition, wheel condition

Drive over edges slowly and at right angles if possible. Driving over sharp edges can cause tyre and wheel damage. Do not trap tyres 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.

### Winter tyres

Winter tyres improve driving safety at temperatures below 7 °C and should therefore be fitted on all wheels.

All tyre sizes are permitted as winter tyres ↪ 254.

In accordance with country-specific regulations, affix the speed sticker in the driver's field of view.

## Tyre designations

E.g. **215/60 R 16 95 H**

**215** : Tyre width, mm

**60** : Cross-section ratio (tyre height to tyre width), %

**R** : Belt type: Radial

**RF** : Type: RunFlat

**16** : Wheel diameter, inches

**95** : Load index e.g. 95 is equivalent to 690 kg

**H** : 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 tyre 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.

Performance ⇨ 250.

## Tyre pressure

Check the pressure of cold tyres at least every 14 days and before any long journey. Do not forget the spare wheel.

This also applies to vehicles with tyre pressure monitoring system.

Unscrew the valve cap.



Tyre pressure ⇨ 254.

The tyre pressure information label on the left door frame indicates the original equipment tyres and the correspondent tyre pressures.

The tyre pressure data refers to cold tyres. It applies to summer and winter tyres.

Always inflate the spare tyre to the pressure specified for full load.

The ECO tyre pressure serves to achieve the smallest amount of fuel consumption possible.

Incorrect tyre pressures will impair safety, vehicle handling, comfort and fuel economy and will increase tyre wear.

Tyre pressures differ depending on various options. For the correct tyre pressure value, follow the procedure below:

1. Identify the engine identifier code.  
Engine data ⇨ 248.
2. Identify the respective tyre.

The tyre pressure tables show all possible tyre combinations ⇨ 254.

For the tyres approved for your vehicle, refer to the EEC Certificate of Conformity provided with your vehicle or other national registration documents.

The driver is responsible for correct adjustment of tyre pressure.

### ⚠ Warning

If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blow-out at high speeds.

If the tyre pressure must be reduced or increased on a vehicle with tyre pressure monitoring system, switch off ignition.

### Temperature dependency

The tyre pressure depends on the temperature of the tyre. During driving, tyre temperature and pressure increase. Tyre pressure values provided on the tyre information label and tyre pressure chart are valid for cold tyres, which means at 20 °C.

The pressure increases by nearly 10 kPa for a 10 °C temperature increase. This must be considered when warm tyres are checked.

The tyre pressure value displayed in the Driver Information Centre shows the real tyre pressure. A cooled down tyre will show a decreased value, which does not indicate an air leak.

### Tyre pressure monitoring system

The tyre pressure monitoring system checks the pressure of all four tyres once a minute when vehicle speed exceeds a certain limit.

### Caution

Tyre pressure monitoring system warns only about low tyre pressure condition and does not replace regular tyre maintenance by the driver.

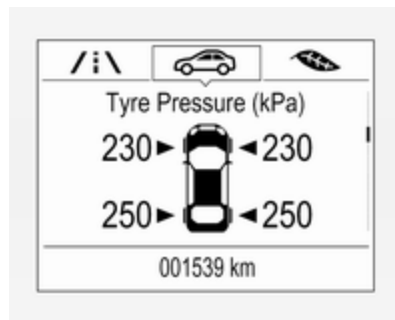
All wheels must be equipped with pressure sensors and the tyres must have the prescribed pressure.


### Note

In countries where the tyre pressure monitoring system is legally required, the use of wheels without pressure sensors will invalidate the vehicle type approval.

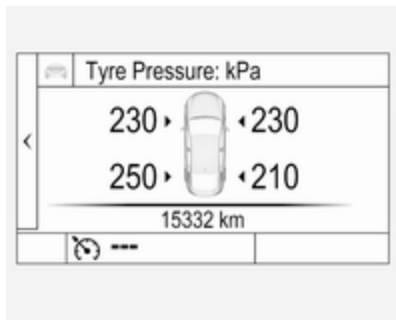
The current tyre pressures can be shown in the Driver Information Centre.

Midlevel display:



Select the **Tyre pressure** page under the **Vehicle Information Menu**  in the Driver Information Centre  98.

Uplevel display:



Select the **Tyre pressure** page under the **Info** Menu in the Driver Information Centre ↪ 98.

System status and pressure warnings are displayed by a message indicating the corresponding tyre in the Driver Information Centre.

The system considers the tyre temperature for the warnings.

Temperature dependency ↪ 219.



A detected low tyre pressure condition is indicated by the control indicator (⚠) ↪ 96.

If (⚠) illuminates, stop as soon as possible and inflate the tyres as recommended ↪ 254.

If (⚠) flashes for 60-90 seconds then illuminates continuously, there is a fault in the system. Consult a workshop.

After inflating, some driving may be required to update the tyre pressure values in the Driver Information Centre. During this time (⚠) may illuminate.

If (⚠) illuminates at lower temperatures and extinguishes after driving, this could be an indicator for approaching a low tyre pressure condition. Check tyre pressure.

Vehicle messages ↪ 105.

If the tyre pressure must be reduced or increased, switch off ignition.

Only mount wheels with pressure sensors, otherwise the tyre pressure will not be displayed and (⚠) illuminates continuously.

A spare wheel or temporary spare wheel is not equipped with pressure sensors. The tyre pressure monitoring system is not operational for these tyres. Control indicator (⚠) illuminates. For the further three tyres, the system remains operational.

The use of commercially-available liquid tyre repair kits can impair the function of the system. Factory-approved repair kits can be used.

Operating electronic devices or being close to facilities using similar wave frequencies could disrupt the tyre pressure monitoring system.

Each time the tyres are replaced, tyre pressure monitoring system sensors must be dismantled and serviced. For the screwed sensor, replace valve core and sealing ring. For the clipped sensor, replace complete valve stem.

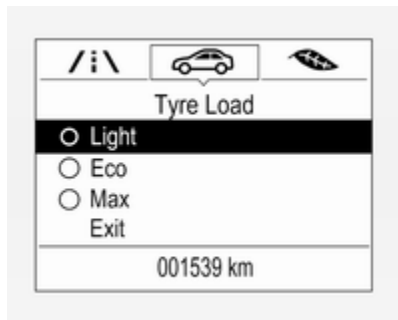
### Vehicle loading status

Adjust tyre pressure to load condition according to the tyre information label or tyre pressure chart ↪ 254, and select the appropriate setting in the

**Tyre load** menu in the Driver Information Centre ↻ 98. This setting is the reference for the tyre pressure warnings.

The **Tyre load** menu only appears if the vehicle is in a standstill and the parking brake is applied. On vehicles with automatic transmission the selector lever has to be in **P**.

Midlevel display:

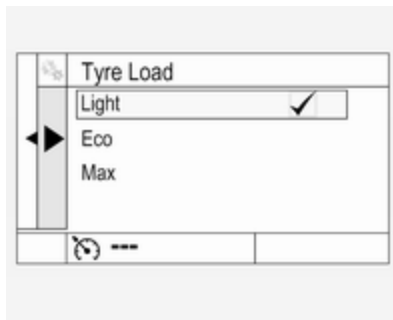


Select the **Tyre load** page under the **Vehicle Information Menu**  in the Driver Information Centre ↻ 98.

Select

- **Light** for comfort pressure up to three people.
- **Eco** for Eco pressure up to three people.
- **Max** for full loading.

Uplevel display:



Select the **Tyre load** page under the **Options** Menu in the Driver Information Centre ↻ 98.

Select

- **Light** for comfort pressure up to three people.
- **Eco** for Eco pressure up to three people.
- **Max** for full loading.

### Tyre pressure sensor matching process

Each tyre pressure sensor has a unique identification code. The identification code must be matched to a new wheel position after rotating the wheels or exchanging the complete wheel set and if one or more tyre pressure sensors were replaced. The tyre pressure sensor matching process should also be performed after replacing a spare wheel with a road wheel containing the tyre pressure sensor.

The malfunction light (⚠) and the warning message or code should go off at the next ignition cycle. The sensors are matched to the wheel positions, using a relearn tool, in the following order: left side front wheel, right side front wheel, right side rear



wheel and left side rear wheel. The turn signal light at the current active position is illuminated until sensor is matched.


Consult a workshop for service or purchase a relearn tool. There are two minutes to match the first wheel position, and five minutes overall to match all four wheel positions. If it takes longer, the matching process stops and must be restarted.

The tyre pressure sensor matching process is:

1. Apply the parking brake.
2. Turn the ignition on.
3. On vehicles with automatic transmission: set the selector lever to **P**.

On vehicles with manual transmission: select neutral.

4. Midlevel display:

Use **MENU** on the turn signal lever to select the **Vehicle Information Menu**  in the Driver Information Centre.

Uplevel display:

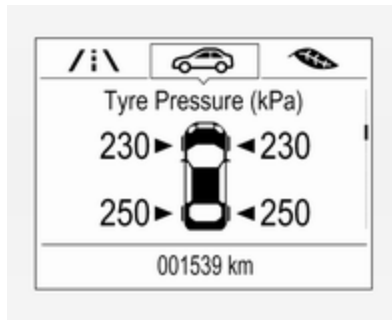
Press **<** on the steering wheel to open main menu page.

Select the **Info** page with **^** or **v**.

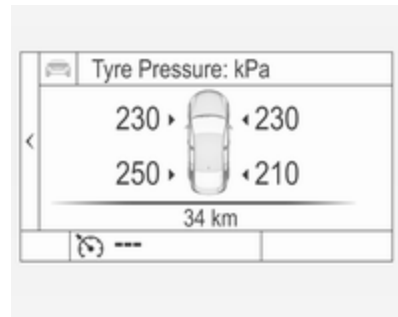
Confirm with **v**.

5. Select the tyre pressure menu.

Midlevel display:



Uplevel display:



6. Midlevel display:

Press **SET/CLR** to begin the sensor matching process. A message requesting acceptance of the process should be displayed.

Press **SET/CLR** again to confirm the selection. The horn sounds twice to indicate that the receiver is in relearn mode.

Uplevel display:

Press **v** to begin the sensor matching process. The horn sounds twice to indicate that the receiver is in relearn mode.

7. Start with the left side front wheel.

8. Place the relearn tool against the tyre sidewall, near the valve stem. Then press the button to activate the tyre pressure sensor. A horn chirp confirms that the sensor identification code has been matched to this wheel position.
9. Proceed to the right side front wheel, and repeat the procedure in Step 8.
10. Proceed to the right side rear wheel, and repeat the procedure in Step 8.
11. Proceed to the left side rear wheel, and repeat the procedure in Step 8. The horn sounds twice to indicate that the sensor identification code has been matched to the left side rear wheel, and the tyre pressure sensor matching process is no longer active.
12. Turn off the ignition.

13. Set all four tyres to the recommended air pressure level as indicated on the tyre pressure information label.
14. Ensure the tyre loading status is set according to the selected pressure ↻ 98.

### Tread depth

Check tread depth at regular intervals.

Tyres should be replaced for safety reasons at a tread depth of 2-3 mm (4 mm for winter tyres).

For safety reasons it is recommended that the tread depth of the tyres 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.

Tyres age, even if they are not used. We recommend tyre replacement every six years.

## Changing tyre and wheel size

If tyres of a different size than those fitted at the factory are used, it may be necessary to reprogramme the speedometer as well as the nominal tyre pressure and make other vehicle modifications.

After converting to a different tyre size, have the label with tyre pressures replaced.

Furthermore, the advanced parking assist must be calibrated ⇨ 171.

### ⚠ Warning

Use of unsuitable tyres or wheels may lead to accidents and will invalidate the vehicle type approval.

## Wheel covers

Wheel covers and tyres that are factory approved for the respective vehicle and comply with all of the relevant wheel and tyre combination requirements must be used.

If the wheel covers and tyres used are not factory approved, the tyres must not have a rim protection ridge.

Wheel covers must not impair brake cooling.

### ⚠ Warning

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

## Tyre chains



Tyre chains are only permitted on the front wheels.

Always use fine mesh chains that add no more than 10 mm to the tyre tread and the inboard sides (including chain lock).

### ⚠ Warning

Damage may lead to tyre blowout.

Tyre chains are permitted on tyres of size 195/65 R15, 205/55 R16 and 215/55 R16.

## Temporary spare wheel

The use of tyre chains is not permitted on the temporary spare wheel.

## Tyre repair kit

Minor damage to the tyre tread can be repaired with the tyre repair kit.

Do not remove foreign bodies from the tyres.

Tyre damage exceeding 4 mm or that is at tyre's sidewall cannot be repaired with the tyre repair kit.

**⚠ Warning**

Do not drive faster than 80 km/h.  
Do not use for a lengthy period.  
Steering and handling may be affected.

If you have a flat tyre:

Apply the parking brake and engage first gear, reverse gear or **P**.



The tyre repair kit is on the right side in the load compartment behind a cover.

1. Remove the sealant bottle.

2. Insert the thumb into the opening and pull out the compressor.



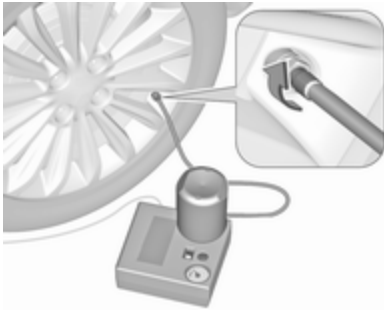
3. Remove the electrical connection cable and air hose from the stowage compartments on the underside of the compressor.



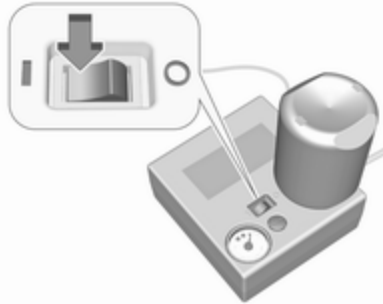
4. Screw the compressor air hose to the connection on the sealant bottle.

5. Fit the sealant bottle into the retainer on the compressor.

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



6. Unscrew valve cap from defective tyre.
7. Screw the filler hose to the tyre valve.
8. The switch on the compressor must be set to **O**.
9. Connect the compressor plug to the power outlet or cigarette lighter socket.  
To avoid discharging the battery, we recommend running the engine.

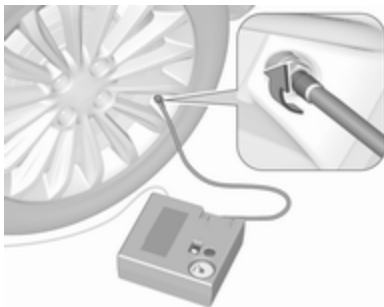


10. Set the rocker switch on the compressor to **I**. The tyre is filled with sealant.
11. The compressor pressure gauge briefly indicates up to 6 bar whilst the sealant bottle is emptying (approx. 30 seconds). Then the pressure starts to drop.
12. All of the sealant is pumped into the tyre. Then the tyre is inflated.
13. The prescribed tyre pressure should be obtained within ten minutes. Tyre pressure  $\varnothing$  254. 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 over the pressure indicator. Do not run the compressor longer than ten minutes.

14. Detach the tyre repair kit. Push catch on bracket to remove sealant bottle from bracket. Screw the tyre inflation hose to the free connection of the sealant bottle. This prevents sealant from escaping. Stow tyre repair kit in load compartment.
15. Remove any excess sealant using a cloth.
16. Take the label indicating maximum permitted speed from the sealant bottle and affix in the driver's field of view.
17. Continue driving immediately so that sealant is evenly distributed in the tyre. After driving approx. 10 km (but no more than ten minutes), stop and check tyre pressure. Screw compressor air hose directly onto tyre valve and compressor when doing this.



If tyre pressure is more than 1.3 bar, set it to the correct value. Repeat the procedure until there is no more loss of pressure.

If the tyre pressure has fallen below 1.3 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 minutes.

The built-in safety valve opens at a pressure of 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.

The adapters supplied can be used to pump up other items e.g. footballs, air mattresses, inflatable dinghies etc. They are located on the underside of the compressor. To remove, screw on compressor air hose and withdraw adapter.

## Wheel changing

Some vehicles are equipped with a tyre repair kit instead of a spare wheel  
 ⇨ 225.

Make the following preparations and observe the following information:

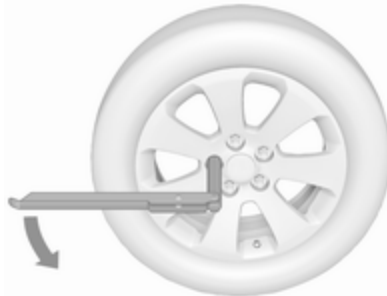
- Park the vehicle on a level, firm and non-skid surface. The front wheels must be in the straight-ahead position.
- Apply the parking brake and engage first gear, reverse gear or **P**.
- Remove the spare wheel ⇨ 231.
- Never change more than one wheel at once.
- Use the jack only to change wheels in case of puncture, not for seasonal winter or summer tyre change.
- The jack is maintenance-free.
- If the ground on which the vehicle is standing is soft, a solid board (max. one 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.
- Clean wheel nuts and thread with a clean cloth before mounting the wheel.

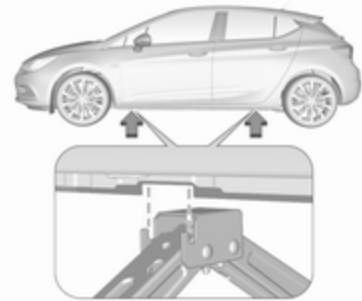
### **⚠ Warning**

Do not grease wheel bolt, wheel nut and wheel nut cone.

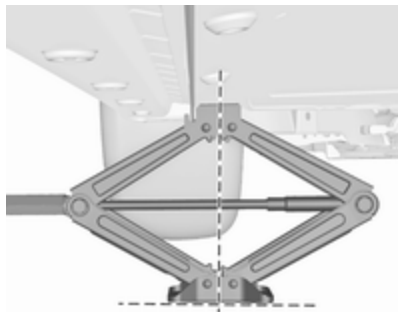
1. Disengage wheel nut caps with a screwdriver and remove. For alloy wheels, place a soft cloth underneath the screwdriver. Pull off the wheel cover. Vehicle tools ⇨ 218.



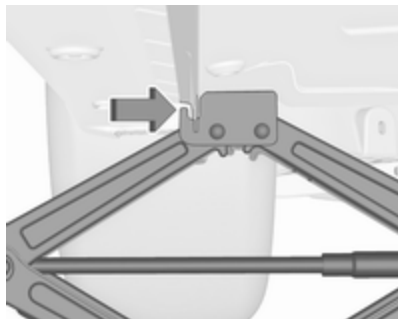
2. Fold out the wheel wrench and install ensuring that it locates securely and loosen each wheel nut by half a turn.



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.



Attach wheel wrench and with the jack correctly aligned rotate wheel wrench until wheel is clear of the ground.

5. Unscrew the wheel nuts.
6. Change the wheel. Spare wheel ↻ 231.
7. Screw on the wheel nuts.
8. Lower the vehicle and remove jack.

9. Install the wheel wrench ensuring that it locates securely and tighten each nut in a crosswise sequence. Tightening torque is 140 Nm.

10. Align the valve hole in the wheel cover with the tyre valve before installing.

Install wheel nut caps.

11. Stow the replaced wheel ↻ 231 and the vehicle tools ↻ 218.
12. Check the tyre pressure of the installed tyre and the wheel nut torque as soon as possible.

Have the defective tyre renewed or repaired as soon as possible.



### Jacking position for lifting platform



Rear arm position of the lifting platform under the rear recess of the sill.



Front arm position of the lifting platform under the front recess of the sill.

### Spare wheel

Some vehicles are equipped with a tyre repair kit instead of a spare wheel.

If mounting a spare wheel, which is different from the other wheels, this wheel might be classified as a temporary spare wheel and the corresponding speed limits apply, even though no label indicates this. Seek the assistance of a workshop to check the applicable speed limit.

The spare wheel has a steel rim.

#### Caution

The use of a spare wheel that is smaller than the other wheels or in combination with winter tyres could affect driveability. Have the defective tyre replaced as soon as possible.



The spare wheel is located in the load compartment beneath the floor covering.

To remove:

1. Open the floor cover.
2. The spare wheel is secured with a wing nut. Untwist nut to take out the spare wheel.

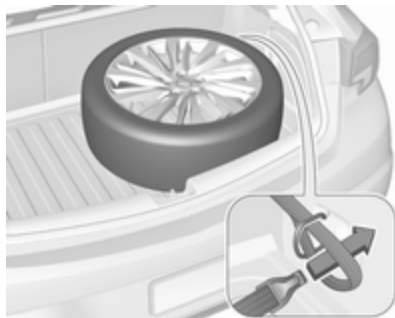
Under the spare wheel there is the box with vehicle tools.

3. When, after a wheel change, no wheel is placed in the spare wheel well, secure the tool box by turning the wing nut as far as it will go and close floor cover.

### Stowing a damaged full size wheel in the load compartment

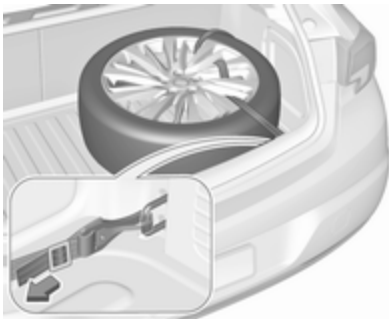
The spare wheel well is not designed for other tyre sizes than the spare wheel. A damaged full size wheel must be stowed in the load compartment and secured with a strap. Vehicle tools ⇨ 218. To secure the wheel:

1. Position the wheel outside up close to one sidewall of the load compartment.



2. Place the loop end of the strap through the front lashing eye on the appropriate side.

3. Place the hook end of the strap through the loop and pull it until the strap is fastened securely to the lashing eye.



4. Insert the strap through the spokes of the wheel as shown in the illustration.
5. Mount the hook to the rear lashing eye.
6. Tighten the strap and secure it using the buckle.

#### **⚠ Danger**

Always drive with folded up and engaged rear seat backrests when stowing a damaged full size wheel in the load compartment.

### Temporary spare wheel

#### **Caution**

The use of a spare wheel that is smaller than the other wheels or in combination with winter tyres could affect driveability. Have the defective tyre replaced as soon as possible.

Only mount one temporary spare wheel. Do not drive faster than 80 km/h. Take curves slowly. Do not use for a long period of time.

If your vehicle gets a flat tyre on the rear while towing another vehicle, mount the temporary spare wheel in the front and the full tyre in the rear.

Tyre chains ⇨ 225.

## Spare wheel with directional tyre

If possible, fit directional tyres such that they roll in the direction of travel. The rolling direction is indicated by a symbol (e.g. an arrow) on the sidewall.

The following applies to tyres fitted opposing the rolling direction:

- Driveability may be affected. Have the defective tyre renewed or repaired as soon as possible.
- Drive particularly carefully on wet and snow-covered road surfaces.

## Jump starting

The vehicle battery is located in the load compartment under a cover. There are connecting points for jump starting in the engine compartment.

A vehicle with a discharged vehicle battery can be started using jump leads and the vehicle battery of another vehicle.

Do not start with quick charger.

### 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.

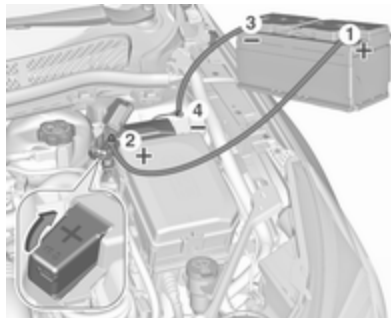
### Warning

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 vehicle battery before connecting jump leads.
- Wear eye protection and protective clothing when handling a vehicle battery.
- Use a booster vehicle battery with the same voltage (12 Volt). Its capacity (Ah) must not be much less than that of the discharged vehicle battery.
- Use jump leads with insulated terminals and a cross section of at least 16 mm<sup>2</sup> (25 mm<sup>2</sup> 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**.
- Open the positive terminal protection cap of your vehicle in the engine compartment and of the booster vehicle battery.



Lead connection order:

1. Connect the red lead to the positive terminal of the booster vehicle battery.
2. Connect the other end of the red lead to the positive terminal of your vehicle near the fuse box in the engine compartment.
3. Connect the black lead to the negative terminal of the booster vehicle battery.
4. Connect the other end of the black lead to a vehicle grounding point of your vehicle in the engine compartment.

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) of the vehicle receiving the jump start.
5. Reverse above sequence exactly when removing leads.

## Towing

### Towing the vehicle



Insert a screwdriver in the slot at the lower part of the cap. Release the cap by carefully moving the screwdriver downwards.

The towing eye is stowed with the vehicle tools ⇨ 218.



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 the vehicle.

Switch on ignition to release steering wheel lock and to permit operation of brake lights, horn and windscreen wiper.

Transmission in neutral.

### 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.

Vehicles with automatic transmission: The vehicle must be towed facing forwards, not faster than 80 km/h nor further than 100 km. In all other cases and when the transmission is defective, the front axle must be raised off the ground.

Vehicles with manual transmission automated: the vehicle must only be towed facing forwards with the front axle raised off the ground.

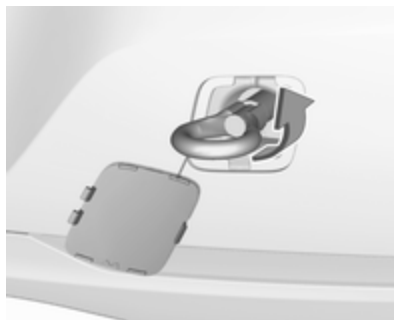
Seek the assistance of a workshop. After towing, unscrew the towing eye. Insert cap at the top and engage downwards.

## Towing another vehicle



Insert a screwdriver in the slot at the lower bend of the cap. Release the cap by carefully moving the screwdriver downwards.

The towing eye is stowed with the vehicle tools ↗ 218.



Screw in the towing eye as far as it will go until it stops in a horizontal position.

The lashing eye at the rear underneath the vehicle must never be used as a towing eye.

Attach a tow rope – or even better a tow bar – 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 at the top and engage downwards.

## Appearance care

### Exterior care

#### Locks

The locks are lubricated at the factory using a high quality lock cylinder grease. Use 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. Wash and wax your vehicle regularly. When using automatic vehicle washes, select a programme that includes waxing.

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 four to nine.

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

Wax the vehicle regularly (at the latest when water no longer beads). Otherwise, the paintwork will dry out.

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts must not be treated with wax or polishing agents.

### **Windows and windscreen wiper blades**

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.

Remove dirt residues from smearing wiper blades by using 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.

### **Sunroof**

Never clean with solvents or abrasive agents, fuels, aggressive media (e.g. paint cleaner, acetone-containing solutions etc.), acidic or highly alkaline media or abrasive pads. Do not apply wax or polishing agents to the sunroof.

### **Wheels and tyres**

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.

### **Air shutter**

Clean the shutter system in the front bumper to maintain correct functionality.

### **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 instrument cluster and the displays should only be cleaned using a soft damp cloth. If necessary use a weak soap solution.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clothing fabrics may not be colourfast. This could cause visible discolourations, especially on light-coloured 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 high-pressure jet cleaners.

## Service and maintenance

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## General information

### Service information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

The detailed, up-to-date service schedule for your vehicle is available at the workshop.

Service display ⇨ 91.

### European service intervals

Maintenance of your vehicle is required every 30,000 km or after one year, whichever occurs first, unless otherwise indicated in the service display.

A shorter service interval can be valid for severe driving behaviour, e.g. for taxis and police vehicles.

The European service intervals are valid for the following countries:

Andorra, Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Greenland, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom.

Service display ⇨ 91.

### International service intervals

Maintenance of your vehicle is required every 15,000 km or after one year, whichever occurs first, unless otherwise indicated in the service display.

The international service intervals are valid for the countries which are not listed in the European service intervals.

Service display ⇨ 91.

## 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.

## Service interval with remaining engine oil life duration

The service interval is based on several parameters depending on usage.

The service display lets you know when to change the engine oil.

Service display ⇨ 91.

## Recommended fluids, lubricants and parts

### Recommended fluids and lubricants

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.

Dexos is the newest engine oil quality that provides optimum protection for gasoline and diesel engines. If it is unavailable, engine oils of other listed qualities have to be used.

Recommendations for gasoline engines are also valid for Compressed Natural Gas (CNG), Liquefied Petroleum Gas (LPG) and Ethanol (E85) fuelled engines.

Select the appropriate engine oil based on its quality and on the minimum ambient temperature  
⇨ 245.

### Topping up engine oil

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 oil with only ACEA A1/B1 or only A5/B5 quality is prohibited, since it can cause long-term engine damage under certain operating conditions.

Select the appropriate engine oil based on its quality and on the minimum ambient temperature  
⇨ 245.

### **Additional engine oil additives**

The use of additional engine oil additives could cause damage and invalidate the warranty.

### **Engine oil viscosity grades**

The SAE viscosity grade gives information of the thickness of the oil.

Multigrade oil is indicated by two figures, e.g. SAE 5W-30. The first figure, followed by a W, indicates the low temperature viscosity and the second figure the high temperature viscosity.

Select the appropriate viscosity grade depending on the minimum ambient temperature ⇨ 245.

All of the recommended viscosity grades are suitable for high ambient temperatures.

### **Coolant and antifreeze**

Use only organic acid type-long life coolant (LLC) 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

northern countries 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.

### **Brake and clutch fluid**

Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.

## Technical data

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## Vehicle identification

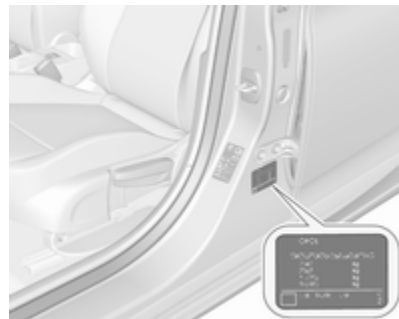
### Vehicle Identification Number



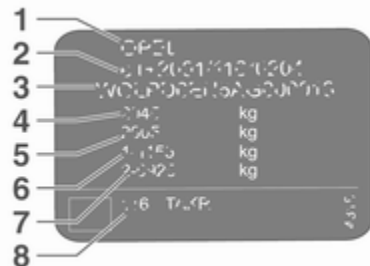
The Vehicle Identification Number may be stamped on the identification plate and on the floor pan, under the floor covering, visible under a cover.

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.



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** : vehicle-specific or country-specific data

The combined total of front and rear axle loads must not exceed the permissible gross vehicle weight. For example, if the front axle is bearing its maximum permissible load, the rear axle can only bear a load that is equal to the gross vehicle weight minus the front axle load.

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 ⇨ 248.

To identify the respective engine, refer to the engine power in the EEC Certificate of Conformity provided with your vehicle or other national registration documents.

## Vehicle data

### Recommended fluids and lubricants

#### European service schedule

#### Required engine oil quality

All European countries with European service interval ⇨ 240

Engine oil quality	Petrol engines (including CNG, LPG, E85)	Diesel engines
<b>dexos 1</b>	–	–
<b>dexos 2</b>	✓	✓

In case dexos quality is unavailable you may use max. one litre engine oil quality ACEA C3 once between each oil change.

#### Engine oil viscosity grades

All European countries with European service interval ⇨ 240

Ambient temperature	Petrol and diesel engines
down to -25 °C	SAE 5W-30 or SAE 5W-40
below -25 °C	SAE 0W-30 or SAE 0W-40

## International service schedule

## Required engine oil quality

## All countries with international service interval ⇨ 240

Engine oil quality	Petrol engines (including CNG, LPG, E85)	Diesel engines
<b>dexos 1</b> (if available)	✓	–
<b>dexos 2</b>	✓	✓

In case dexos quality is unavailable you may use the oil qualities listed below:

## All countries with international service interval ⇨ 240

Engine oil quality	Petrol engines (including CNG, LPG, E85)	Diesel engines
GM-LL-A-025	✓	–
GM-LL-B-025	–	✓

## All countries with international service interval ⇨ 240

Engine oil quality	Petrol engines (including CNG, LPG, E85)	Diesel engines
ACEA A3/B3	✓	–
ACEA A3/B4	✓	✓



## All countries with international service interval ⇨ 240

ACEA C3	✓	✓
API SM	✓	-
API SN resource conserving	✓	-

**Engine oil viscosity grades**

## All countries with international service interval ⇨ 240

Ambient temperature	Petrol and diesel engines
down to -25 °C	SAE 5W-30 or SAE 5W-40
below -25 °C	SAE 0W-30 or SAE 0W-40
down to -20 °C	SAE 10W-30 <sup>1)</sup> or SAE 10W-40 <sup>1)</sup>

1) Permitted, but usage of SAE 5W-30 or SAE 5W-40 with dexos quality is recommended.

## Engine data

Sales designation	1.0	1.4	1.4	1.4	1.6
Engine identifier code	B10XFL	B14XE	B14XFL	B14XFT	B16SHT
Number of cylinders	3	4	4	4	4
Piston displacement [cm <sup>3</sup> ]	999	1399	1399	1399	1598
Engine power [kW]	77	74	92	110	147
at rpm	5500	6000	4000-5600	5000-5600	4700-5500
Torque [Nm]	170	130	245/230 <sup>2)</sup>	245/230 <sup>2)</sup>	300
at rpm	1800-4250	4400	2000-3500	2000-4000	1700-4700
Fuel type	Petrol	Petrol	Petrol	Petrol	Petrol
Octane rating RON					
recommended	95	95	95	95	98
possible	98	98	98	98	95
possible	91	91	91	91	91
Gas	–	–	–	–	–
Engine oil consumption [l/1000 km] <sup>3)</sup>	0.6	0.6	0.6	0.6	0.6

2) With Stop-start system.

3) Maximum value.

<b>Sales designation</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>
<b>Engine identifier code</b>	<b>B16DTC</b>	<b>B16DTE</b>	<b>B16DTR</b>	<b>B16DTU</b>	<b>B16DTH</b>
Number of cylinders	4	4	4	4	4
Piston displacement [cm <sup>3</sup> ]	1598	1598	1598	1598	1598
Engine power [kW]	70	81	117	81	100
at rpm	3500	3500	4000	3500	3500-4000
Torque [Nm]	280	300	350	300	320
at rpm	1500-1750	1750-2000	1500-2250	1750-2000	2000-2250
Fuel type	Diesel	Diesel	Diesel	Diesel	Diesel
Engine oil consumption [l/1000 km] <sup>4)</sup>	0.6	0.6	0.6	0.6	0.6

4) Maximum value.

## Performance

Engine	B10XFL	B14XE	B14XFL	B14XFT	B16SHT
Maximum speed [km/h]					
Manual transmission	194	– <sup>5)</sup>	204 <sup>6)</sup> /199	216 <sup>6)</sup> /210	– <sup>5)</sup>
Manual transmission automated	198	–	–	–	–
Automatic transmission	–	–	–	–	–

5) Value was not available at time of printing.

6) With Stop-start system.

Engine	B16DTC	B16DTE	B16DTH	B16DTR	B16DTU
Maximum speed [km/h]					
Manual transmission	181	192	207	– <sup>5)</sup>	– <sup>5)</sup>
Manual transmission automated	–	–	–	–	–
Automatic transmission	–	–	198	–	–

5) Value was not available at time of printing.

## Vehicle weight

### Kerb weight, basic model without any optional equipment

5-door hatchback	Engine	Manual transmission	Manual transmission automated	Automatic transmission
without/with air conditioning	B10XFL	1263/1273	1263/1273	–
[kg]	B14XE	– <sup>7)</sup>	–	–
	B14XFL	–/1278	–	–
	B14XFT	–/1278	–	–
	B16SHT	– <sup>7)</sup>	–	–
	B16DTC	1335/1345	–	–
	B16DTE	1350/1360	–	–
	B16DTH	1350/1360	–	–/1364
	B16DTR	– <sup>7)</sup>	–	–
	B16DTU	– <sup>7)</sup>	–	–

7) Value was not available at time of printing.

Optional equipment and accessories increase the kerb weight.

Loading information ⇨ 73.

**Vehicle dimensions**

	<b>5-door hatchback</b>
Length [mm]	4370
Width without exterior mirrors [mm]	1809
Width with two exterior mirrors [mm]	2042
Height (without antenna) [mm]	1500
Length of load compartment floor [mm]	828
Length of load compartment with folded rear seats [mm]	1575
Load compartment width [mm]	1001
Load compartment height [mm]	588
Wheelbase [mm]	2662
Turning circle diameter [m]	11.44

---

## Capacities

### Engine oil

Engine	B10XFL	B14XFL, B14XFT	B16DTH, B16DTC, B16DTE	B14XE, B16SHT, B16DTR, B16DTU
including Filter [l]	4.0	4.5	5.0	— <sup>8)</sup>
between MIN and MAX [l]	1.0	1.0	1.0	— <sup>8)</sup>

<sup>8)</sup> Value was not available at time of printing.

### Fuel tank

Petrol/diesel, refilling quantity [l]	48
---------------------------------------	----

## Tyre pressures

5-door hatchback		Comfort with up to 3 people		ECO with up to 3 people		With full load	
Engine	Tyres	front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
B10XFL, B14XE	195/65 R15, 225/45 R17	220/2.2 (32)	220/2.2 (32)	270/2.7 (39)	270/2.7 (39)	250/2.5 (36)	270/2.7 (39)
	205/55 R16	220/2.2 (32)	220/2.2 (32)	300/3.0 (43)	300/3.0 (43)	250/2.5 (36)	270/2.7 (39)
B14XFL	195/65 R15, 225/45 R17, 225/40 R18	220/2.2 (32)	220/2.2 (32)	270/2.7 (39)	270/2.7 (39)	250/2.5 (36)	270/2.7 (39)
	205/55 R16	220/2.2 (32)	220/2.2 (32)	300/3.0 (43)	300/3.0 (43)	250/2.5 (36)	270/2.7 (39)
B14XFT	195/65 R15, 225/45 R17, 215/55 R16, 215/50 R17, 225/40 R18	220/2.2 (32)	220/2.2 (32)	270/2.7 (39)	270/2.7 (39)	250/2.5 (36)	270/2.7 (39)
	205/55 R16	220/2.2 (32)	220/2.2 (32)	300/3.0 (43)	300/3.0 (43)	250/2.5 (36)	270/2.7 (39)



5-door hatchback		Comfort with up to 3 people		ECO with up to 3 people		With full load	
Engine	Tyres	front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
B16DTE, B16DTH	225/45 R17, 225/40 R18	240/2.4 (35)	220/2.2 (32)	270/2.7 (39)	270/2.7 (39)	250/2.5 (36)	270/2.7 (39)
	205/55 R16	240/2.4 (35)	220/2.2 (32)	300/3.0 (43)	300/3.0 (43)	250/2.5 (36)	270/2.7 (39)
B16DTR, B16SHT	225/45 R17, 225/40 R18	240/2.4 (35)	220/2.2 (32)	270/2.7 (39)	270/2.7 (39)	250/2.5 (36)	270/2.7 (39)
	205/55 R16	240/2.4 (35)	220/2.2 (32)	300/3.0 (43)	300/3.0 (43)	250/2.5 (36)	270/2.7 (39)
B16DTC, B16DTU	195/65 R15, 225/45 R17	240/2.4 (35)	220/2.2 (32)	270/2.7 (39)	270/2.7 (39)	250/2.5 (36)	270/2.7 (39)
	205/55 R16	240/2.4 (35)	220/2.2 (32)	300/3.0 (43)	300/3.0 (43)	250/2.5 (36)	270/2.7 (39)
All	Temporary spare wheel 115/70 R16	420/4.2 (60)	420/4.2 (60)	–	–	420/4.2 (60)	420/4.2 (60)

## Customer information

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## Customer information

### Declaration of conformity

#### Radio transmission systems

This vehicle has systems that transmit and/or receive radio waves subject to Directive 1999/5/EC. These systems are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. Copies of the original Declarations of Conformity can be obtained on our website.

Jack



Wir leben Aufsteig.

### Konformitätserklärung

nach EG Richtlinie 2006/42/EG

Hiermit erklären wir, dass das Produkt:

**Produktbezeichnung:** Wagenheber

**Typ/GM-Teilenummern:** 13590035

den Bestimmungen der Richtlinie 2006/42/EG entspricht.

Angewendete technische Normen:

GMN9737 Jacking  
 GM 14337 Standard Equipment Jack - Hardware Tests  
 GMN5127 Vehicle Integrity-Hoisting and Service Station Jacking  
 GMW15005 Standard Equipment Jack and Spare Tire, Vehicle Test  
 ISO TS 16949 Qualitätsmanagementsystem

Der Unterzeichner ist Bevollmächtigter für die Zusammenstellung der technischen Unterlagen.

Rüsselsheim, 27. Mai 2015

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 Peter Tsch, Susanne Weibich, Udo Weis

Aufsicht:  
 Stephan J. Gray (Verbindl.)

Stk der Gesellschaft: Bilanzkonto  
 Handelsregister:  
 Amtsgericht Darmstadt, HRB 97558  
 für Informationen zu den Ges.

**Translation of the original declaration of conformity**

Declaration of conformity according to EC Directive 2006/42/EC

We declare that the product:

Product designation: Jack

Type/GM part number: 13590035

is in compliance with the provisions of Directive 2006/42/EC.

Applied technical standards:

- GMN9737 : jacking
- GM 14337 : standard equipment jack – hardware tests
- GMN5127 : vehicle integrity – hoisting and service station jacking
- GMW15005 : standard equipment jack and spare tyre, vehicle test
- ISO TS 16949 : quality management systems

The signatory is authorised to compile the technical documentation.

Rüsselsheim, 27th May 2015

signed by

André-Alexander Konter

Engineering Group Manager Tyre and Wheel Systems

Adam Opel AG

D-65423 Rüsselsheim

**Collision damage repair**

**Paint thickness**

Due to production, the thickness of the paint can differ between 50 and 400 µm.

Therefore, different paint thickness is no indicator for a collision damage repair.

**Software acknowledgement**

Certain OnStar components include libcurl and unzip software and other third party software. Below are the notices and licenses associated with libcurl and unzip and for other third party software please see <http://www.lg.com/global/support/opensource/index>.

**libcurl**

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### **unzip**

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## Vehicle data recording and privacy

### Event data recorders

#### Data storage modules in the vehicle

A large number of electronic components of your vehicle contain data storage modules temporarily or permanently storing technical data about the condition of the vehicle, events and errors. In general, this technical information documents the condition of parts, modules, systems or the environment:

- operating conditions of system components (e.g. filling levels)
- status messages of the vehicle and its single components (e.g. number of wheel revolutions / rotational speed, deceleration, lateral acceleration)
- dysfunctions and defects in important system components

- vehicle reactions in particular driving situations (e.g. inflation of an airbag, activation of the stability regulation system)
- environmental conditions (e.g. temperature)

These data are exclusively technical and help identifying and correcting errors as well as optimising vehicle functions.

Motion profiles indicating travelled routes cannot be created with these data.

If services are used (e.g. repair works, service processes, warranty cases, quality assurance), employees of the service network (manufacturer included) are able to read out this technical information from the event and error data storage modules applying special diagnostic devices. If required, you will receive further information at these workshops. After an error has been corrected, the data are deleted from the error storage module or they are constantly overwritten.

When using the vehicle, situations may occur in which these technical data related to other information (accident report, damages on the vehicle, witness statements etc.) may be associated with a specific person - possibly, with the assistance of an expert.

Additional functions contractually agreed upon with the client (e.g. vehicle location in emergency cases) allow the transmission of particular vehicle data from the vehicle.

## **Radio Frequency Identification (RFID)**

RFID technology is used in some vehicles for functions such as tyre pressure monitoring and ignition system security. It is also used in connection with conveniences such as radio remote controls for door locking/unlocking and starting, and in-vehicle transmitters for garage door openers. RFID technology in Opel vehicles does not use or record personal information or link with any other Opel system containing personal information.

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