Contents

Back to overview

Introduction

Fuel	Designation			
Engine oil	Grade			
	Viscosity			
Tyre pressure		Tyre size	Front	Rear
	Summer tyres			
	Winter tyres			
Weights				
	Gross vehicle weight rating			
	- Kerb weight, basic model			
	= Loading			

Back to overview

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.

When this Owner's Manual refers to a workshop visit, we recommend your Opel Service Partner.

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

- The "In brief" section will give you an initial overview.
- The table of contents at the beginning of this manual and within each chapter 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 chapter "Technical data".
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- The displays may not support your language.
- Depending on the model variant, country variant, integrated special equipment and accessories, the scope of equipment in your vehicle can differ from the items mentioned in this Owner's Manual.
- Display messages and interior labelling are written in **bold** letters.

Back to overview

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".

We wish you many hours of pleasurable driving.

Adam Opel GmbH

Back to overview

Back to overview

In brief

Initial drive information

Vehicle unlocking

Press button to unlock the doors and load compartment. Open the doors by pulling the handles. To open the tailgate, pull the button under the tailgate moulding.

Press button ; only the load compartment is unlocked and opens.

Radio remote control ⇨ 19, Central locking system ⇨ 21, Load compartment ⇨ 24.

Seat adjustment

Seat positioning

Pull handle, slide seat, release handle.

Seat position ⇨ 40, Seat adjustment ⇨ 41.

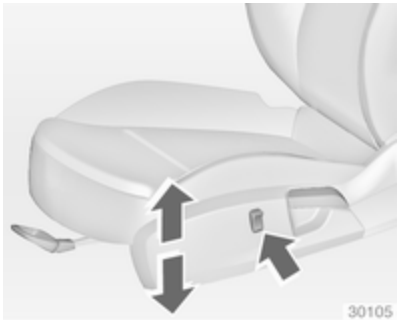
Back to overview

Seat backrests

Pull lever, adjust inclination and release lever. Allow the seat to engage audibly. Do not lean on backrest when adjusting.

Seat position ⇨ 40, Seat adjustment ⇨ 41.

Seat height

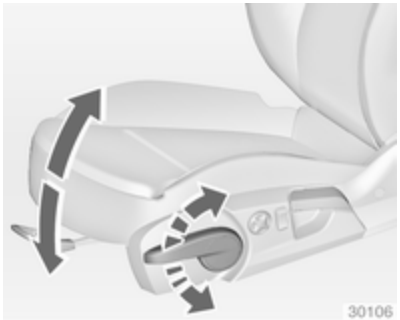


Press switch

top = seat higher
bottom = seat lower

Seat position ⇨ 40, Seat adjustment ⇨ 41.

Seat inclination



Lever pumping motion

up = front end higher
down = front end lower

Seat position ⇨ 40, Seat adjustment ⇨ 41.

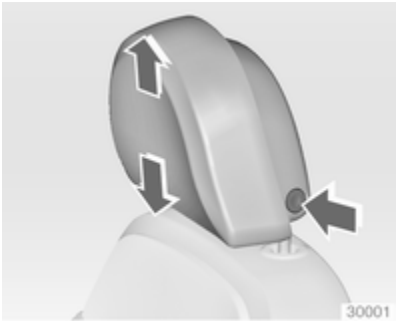
Back to overview

Power seat adjustment

Operate switches.

positioning = move switch forwards/backwards
height = move switch upwards/ downwards
inclination = move switch upwards/ downwards at front
backrest = turn switch forwards/ backwards

Head restraint adjustment



Press release button, adjust height, engage.

Head restraints ⇨ 39.

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 °).

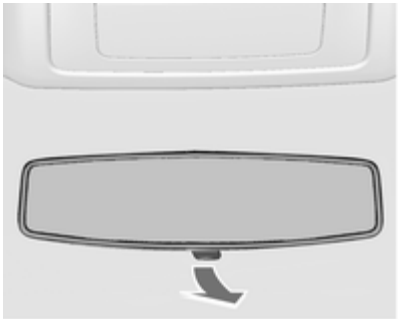
To release belt, press red button on belt buckle.

Seat position ⇨ 40, Seat belts ⇨ 46, Airbag system ⇨ 49.

Back to overview

Mirror adjustment

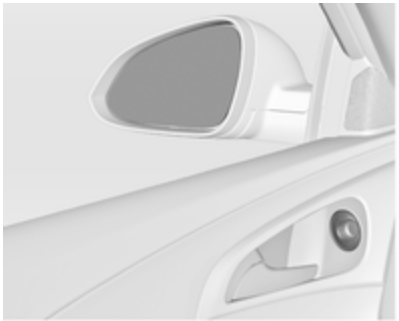
Interior mirror



Adjust the lever on the underside to reduce dazzle.

Interior mirror ⇨ 33, Automatic anti-dazzle interior mirror ⇨ 33.

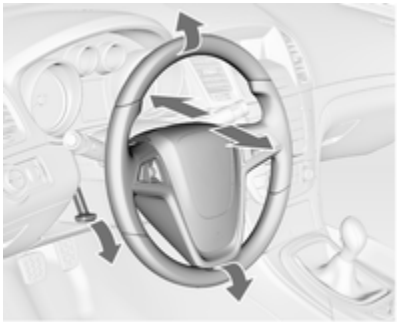
Exterior mirrors



Select the relevant exterior mirror and adjust.

Convex exterior mirrors ⇨ 31, Electric adjustment ⇨ 31, Folding exterior mirrors ⇨ 31, Heated exterior mirrors ⇨ 32.

Steering wheel adjustment

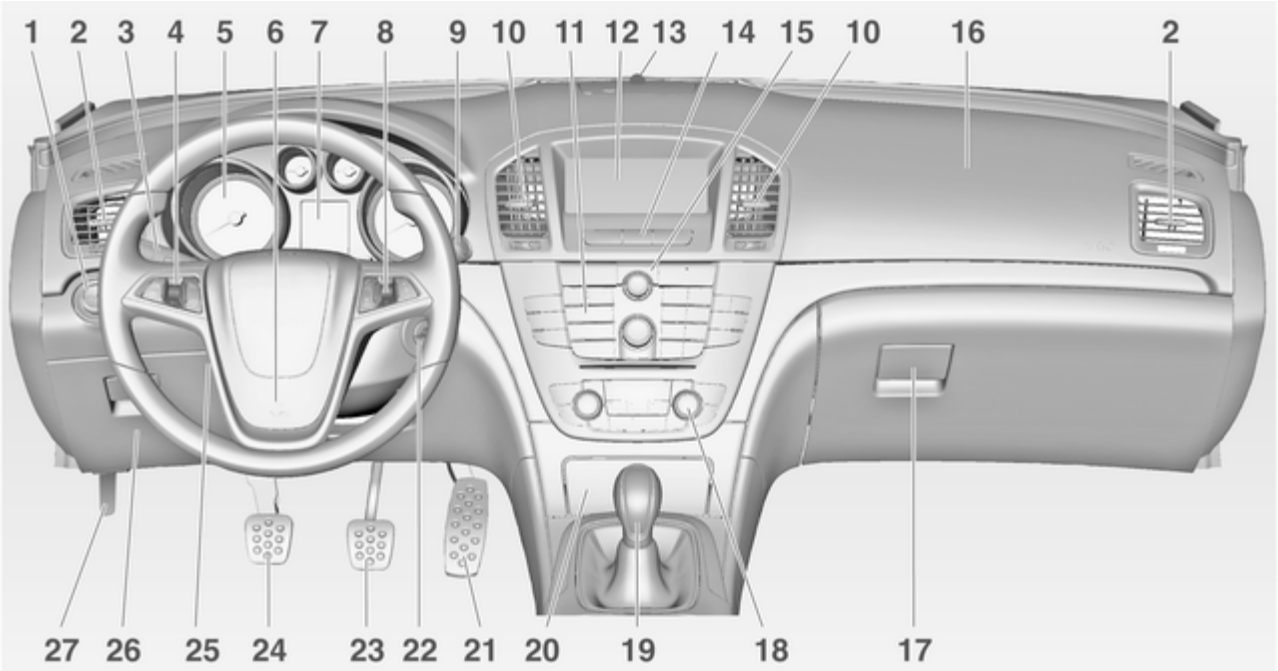


Unlock lever, adjust steering wheel, then engage lever and ensure it is fully locked. Do not adjust steering wheel unless vehicle is stationary and steering wheel lock has been released.

Airbag system ⇨ 49, Ignition positions ⇨ 123.

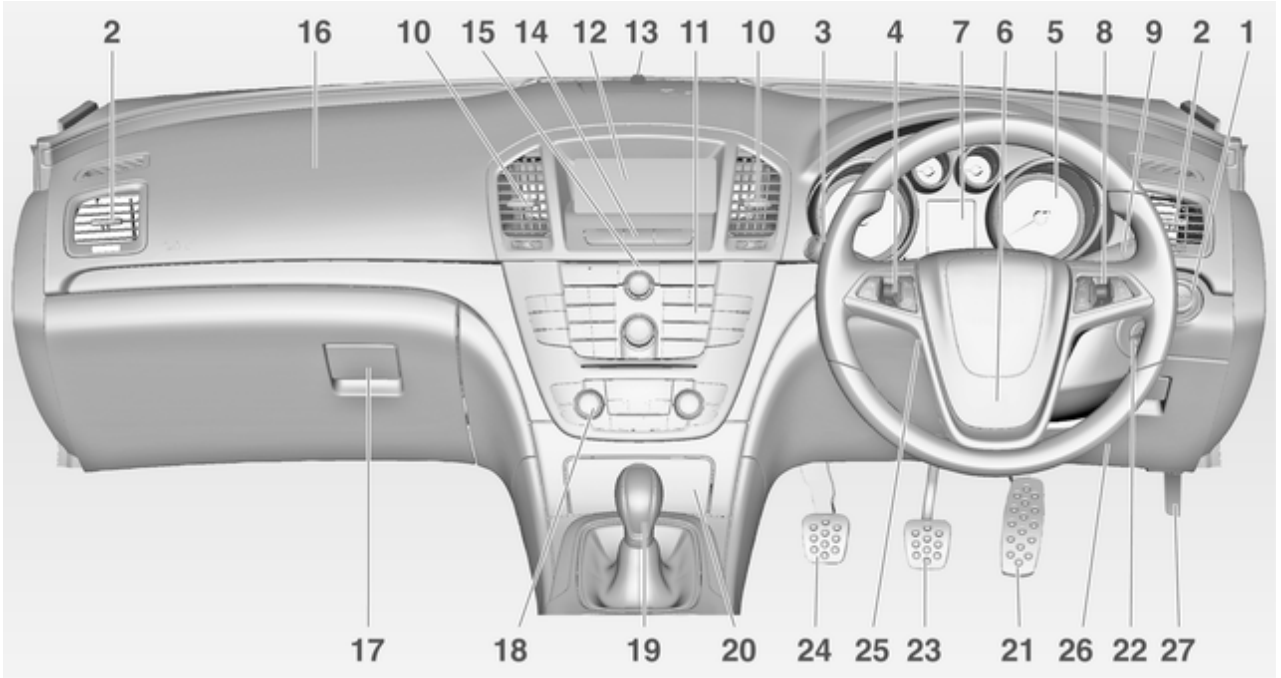
Back to overview

Instrument panel overview



Back to overview

Back to overview



Back to overview

Exterior lighting

Turn light switch

Auto = Automatic light control: Headlights are switched on and off automatically.

0 = activation or deactivation of the automatic light control

⇛ = sidelights

≣D = headlights

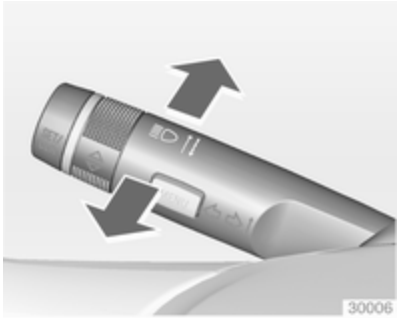
Press

⫬D = front fog lights

D⫬ = rear fog light

Lighting ⇨ 101.

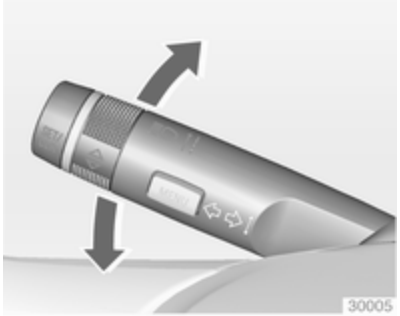
Headlight flash, high beam and low beam



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

Automatic light control ⇨ 102, High beam ⇨ 104, Headlight flash ⇨ 104.

Turn and lane-change signals



right = lever up
left = lever down

Turn and lane-change signals ⇨ 105, Parking lights ⇨ 106.

Back to overview

Hazard warning flashers

Operated with the ⚠ button.

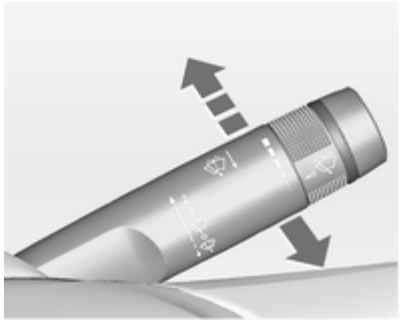
Hazard warning flashers ⇨ 105.

Horn

Press .

Washer and wiper systems

Windscreen wiper



2 = fast
1 = slow
⏲ = timed interval wiping or automatic wiping with rain sensor
O = off

For a single swipe when the windscreen wiper is off, press the lever down.

Windscreen wiper ⇨ 73, Wiper blade replacement ⇨ 155.

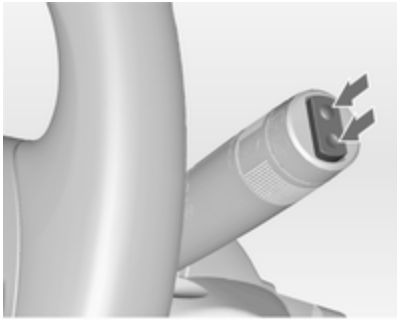
Back to overview

Windscreen and headlight washer systems

Pull lever.

Windscreen and headlight washer system ⇨ 73, Washer fluid ⇨ 154.

Rear window wiper and washer systems



Push the rocker switch to activate the rear window wiper:

top = continuous operation
bottom = intermittent operation

Push lever.

Washer fluid is sprayed on the rear window and the wiper swipes for a few strokes.

Back to overview

Climate control

Heated rear window, heated exterior mirrors

Heating is operated by pressing the button.

Heated rear window ⇨ 35.

Demisting and defrosting the windows

Press button .

Set temperature control to warmest level.

Cooling on.

Heated rear window on.

Climate control system ⇨ 114.

Transmission

Manual transmission

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

If the gear does not engage, set the lever in neutral, release the clutch pedal and depress again; then repeat gear selection.

Manual transmission ⇨ 130.

Back to overview

Automatic transmission

P = park
R = reverse
N = neutral
D = drive

Manual mode: move selector lever from **D** to the left.

+ = higher gear
− = lower gear

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**, push the release button.

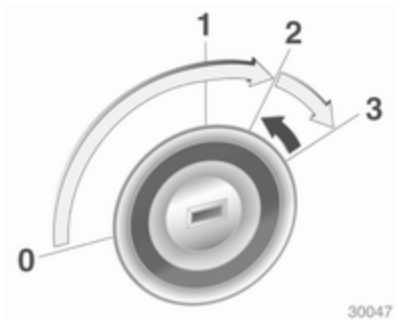
Automatic transmission ⇨ 126.

Starting off

Check before starting off

- Tyre pressure and condition ⇨ 173, ⇨ 218.
- Engine oil level and fluid levels ⇨ 152.
- 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 ⇨ 31, ⇨ 40, ⇨ 47.
- Brake function at low speed, particularly if the brakes are wet.

Starting the engine



- Turn key to position 1
- move the steering wheel slightly to release the steering wheel lock
- operate clutch and brake
- automatic transmission in **P** or **N**
- do not accelerate
- diesel engines: turn the key to position 2 for preheating and wait until control indicator goes out
- turn key to 3 and release

Starting the engine ⇨ 123.

Back to overview

Parking

- Always apply parking brake. Manual parking brake without pressing release button. Apply as firmly as possible on a downhill slope or uphill slope. Operate foot brake at the same time to reduce operating force.

  For vehicles with electrical parking brake pull switch Ⓟ.
- Switch off the engine and ignition. Turn the ignition key to 0 and remove. 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 the **P** position.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to **P** before switching off the ignition. 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 **P** before switching off the ignition. Turn the front wheels towards the kerb.
- Lock the vehicle with button on the radio remote control.

  Activate the anti-theft alarm system ⇨ 28.
- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Close windows and sunroof.
- The engine cooling fans may run after the engine has been switched off ⇨ 151.
- 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 ⇨ 19, Laying the vehicle up for a long period of time ⇨ 150.

Back to overview

Keys, doors and windows

Keys, locks

Keys

Replacement keys

The key number is specified in the Car Pass or on a detachable tag.

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

Locks ⇨ 187.

Key with foldaway key section

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

Car Pass

The Car Pass contains security related vehicle data and should therefore be kept in a safe place.

When the vehicle is taken to a workshop, this vehicle data is needed in order to perform certain operations.

Radio remote control

Back to overview

Used to operate:

- Central locking system
- Anti-theft locking system
- Anti-theft alarm system
- Load compartment
- Power windows
- Sunroof
- Foldable power mirrors

The radio remote control has a range of approx. 5 metres (16 ft). This range can be affected by outside influences. The hazard warning flashers confirm operation.

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

Fault

If the central locking system cannot be operated with the radio remote control, it may be due to the following:

- Range exceeded
- Battery voltage 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

Unlocking ⇨ 21.

Basic settings

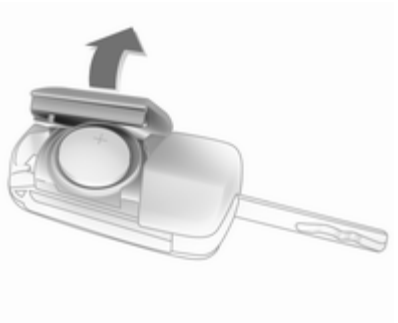
Some settings can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

Radio remote control battery replacement

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.

Key with foldaway key section



Extend the key and open the unit. Replace the battery (battery type CR2032), paying attention to the installation position. Close the unit and synchronise.

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.

Back to overview

Memorised settings

By removing the key from the ignition switch the settings are automatically saved for the key being used:

- Electronic climate control
- Lighting
- Infotainment system
- Power seats
- Power mirrors
- Central locking system

The saved settings are automatically used when the key is inserted into the ignition switch.

Vehicle personalisation ⇨ 97.

Central locking system

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

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

Note
In the event of an accident of a certain severity, the vehicle unlocks automatically.

Unlocking

Press button.

Two settings are possible: To unlock only the driver's door, press button once, and to unlock all doors, load compartment and fuel filler flap, press button twice.

Settings can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

The settings can be saved for the key being used, Memorised settings ⇨ 21.

Locking

Close doors, load compartment and fuel filler flap.

Press button.

If the driver's door is not closed properly, the central locking system will not work. Activation or deactivation of this function can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

Back to overview

Unlocking the tailgate

Press button when the ignition is off until tailgate is opened. The tailgate will unlock and open, whilst all other doors remain locked.

Power tailgate ⇨ 24

Central locking buttons

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

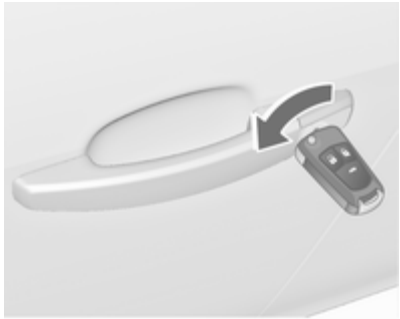
Press the button to lock.

Press the button to unlock.

When the key is in the ignition switch, locking is only possible if all doors are closed.

Fault in radio remote control system

Unlocking



Manually unlock the driver's door by turning the key in the lock. Switch on the ignition and press the central locking button to open all doors, load compartment and fuel filler flap. To deactivate the anti-theft locking system, switch on the ignition.

Locking

Manually lock the driver's door by turning the key in the lock.

Back to overview

Fault in central locking system

Unlocking

Manually unlock the driver's door by turning the key in the lock. The other doors can be opened by pulling the interior handle twice. The load compartment and fuel filler flap cannot be opened. To deactivate the anti-theft locking system, switch on the ignition ⇨ 28.

Locking

Push inside locking knob of all doors except driver's door. Then close the driver's door and lock it from the outside with the key. The fuel filler flap and tailgate cannot be locked.

Automatic locking

Automatic locking after driving off

This security feature can be configured to automatically lock all doors, load compartment and fuel filler flap as soon as the vehicle is driven.

Settings can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

The settings can be saved for the key being used ⇨ 21.

Automatic locking when leaving the vehicle

This security feature can be configured to automatically lock all doors, load compartment and fuel filler flap a short time after the doors are closed when leaving the vehicle.

Settings can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

The settings can be saved for the key being used ⇨ 21.

Child locks

⚠Warning

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

Using a key or suitable screwdriver, turn the child lock in the rear door to the horizontal position. Door cannot be opened from the inside. For deactivation turn the child lock to the vertical position.

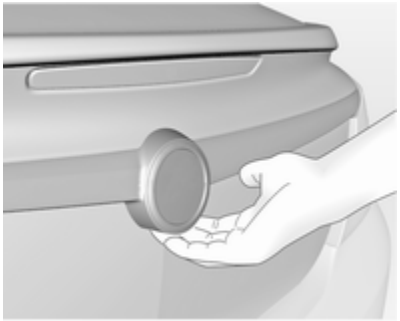
Back to overview

Doors

Load compartment

Tailgate

Opening

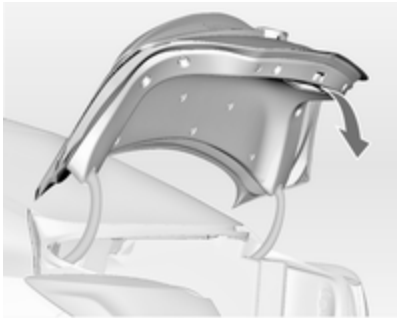


Pull the button under the tailgate moulding.

With radio remote control press button ⌓ until the tailgate is opened.

Central locking system ⇨ 21.

Closing



Use the interior handle.

Do not pull the button under the moulding whilst closing as this will unlock tailgate again.

Central locking system ⇨ 21.

Power tailgate

⚠Warning

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

Keep a close watch on the movable tailgate when operating. Ensure that nothing becomes trapped during operating and no one is standing within the moving area.

The power tailgate is operated by:

- Radio remote control
- Switch in the door panel of the driver's door
- Touchpad switch and button in the tailgate.

It can only be operated when vehicle is stationary with applied parking brake and automatic transmission in **P**.

The taillights flash and a chime sounds when power tailgate is operating.

Back to overview

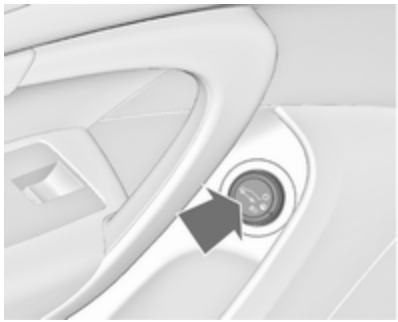
Note
Operating the power tailgate does not operate the central locking system. Therefore always unlock the vehicle before opening the tailgate and lock after closing.

Central locking system ⇨ 21.

Operation with radio remote control

Press and hold button until tailgate starts to open or close.

Operation with the switch in the driver's door

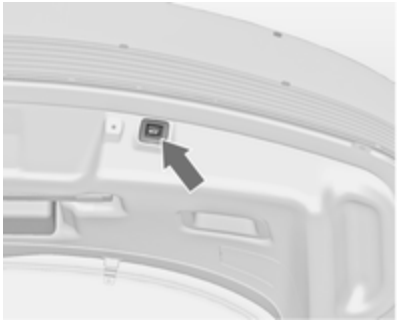


Press and hold button until tailgate starts to open or close.

Operation with switches in the tailgate

To open the tailgate, push and hold the touchpad switch under the tailgate moulding until tailgate starts to move.

Back to overview



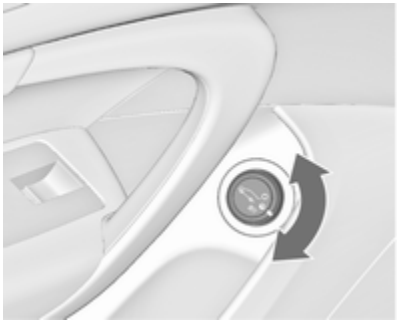
To close, press and hold the button in the open tailgate until it starts to move.

Stop or change direction of movement

Pressing button or or touchpad switch whilst moving, the tailgate will stop in the current position. Pressing button or again will reverse the direction of movement.

Operation modes

The power tailgate has three modes of operation, which are controlled by the switch in the driver's door. To change the mode turn the switch:



- Normal mode o: power tailgate opens to full height
- Intermediate mode ☯: power tailgate opens to a reduced height that can be adjusted
- Mode **Off**: tailgate can be operated manually.

Adjust reduced opening height in intermediate mode

1. Turn operation mode switch to o or ☯
2. Open power tailgate with any operation switch
3. Stop movement at the desired height by pressing any operation switch. If required, manually move the stopped liftgate to the desired position
4. Press and hold the button on the inside of the open tailgate for 3 seconds.

Back to overview

The turn signals will flash and a chime will sound to indicate the new programmed setting.

When turning the adjuster wheel in the driver's door to intermediate mode ☯, the power tailgate will stop opening at the newly set position.

There is a minimum open angle that the system will hold the tailgate open. The opening height cannot be programmed below that angle.

Safety function

If the power tailgate encounters an obstacle during opening or closing, the direction of movement will automatically be reversed to open or close slightly. Multiple obstacles in one power cycle will deactivate the function. In this case close or open the tailgate manually.

Power tailgate has pinch sensors on the side edges. If the sensors detect obstacles between tailgate and chassis, the tailgate will open, until it is activated again or closed manually.

Safety function is indicated as a message in the Driver Information Center and by warning chimes.

Remove all obstacles for resuming normal power operation.

If the vehicle is equipped with a factory-fitted towing equipment, the operation of the power tailgate is automatically deactivated, when towing a trailer.

General hints for operating tailgate

⚠Warning

Do not drive with the tailgate open or ajar, e.g. when transporting bulky objects, since toxic exhaust gases, which can not be seen or smelled, could enter the vehicle. This can cause unconsciousness and even death.

Caution

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

Note

Power tailgate: if the support struts of the open tailgate loose pressure, the taillights will flash and a chime will sound. The tailgate will remain open for a while and then close slowly. Seek the assistance of a workshop.

Note

The operation of the power tailgate is disabled under low battery condition. In this case the tailgate can be operated manually.

Note

Having the power tailgate disabled and all doors unlocked, the tailgate can be manually operated. In this case the manual efforts will be higher than a non power tailgate.

Back to overview

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 or 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 15 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

Back to overview

Activation

- Self-activated 30 seconds after locking the vehicle (initialisation of the system)
- Directly by pressing on the radio remote control once more after locking
- 30 seconds after locking if the function "automatic locking when leaving the vehicle" is activated

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 people or animals are being left in the vehicle, because of high volume ultrasonic signals, movements triggering the alarm and when the vehicle is on a ferry or train.

1. Close tailgate, bonnet, windows and sunroof.
2. Press button . LED in the button illuminates for maximum 10 minutes.
3. Close doors.
4. Activate the anti-theft alarm system.

Status message is displayed in the Driver Information Center.

Status LED

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

Back to overview

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

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

Status after system is armed:

LED flashes slowly	=	system is armed.
LED flashes quickly 3 times after unlocking	=	system is disarmed.

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

Deactivation

Unlocking the vehicle deactivates anti-theft alarm system.

Alarm

When triggered, the alarm sounds via a separate battery-backed power sounder, and the hazard warning lights flash simultaneously. The number and duration of alarm signals are stipulated by legislation.

The alarm can be silenced by pressing any button of the radio remote control or by switching on the ignition.

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

Immobiliser

The system is integrated into the ignition switch and checks whether the vehicle is allowed to start with the key being used. If the transponder in the key is recognized, the engine can be started.

The electronic immobiliser activates itself 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 then 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

The immobiliser does not lock the doors. You should always lock the vehicle after leaving it and switch on the anti-theft alarm system ⇨ 21, ⇨ 28.

Control indicator ⇨ 87.

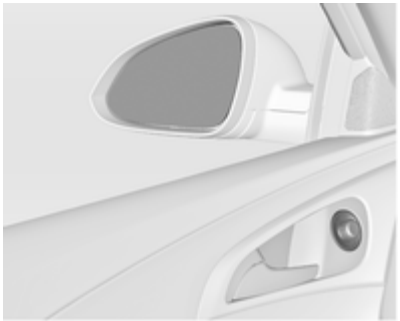
Back to overview

Exterior mirrors

Convex shape

The convex exterior mirror reduces blind spots. The shape of the mirror makes objects appear smaller, which will affect the abilty to estimate distances.

Electric adjustment



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

In position **0** no mirror is selected.

Folding

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

Turn control to **O**, 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.

Back to overview

Folding mirrors from outside

Press and hold button to fold in mirrors.

Press and hold button to fold out mirrors.

At the same time the windows are closed or opened ⇨ 33.

Release button to stop mirror movement.

If the mirrors were folded in via the control in the driver's door, they are not folded out by pressing .

Activation or deactivation of this function can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

The settings can be saved for the key being used ⇨ 21.

Heated

Operated by pressing the button.

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

Parking assist

Both exterior mirrors are automatically aimed at the rear tyres as a parking aid when reverse gear is selected, except during trailer operation.

Activation or deactivation of this function can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

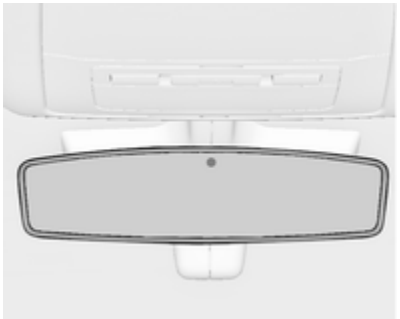
Back to overview

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

Manual windows

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

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.

Power windows can be operated:

- with ignition on,
- within 10 minutes of switching ignition off,
- within 5 minutes of opening a door.

Back to overview

After switching off the ignition, window operation is disabled when the driver's door is opened, then closed and locked.

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 switch is operated.

Pushing or pulling firmly to the second detent and then releasing: window moves up or down automatically with enabled safety function. 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, pull and hold the switch. The window moves up without safety function. To stop movement, release and pull the switch once more.

Child safety system for rear windows

Press switch 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.

Back to overview

Press and hold button to open windows.

Press and hold button to close windows.

Release button to stop window movement.

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 or a warning code is displayed in the Driver Information Center.

Vehicle messages ⇨ 90.

Activate the window electronics as follows:

1. Close doors.
2. Switch on ignition.
3. Close the window completely and keep the switch pulled for additional 2 seconds.
4. Repeat for each window.

Heated rear window

Operated by pressing the button.

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

Depending on the engine type, the heated rear window comes on automatically when the diesel particle filter is being cleaned.

Sun visors

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

Back to overview

Sun visors swivelled to the side can be adjusted in length.

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

Roller blinds

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

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.

Sunroof, Saloon

Open or close

Press ⌓ or ⌒ gently to the first detent: sunroof is opened or closed with enabled safety function as long as the switch is operated.

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

Raise or close

Press ⌓ or ⌒: sunroof is raised or closed automatically with enabled safety function.

If the sunroof is raised, it can be opened in one step by pushing ⌓.

Sunblind

The sunblind is manually operated.

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

Back to overview

Sunroof, Station wagon

Open

Press ⇦ gently to the first detent: sunroof is opened to the spoiler position.

Press ⇦ firmly to the second detent and then release: the sunroof is opened automatically with enabled safety function. To stop movement, operate the switch once more.

Close

Press ⇨ gently to the first detent: sunroof is closed from full open or spoiler position with enabled safety function as long as the switch is operated.

Press ⇨ firmly to the second detent and then release: the sunroof is completely closed automatically with enabled safety function. To stop movement, operate the switch once more.

Sunblind

The sunblind is power operated.

Close or open the sunblind by pressing button ⇩ or ⇧.

Safety function

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

General hints

Function standby

The sunroof can be operated:

- with ignition on,
- within 10 minutes of switching ignition off,
- within 5 minutes of opening a door.

After switching off the ignition, sunroof operation is disabled when driver's door is opened, then closed and locked.

Safety function

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

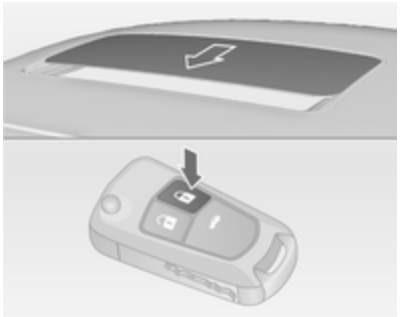
Back to overview

Override safety function

In the event of closing difficulties due to frost or the like, hold the switch pressed to the second detent. The sunroof closes without safety function. To stop movement, release the switch.

Closing sunroof from outside

The sunroof can be closed remotely from outside the vehicle.



Press and hold button to close the sunroof.

Release the button to stop the movement.

Initialising of the roof

If the sunroof cannot be closed (e.g. after disconnecting the vehicle battery), activate the sunroof electronics as follows:

- If sunroof is closed, keep the switch pressed for 10 seconds.
- If sunroof is open, keep the switch pressed until sunroof is fully closed. Then release switch shortly and press it again for 10 seconds.

Relearning of safety function

If the sunroof does not close correctly after initialising:

1. Open sunroof fully by pressing switch .
2. Release switch and then press again switch gently to the first detent for approx. 30 seconds. The switch can be released, when the sunroof is in closed position.

Initialising and relearning of the power operated sun blind

Repeat the previous steps using the switches for closing and for opening.

Back to overview

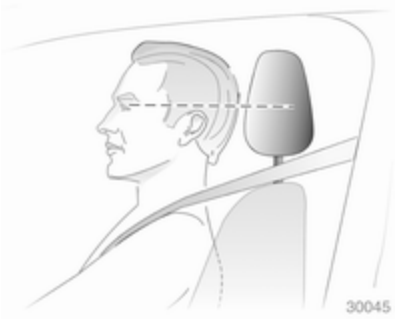
Seats, restraints

Head restraints

Position

⚠Warning

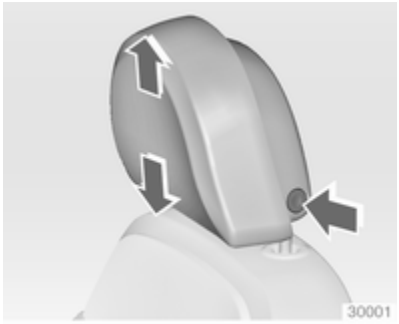
Only drive with the head restraint set to the proper position.



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

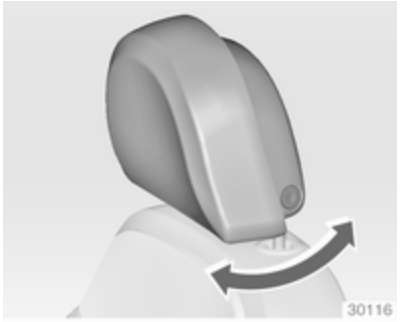
Adjustment

Head restraints on front seats



Height adjustment
Press the button, adjust height and engage.

Back to overview



Inclination adjustment
Swivel the bottom edge of the head restraint forwards or rearwards.

Active head restraints on front seats
In the event of a rear-end impact, the active head restraints are moved slightly forwards. The head is more effectively supported so the risk of whiplash injury is reduced.

Note
Approved accessories may only be attached to the front passenger head restraint if the seat is not in use.

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.

- Sit with buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that legs are slightly angled when pressing the pedals. Slide the front passenger seat as far back as possible.

Back to overview

- Sit with shoulders as far back against the backrest as possible. Set the backrest rake so that it is possible to easily reach the steering wheel with arms slightly bent. Maintain contact between shoulders and the backrest when turning the steering wheel. Do not angle the backrest too far back. We recommend a maximum rake of approx. 25°.
- Adjust the steering wheel ⇨ 72.
- 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.
- Adjust the head restraint ⇨ 39.
- Adjust the height of the seat belt ⇨ 47.
- 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.

Seat adjustment

⚠ Danger

Do not sit nearer than 25 cm (10 inches) from the steering wheel, to permit safe airbag deployment.

⚠ Warning

Never adjust seats while driving as they could move uncontrollably.

Seat positioning

Pull handle, slide seat, release handle.

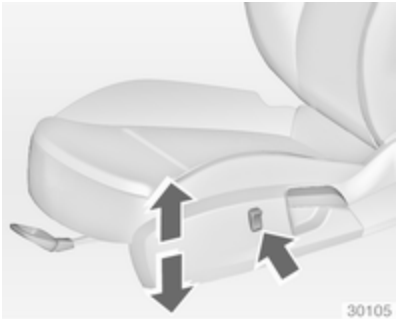
Back to overview

Seat backrests

Pull lever, adjust inclination and release lever. Allow the backrest to engage audibly.

Do not lean on backrest when adjusting.

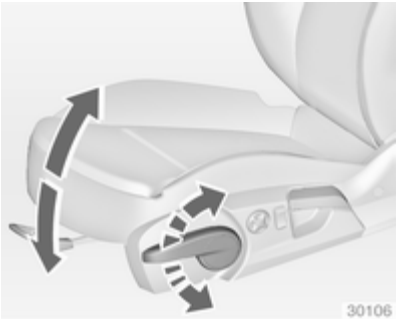
Seat height



Press switch

top = seat higher
bottom = seat lower

Seat inclination



Lever pumping motion

up = front end higher
down = front end lower

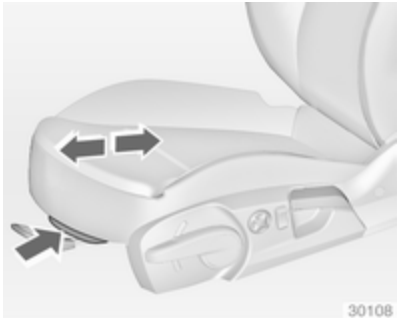
Back to overview

Lumbar support

Adjust lumbar support using 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



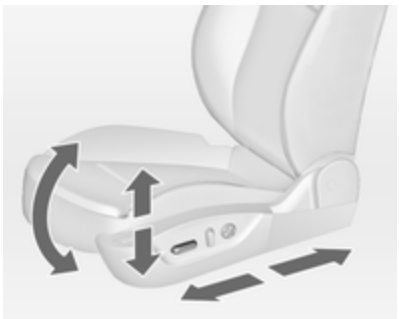
Pull the lever and slide the thigh support.

Power seat adjustment

⚠Warning

Care must be taken when operating the power seats. There is a risk of injury, particularly for children. Articles could become trapped.

Keep a close watch on the seats when adjusting them. Vehicle passengers should be informed accordingly.



Back to overview

Seat positioning
Move front of switch forwards/ backwards.

Seat height
Move switch upwards/downwards.

Seat inclination
Move switch upwards/downwards at front.

Seat backrests

Turn switch forwards/backwards.

Memory function for power seat adjustment and exterior mirrors
Two different seat and mirror settings can be stored.

Memorised settings ⇨ 21, Vehicle personalisation ⇨ 97.

Storing settings
- Adjust driver seat first and then exterior mirrors.
- Keep memory button **MEM** pressed and then press position button to be used (**1** or **2**). Storage is acknowledged by an acoustic signal.

Retrieving settings
- Keep position button **1** or **2** pressed until the stored seat and mirror positions have been reached.

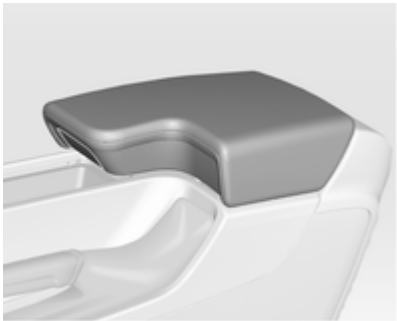
Easy exit function
For easy exit from the vehicle, the power driver seat moves rearwards when vehicle is stationary, the key is out of the ignition switch and the driver's door is opened.

Activation or deactivation of this function can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

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

Back to overview

Armrest



Push button and fold armrest upwards. Under the armrest there is a storage compartment.

Auxiliary devices ⇨ 112.

Heating

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

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

Seat heating is operational when engine is running.

Ventilating

Adjust ventilation to the desired setting by pressing the button for the driver seat one or more times with the ignition on.

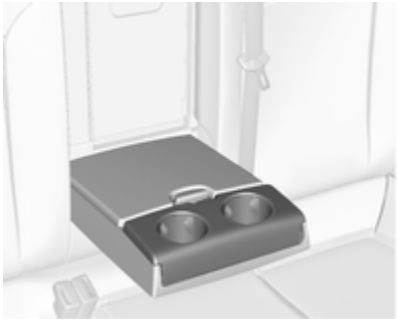
The control indicator in the display indicates the setting.

Ventilated driver seat is operational when engine is running.

Back to overview

Rear seats

Armrest



Fold armrest down. The armrest contains cupholders and a storage box.

Seat belts

The belts are locked during heavy acceleration or deceleration of the vehicle for the safety of the occupants.

⚠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 belt reminder ⇨ 83.

Seat belts are only designed for use by one person at a time. They are not suitable for people younger than 12 years of age or smaller than 150 cm (59 inches).

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

Have damaged components replaced. After an accident, have the belts and triggered belt tensioners 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.

Belt force limiters

In the front seats, stress on the body is reduced by the gradual release of the belt during a collision.

Back to overview

Belt tensioners

In the event of a head-on or rear-end collision of a certain severity, the front seat belts are tightened.

⚠Warning

Incorrect handling (e.g. removal or fitting of belts) can trigger the belt tensioners with risk of injury.

Deployment of the belt tensioners is indicated by illumination of control indicator ⇨ 83.

Triggered belt tensioners must be replaced by a workshop. Belt tensioners can only be triggered once.

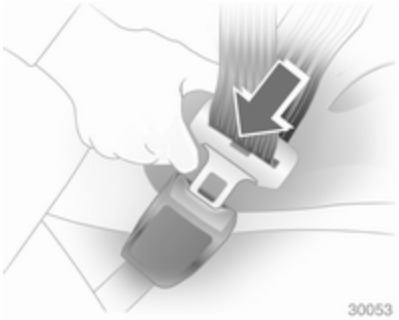
Note

Do not affix or install accessories or other objects that may interfere with the operation of the belt tensioners. Do not make any modifications to belt tensioner components as this will invalidate the vehicle type approval.

Three-point seat belt

Fitting

Withdraw belt from retractor, guide it untwisted across the body and insert the latch plate in the buckle. Tension the lap belt regularly whilst driving by tugging 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.

Back to overview

⚠Warning

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

Height adjustment

1. Pull belt out slightly.
2. Press button.
3. Adjust height and engage.

Adjust the height so that the belt lies across the shoulder. It must not lie across the throat or upper arm.

Do not adjust while driving.

Removing

To release belt, press red button on belt buckle.

Seat belts on the rear seats

The seat belt for the rear centre seat can only be withdrawn from the retractor if the backrest is in the rear position.

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.

Back to overview

Airbag system

The airbag system consists of a number of individual systems.

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 tensioner 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.

Do not make any modifications to the airbag system as this will invalidate the vehicle type approval.

In the event of airbag deployment have the steering wheel, the instrument panel, all panelling parts, the door seals, the handles and the seats removed by a workshop.

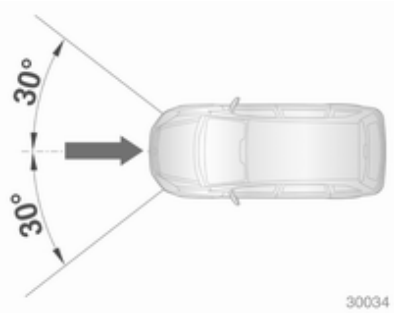
Control indicator for airbag systems ⇨ 83.

Front airbag system

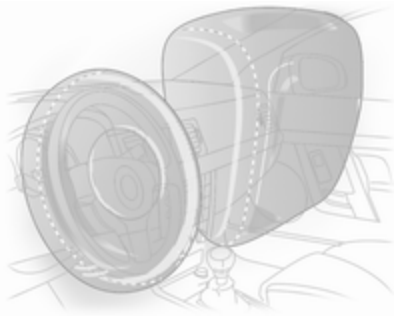
The front airbag system consists of one airbag in the steering wheel and one in the instrument panel on the front passenger side. These can be identified by the word **AIRBAG**.

There is also a warning label on the side of the instrument panel, visible when the front passenger door is open.

Back to overview



The front airbag system is triggered in the event of an accident of a certain severity in the depicted area. The ignition must be on.



The forward movement of the front seat occupants is decelerated, thereby considerably reducing the risk of injury to the upper body and head.

⚠Warning

Optimum protection is only provided when the seat is in the proper position ⇨ 40.

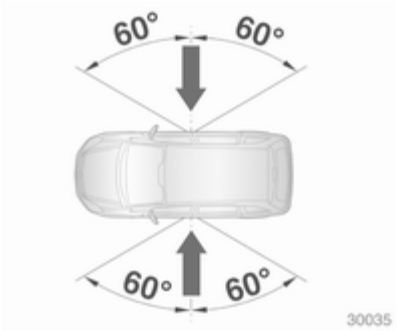
Keep the area in which the airbag inflates clear of obstructions.

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

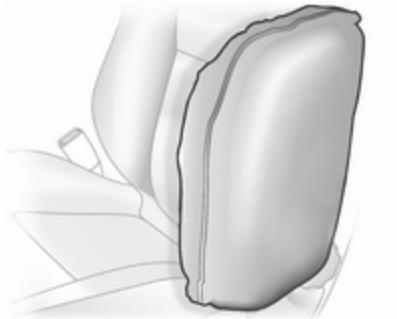
Side airbag system

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

Back to overview



The side airbag system is triggered in the event of an accident of a certain severity in the depicted area. The ignition must be on.



The risk of injury to the upper body and pelvis in the event of a side-on collision is considerably reduced.

⚠Warning

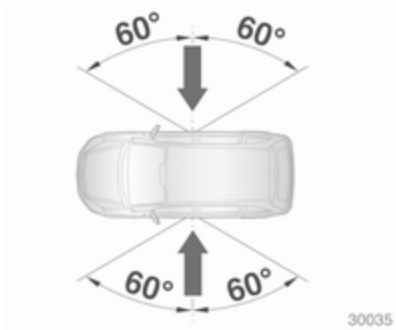
Keep the area in which the airbag inflates clear of obstructions.

Note

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

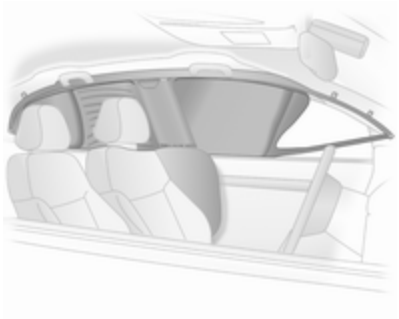
Curtain airbag system

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 an accident of a certain severity in the depicted area. The ignition must be on.

Back to overview



The risk of injury to the head in the event of a side impact is considerably reduced.

⚠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

Front airbag and side airbag systems for the front passenger seat have to be deactivated if a child restraint system is to be fitted on this seat. The curtain airbag system, the belt tensioners and all driver airbag systems will remain active.

Front passenger airbag system can be deactivated via a lock on the side of the instrument panel, visible when the front passenger door is open.

Use the ignition key to choose the position:

- = front passenger airbags are deactivated and will not inflate in the event of a collision. Control indicator illuminates continuously. A child restraint system can be installed in accordance with the chart **Child restraint installation locations** ⇨ 55.
- = front passenger airbags are active. No child restraint systems can be installed.

Back to overview

As long as the control indicator is not illuminated, the airbag systems for the front passenger seat will inflate in the event of a collision.

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

Status remains until the next change.

Control indicator for airbag deactivation ⇨ 84.

Child restraints

Child restraint systems

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.

⚠ Warning

When using a child restraint system on the front passenger seat, the airbag systems for the front passenger seat must be deactivated; if not, the triggering of the airbags poses a risk of fatal injury to the child.

This is especially the case if rear-facing child restraint systems are used on the front passenger seat.

Selecting the right system

Children should travel facing rearwards in the vehicle, until as old as possible. It is approp'riate to change the system when the child's head can no longer be properly supported at eye height. The childs cervical vertebrae are still very weak and in an accident they suffer less stress in the semi-prone rearward position than when sitting upright.

Children under 12 years or under 150 cm (59 inches) tall should only travel in an appropriate child restraint system.

When transporting children, use the child restraint systems suitable for the child's weight.

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.

Only allow children to enter and exit the vehicle at the side facing away from the traffic.

Back to overview

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 stick 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.

Back to overview

Child restraint installation locations

Permissible options for fitting a child restraint system

Weight and age class	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	X	U[1], U[2]	U[2]	U[2]
Group 0+: up to 13 kg or approx. 2 years	X	U[1], U[2]	U[2]	U[2]
Group I: 9 to 18 kg or approx. 8 months to 4 years	X	U[1], U[2]	U[2]	U[2]
Group II: 15 to 25 kg or approx. 3 to 7 years	X	X	U	U
Group III: 22 to 36 kg or approx. 6 to 12 years	X	X	U	U

[1] = Only if front passenger seat airbag systems are deactivated. If the child restraint system is being secured using a three-point seat belt, move seat height adjustment to uppermost position and ensure that vehicle safety belt runs forwards from the upper anchorage point.
[2] = Seat available with ISOFIX and Top-Tether mounting brackets.
U = Universal suitability in conjunction with three-point seat belt.
X = No child restraint system permitted in this weight class.

Back to overview

Permissible options for fitting an ISOFIX child restraint system

Weight class	Size class	Fixture	On front passenger seat[1)]	On rear outboard seats	On rear centre seat
Group 0: up to 10 kg	E	ISO/R1	IL	IL	IL
Group 0+: up to 13 kg	E	ISO/R1	IL	IL	IL
	D	ISO/R2	X	IL	IL
	C	ISO/R3	X	IL	IL
Group I: 9 to 18 kg	D	ISO/R2	X	IL	IL
	C	ISO/R3	X	IL	IL
	B	ISO/F2	IL	IL, IUF	IL, IUF
	B1	ISO/F2X	IL	IL, IUF	IL, IUF
	A	ISO/F3	IL	IL, IUF	IL, IUF

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.
IUF = Suitable for ISOFIX forward-facing child restraint systems of universal category approved for use in this mass group.
X = No ISOFIX child restraint system approved in this weight class.

1) The ISOFIX anchorages, except for sport seats, can be retrofitted by a workshop.

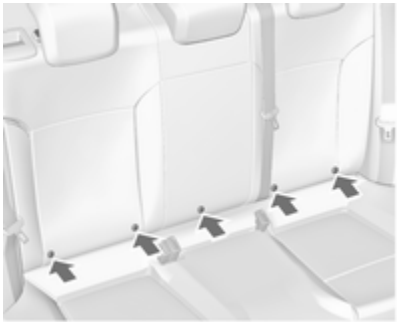
Back to overview

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 13 kg.
D – ISO/R2 = Rear-facing child restraint system for smaller children in the weight class up to 13 kg.
E – ISO/R1 = Rear-facing child restraint system for young children in the weight class up to 13 kg.

Back to overview

Isofix child restraint systems



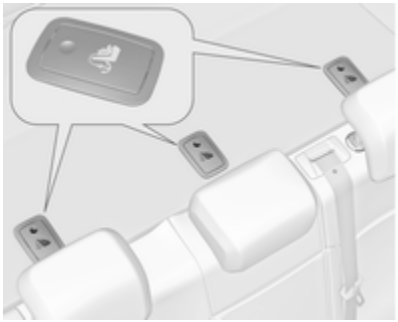
Fasten vehicle-approved ISOFIX child restraint systems to the mounting brackets.

It is not possible to install 3 ISOFIX child restraint systems in the rear seat row. Only 2 child seats on the outboard seats or 1 on the centre seat may be installed at any one time.

When using ISOFIX mounting brackets for seat mounting, universally approved child restraint systems for ISOFIX may be used.

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

Top-tether child restraint systems



Fasten Top-tether child restraint systems to the fastening eyes behind the rear head restraints or at the backside of the front passenger seat backrest. The strap must run between the two guide rods of the head restraint.

When using Top-tether for seat mounting, universally approved child restraint systems for Top-Tether may be used.

Top-tether mounting loops are indicated by labels on the load compartment cover or on the rear side of the backrests.

Back to overview

Storage

Storage compartments

Glovebox

The glovebox features a pen holder.

The glovebox should be closed whilst driving.

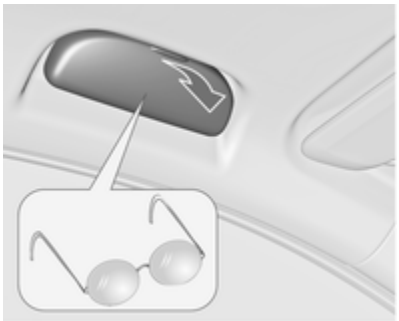
Cupholders

Cupholders are located in the centre console.

Back to overview

Additional cupholders are located in the rear armrest, when it is folded down.

Sunglasses storage

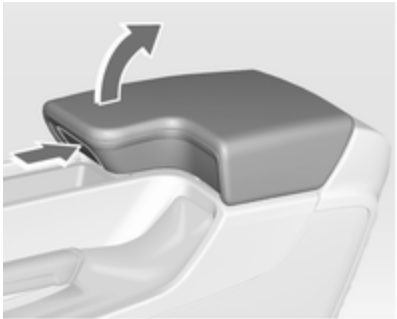


Fold down and open.

Do not use for storing heavy objects.

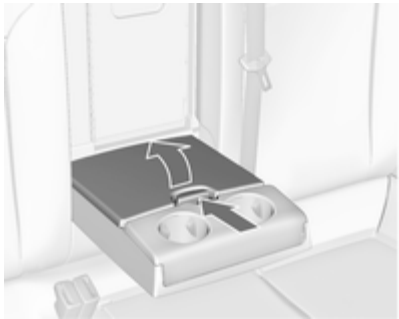
Armrest storage

Storage in the front armrest



Push button to fold up the armrest.

Storage in the rear armrest



Fold down armrest and open cover.

Close cover before folding the armrest up.

Back to overview

Load compartment

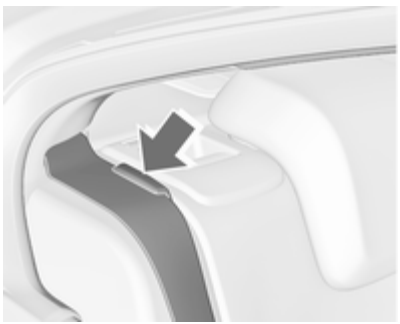
Folding down rear seat backrests

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

Remove load compartment cover as necessary.

Push head restraints down by pressing the catch.

Fold up rear armrest.



Put the seat belts of the outboard seats into belt guides.

Pull release lever onto one or both sides and fold down the backrests onto the seat cushion.

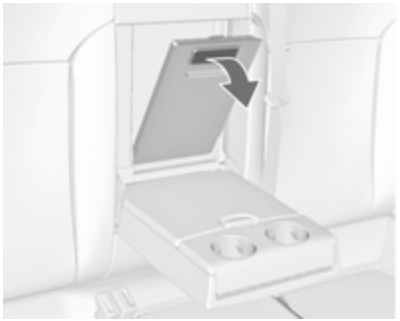
To fold up, raise backrests and guide them into upright position until they engage audibly.

Ensure seat belts of the outboard seats are placed in the corresponding belt guides.

The backrests are only engaged when the red marks on both sides near the release lever are not visible.

Opening the pass-through in the rear centre backrest

Fold down rear armrest.



Pull grip and open the cover.

Suitable for loading long, narrow objects.

Ensure the cover engages after folding up.

Back to overview

The closed cover can be secured from the side of the load compartment. Turn knob through 90°:

knob horizontal	=	cover secured from the side of the passenger room
knob vertical	=	cover not secured

Storage in the load compartment

Depending on the version, storage boxes are available under the load compartment cover.

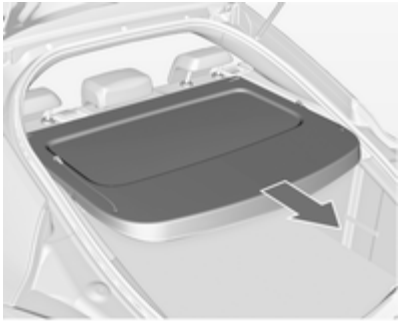
Load compartment cover

Do not place any objects on the cover.

5-door Saloon

Removing

Unhook retaining straps from tailgate.



Pull cover from the side guides.

Fitting

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

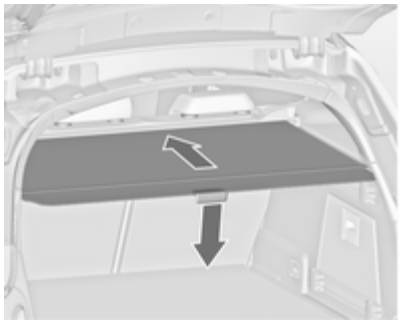
Station wagon

Closing

Pull the cover towards the rear using the handle until it engages in the sideward retainers.

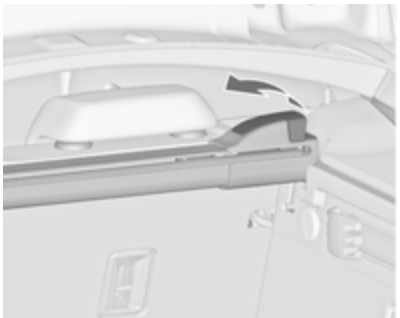
Back to overview

Opening



Pull down the handle at the end of the cover. It rolls up automatically.

Removing



Open the load compartment cover.

Pull the release lever on the right side up and hold. Lift cover firstly on right side and remove from retainers.

The removed cover can be stored under the load compartment floor ⇨ 66.

Installation

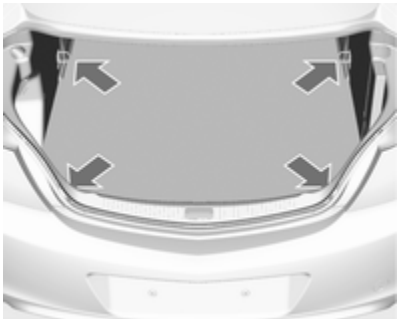
Insert the left side of the load compartment cover in the recess, pull the release lever up and hold, insert the right side of the load compartment cover and engage.

Blind at the tailgate

To cover the load compartment complete, mount the blind at four fixing points on the inside of the tailgate.

Back to overview

Lashing eyes



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

Cargo management system

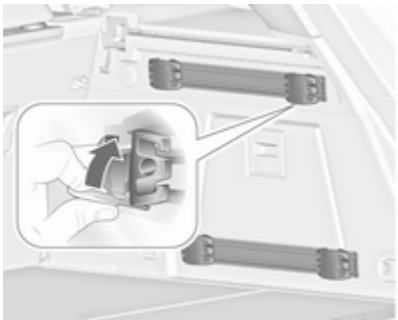
The FlexOrganizer is a flexible system for dividing the load compartment or securing loads.

The system consists of

- adapters,
- mesh pockets,
- hooks,
- service box,
- strap set.

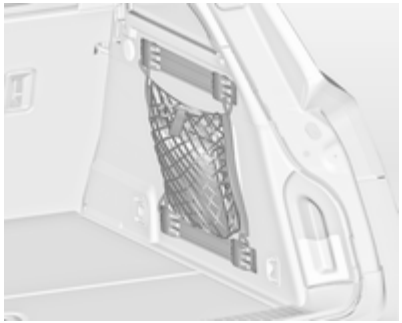
The components are fitted in rails on both side panels using adapters and hooks.

Installation of adapters in the rails



Fold open the handle plate, insert adapter into upper and lower groove of rail and move to required position. Turn handle plate upwards to lock the adapter. To remove turn handle plate upwards and move out of the rail.

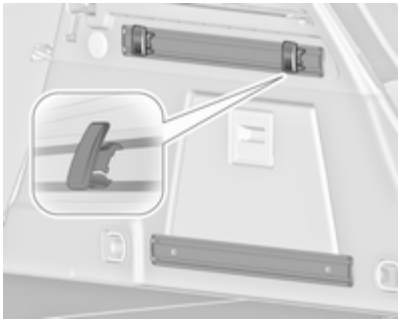
Net pocket



Insert adapters into required position in rails. Net pocket can be suspended from the adapters.

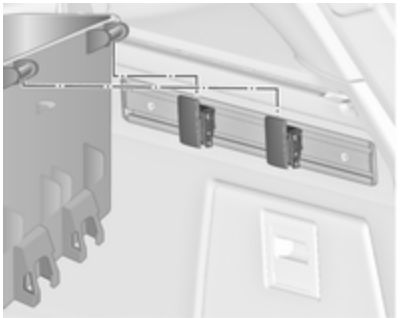
Back to overview

Installation of hooks in the rails

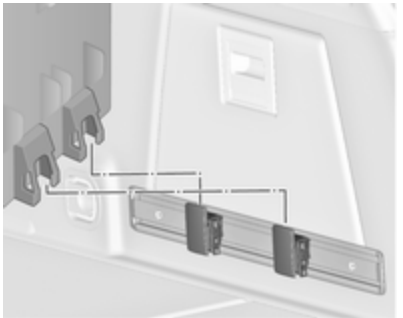


Insert the hook in the desired position firstly in the upper groove of the rail and then press in the lower groove. To remove firstly pull out of the upper groove.

Service box



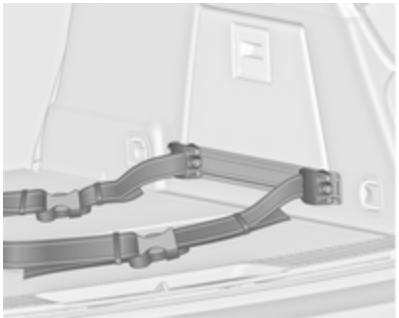
Install two hooks in the upper rail. Insert upper brackets of the box from above into the hooks.



Alternatively install both hooks in the lower rail. Plug in the lower brackets of the box from above into the lower hooks.

Back to overview

Strap set



Insert the adapters of the strap set in a rail. Be sure that the belt is not twisted.

The strap set has two locks to open.

The belt can be tightened.

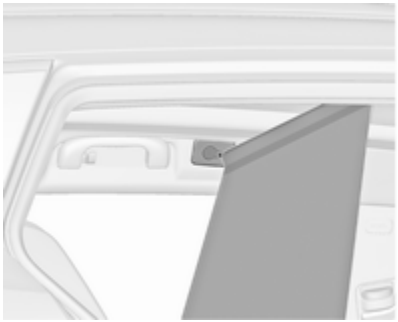
Safety net

Two different safety nets can be installed behind the front seats or the rear seats.

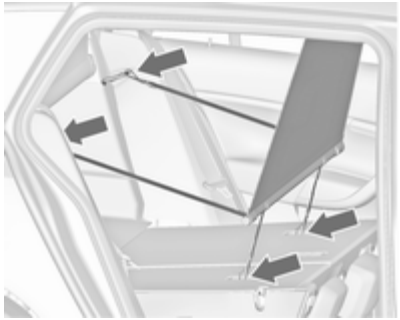
Passengers must not be transported behind the safety net.

Safety net behind the front seats

Push head restraints down and fold down rear seat backrests ⇨ 61.



Front installation openings in the roof frame: latch rod of the net at one side, compress rod and latch at the other side.



Fit the hooks of the small belts into the Top-Tether mounting loops on the back side of the folded rear seat backrests.

Fit the hooks of the wider belts into the locking devices of the rear seat backrests.

Back to overview

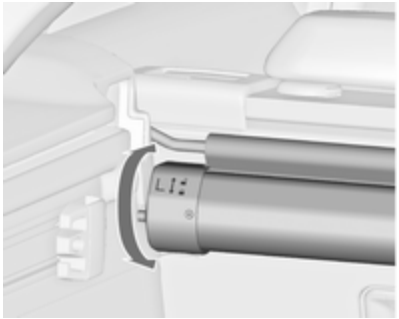
Safety net cassette behind the rear seats

Pull out the net from the cassette and latch rod of net at one side into the rear installation opening in the roof frame. Compress rod and latch at the other side.

Removal of the cassette

Roll up safety net.

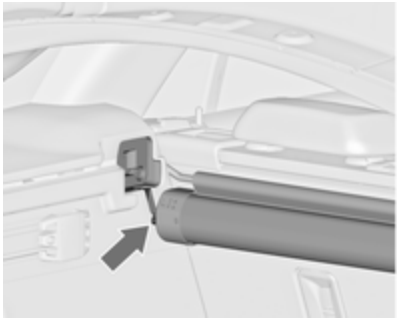
Remove load compartment cover ⇨ 62.



To unlock turn cassette slightly backwards and remove it upwards from the retainers.

Installation of the cassette

Remove load compartment cover.



Insert the cassette into the retainers on left and right side. Note the signs **L** (left side) and **R** (right side) on the cassette as installation hint.

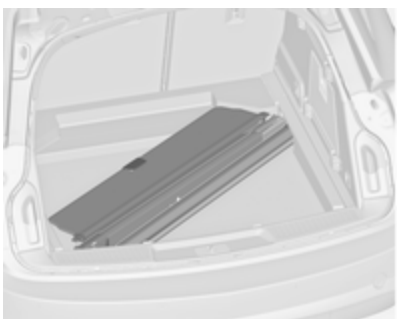
Turn cassette slightly forwards to lock.

Stowage of safety net and load compartment cover

Rear safety net cassette can be placed together with the load compartment cover under the load compartment floor.

Back to overview

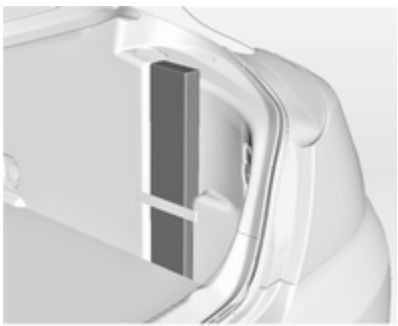
Open the load compartment floor by pulling the handle. Fold and place the floor behind the rear seats.



Put the load compartment cover with the upper side downwards and with the release lever in the front right edge into the hollow.

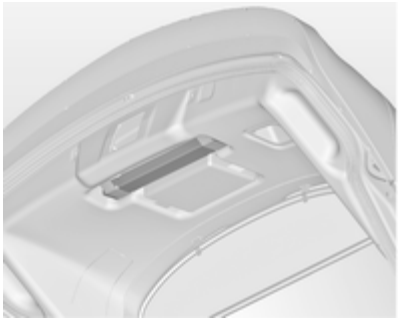
Warning triangle

Saloon



Stow the warning triangle in the space behind the strap on the right side of the load compartment.

Station wagon

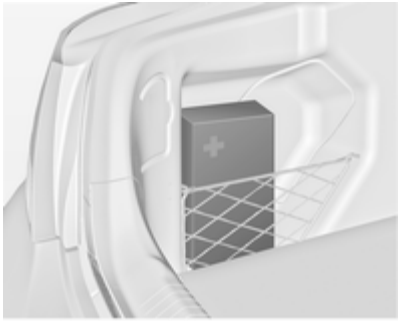


Stow the warning triangle in the space behind the straps on the inside of the tailgate.

Back to overview

First aid kit

Saloon



Stow the first aid kit in the space behind the mesh on the left side of the load compartment.

Station wagon

Stow the first aid kit in the space behind a strap on the inside of the tailgate.

Roof rack system

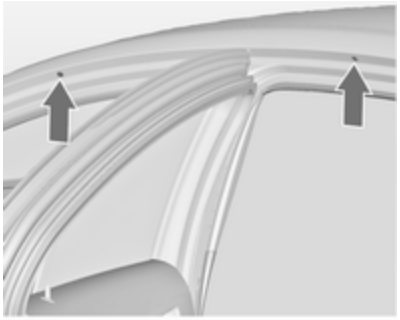
Roof rack

For safety reasons and to avoid damage to the roof, the vehicle approved roof rack system is recommended.

Follow the installation instructions and remove the roof rack when not in use.

Mounting roof rack

Saloon



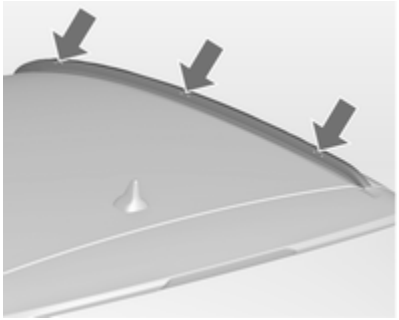
Open all doors.

Back to overview

Mounting points are located in each door frame of the vehicle body.

Detach the cover from each mounting point and fasten the roof rack with the attached screws.

Station Wagon with roof railing



To fasten the roof rack, insert the mounting bolts in the holes indicated in the figure.

Loading information

- Heavy objects in the load compartment should be placed against the seat backrests. Ensure the backrests are securely engaged. If objects can be stacked, the heavier objects should be placed at the bottom.
- Secure objects with lashing straps attached to lashing eyes ⇨ 64.
- Secure loose objects in load compartment to prevent sliding.
- When transporting objects in the load compartment, the backrests of the rear seats must not be angled forward.
- 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, 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.

Back to overview

- The payload is the difference between the permitted gross vehicle weight (see identification plate ⇨ 202) and the EC kerb weight.

  To calculate the EC kerb weight, enter the data for your vehicle in the Weights table, on page ⇨ 3.

  The EC kerb weight includes weights for the driver (68 kg), luggage (7 kg) and all fluids (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.

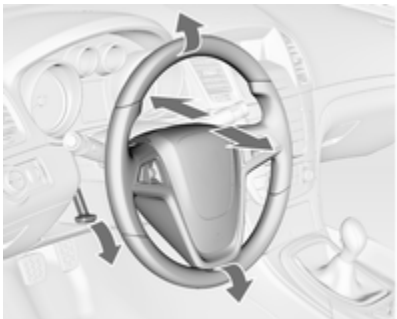
  The permissible roof load is 100 kg. The roof load is the combined weight of the roof rack and the load.

Back to overview

Instruments and controls

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

The Infotainment system, the Cruise control and the Traffic Sign Assistant system can be operated via the controls on the steering wheel.

Further information is available in the Infotainment system manual.

Cruise control ⇨ 137.

Traffic Sign Assistant system ⇨ 93

Back to overview

Horn

Press .

Windscreen wiper/washer

Windscreen wiper

2 = fast
1 = slow
= timed interval wiping
O = off

For a single swipe when the windscreen wiper is off, press the lever down.

Do not use if the windscreen is frozen.

Switch off in car washes.

Adjustable wiper interval

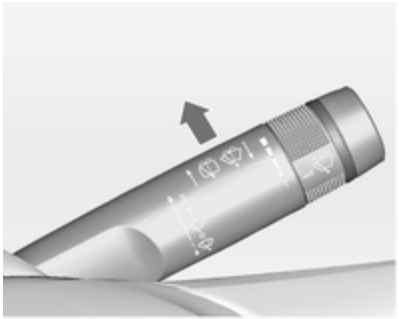
Wiper lever in position .

Turn the adjuster wheel to adjust the desired wipe interval:

short interval = turn adjuster wheel upwards
long interval = turn adjuster wheel downwards

Back to overview

Automatic wiping with rain sensor



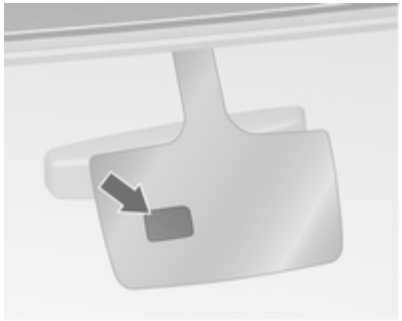
= automatic wiping with rain sensor

The rain sensor detects the amount of water on the windscreen and automatically regulates the frequency of the windscreen wiper.

Adjustable sensitivity of the rain sensor

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.

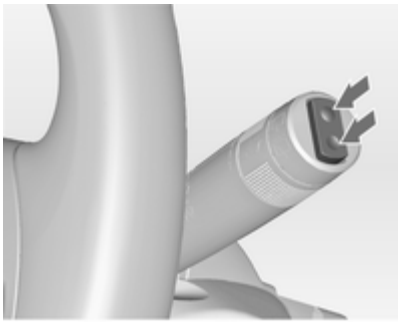
Windscreen washer

Back to overview

Pull lever. Washer fluid is sprayed onto the windscreen and the wiper swipes for a few strokes.

If the headlights are on, washer fluid is also sprayed on the headlights. The headlight washer system is then inoperable for 2 minutes.

Rear window wiper/washer



Push the rocker switch to activate the rear window wiper:

upper position	=	continuous operation
lower position	=	intermittent operation
middle position	=	off

Push lever. Washer fluid is sprayed on the rear window and the wiper swipes for a few strokes.

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 ⇨ 97.

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

Outside temperature

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

Back to overview

If outside temperature drops to 3 °C, the symbol illuminates in the Driver Information Center with Uplevel-Display or in the Info-Display as a warning for icy road conditions. remains illuminated until temperatures reach at least 5 °C.

Additionally a warning message is displayed in the Driver Information Center with Uplevel-Display.

⚠Warning

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

Clock

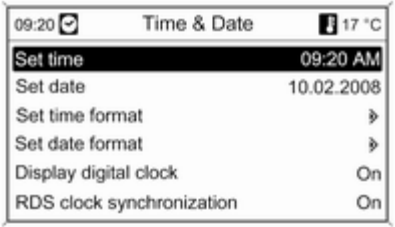
Date and time are shown in the Info-Display.

Set date and time

Press the **CONFIG** button. The menu **Settings** is displayed.

Select **Time & Date**.

Vehicle personalisation ⇨ 97.



Settings for time and date can be adjusted.

See Infotainment system manual for further information.

RDS clock synchronization

The RDS signal of most VHF transmitters automatically sets the time.

Some transmitters do not send a correct time signal. In such cases, it is recommended to switch off automatic time synchronisation.

Back to overview

Power outlets

12 V power outlets are located in the front and rear centre console.

Do not exceed the maximum power consumption of 120 watts.

A 230 V power outlet is located in the rear centre console. If ignition is on and a device is plugged in, an LED in the outlet illuminates green.

Do not exceed the maximum power consumption of 150 watts.

⚠ Danger
Power outlet works under high electrical voltage!

With ignition off the power outlets are deactivated. Additionally the power outlets are deactivated in the event of low 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.

Back to overview

Cigarette lighter

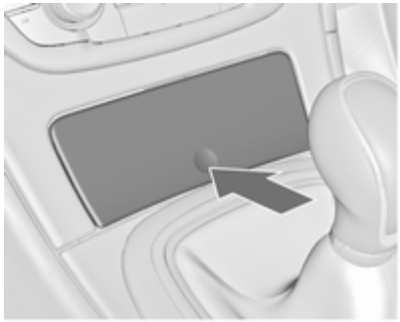
The cigarette lighter is located behind the ashtray cover.

Press ashtray cover to open.

Press in cigarette lighter. Switches off automatically once the element is glowing. Pull out lighter.

Ashtrays

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



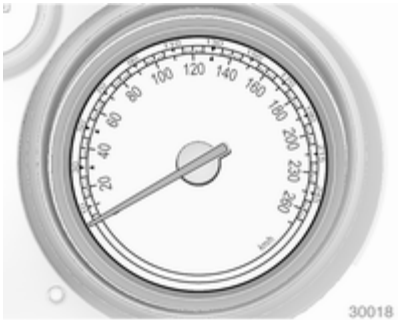
Press ashtray cover to open.

To empty, grip both sides of the ashtray insert and remove.

Back to overview

Warning lights, gauges and indicators

Speedometer



Indicates vehicle speed.

Odometer

The bottom line displays the recorded distance.

Trip odometer

The top line displays the recorded distance since the last reset.

To reset, hold the reset knob depressed for a few seconds with the ignition on.

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.

Back to overview

Fuel gauge

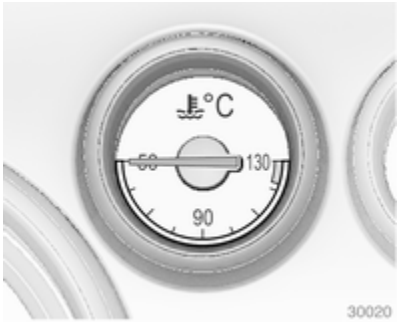
Displays the fuel level in the tank.

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

Never run the tank dry.

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

Engine coolant temperature gauge



Displays the coolant temperature.

left area	=	engine operating temperature not yet reached
central area	=	normal operating temperature
right area	=	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 lets you know 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.

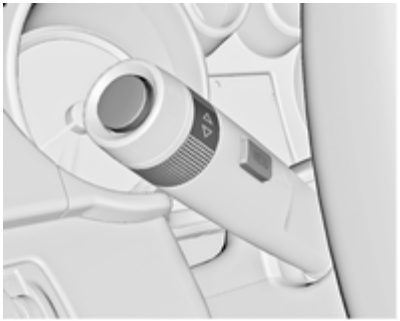
Back to overview

In the Uplevel-Display the remaining oil life duration is displayed in the **Vehicle Information Menu**.

In the Midlevel-Display the remaining engine oil duration is displayed by the control indicator .

The menu and function can be selected via the buttons on the turn signal lever.

To display the remaining engine oil duration:



Press the **MENU** button to select the **Vehicle Information Menu**.

Turn the adjuster wheel to select the oil life system.

For the system to work properly, it must be reset every time the engine oil is changed. Seek the assistance of a workshop.

Press the **SET/CLR** button to reset while applying the brake pedal.

When the system has calculated that engine oil life has been diminished, **Change Engine Oil Soon** or a warning code appears in the Driver Information Center. Have engine oil and filter changed by a workshop within one week or 500 km (300 miles) (whichever occurs first).

Driver Information Center ⇨ 88.

Service information ⇨ 190.

Control indicators

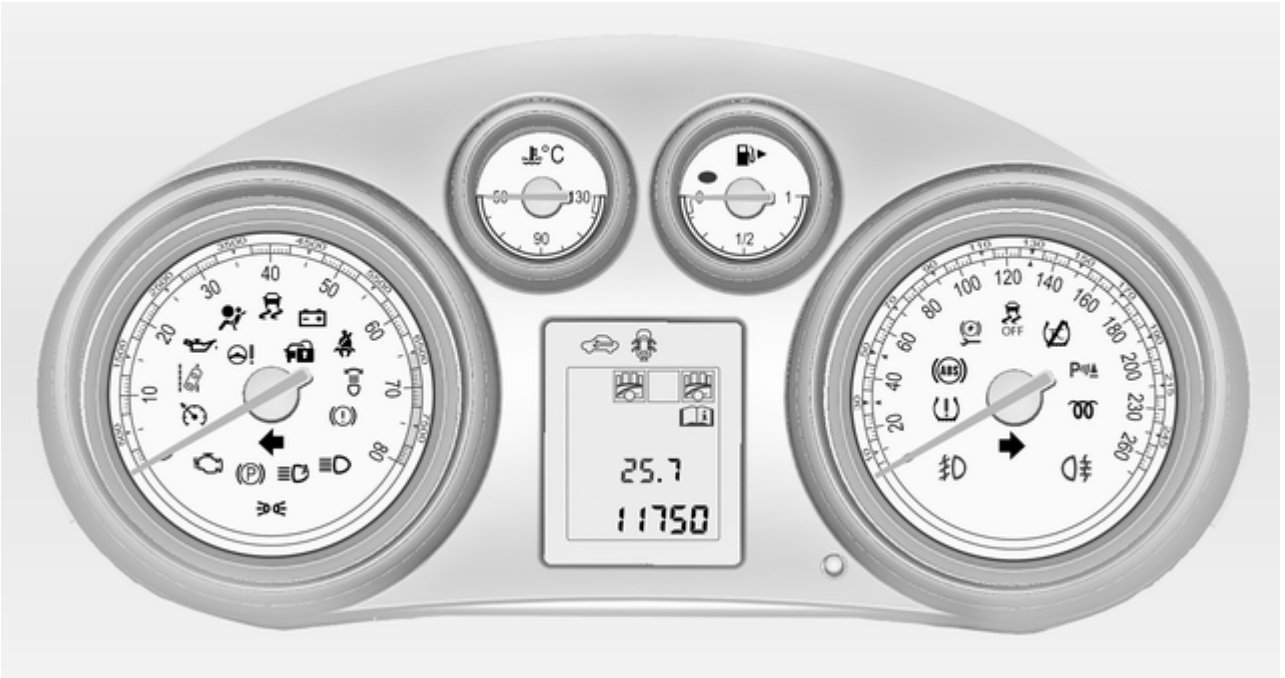
The control indicators described are not present in all vehicles. The description applies to all instrument versions. When the ignition is switched on, most control indicators will illuminate briefly as a functionality test.

The control indicator colours mean:

red	=	danger, important reminder
yellow	=	warning, information, fault
green	=	confirmation of activation
blue	=	confirmation of activation

Back to overview

Control indicators in the instrument cluster



Back to overview

Control indicators in the centre console

Turn signal

⇦⇨ illuminates or flashes green.

Illuminates

The control indicator illuminates briefly when the parking lights are switched on.

Flashes

The control indicator flashes if 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 ⇨ 156, Fuses ⇨ 165.

Turn signals ⇨ 105.

Seat belt reminder

Seat belt reminder on front seats

for driver's seat illuminates or flashes red.

²) for front passenger seat illuminates or flashes red, when seat is occupied.

Illuminates

After the ignition is switched on until the seat belt is fastened.

Flashes

After starting off until the seat belt is fastened.

Seat belt reminder on rear seats

or , depending on the display, flashes or illuminates.

Illuminates

After the ignition is switched on when the seat belt is fastened.

Flashes

After starting off when the seat belt is unfastened.

Fastening the seat belt ⇨ 47.

Airbag and belt tensioners

illuminates red.

When the ignition is switched on, the control indicator illuminates for approx. 4 seconds. If it does not illuminate, does not go out after 4 seconds or illuminates whilst driving, there is a fault in the belt tensioner, the airbags or the seat occupancy recognition system. The airbags and belt tensioners may fail to trigger in the event of an accident.

Deployment of the belt tensioners or airbags is indicated by continuous illumination of .

Back to overview

⚠Warning

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

Belt tensioners, airbag system ⇨ 46, ⇨ 49.

Airbag deactivation

for front passenger airbag illuminates yellow.

When the control indicator illuminates the front passenger airbag is activated.

for front passenger airbag illuminates yellow.

When the control indicator illuminates the front passenger airbag is deactivated.

Charging system

illuminates red.

Illuminates when the ignition is switched on and goes out shortly after the engine starts.

Illuminates when the engine is running

Stop, switch off engine. 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 goes out 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 immediate assistance of a workshop.

Service vehicle soon

illuminates yellow when the vehicle needs a service.

Illuminates in combination with a warning message or a warning code.

Vehicle messages ⇨ 90.

Brake and clutch system

illuminates red.

Illuminates when the manual parking brake is released if the brake and clutch fluid level is too low ⇨ 154.

⚠Warning

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

Illuminates after the ignition is switched on if the manual parking brake is applied ⇨ 132.

Electrical parking brake

illuminates or flashes red.

Back to overview

Illuminates
Electrical parking brake is applied ⇨ 132.

Flashes
Electrical parking brake is not fully applied or released. Switch on ignition, press foot brake pedal and attempt to reset the system by first releasing and then applying the electrical parking brake. If (P) remains flashing, do not drive and seek the assistance of a workshop.

Electrical parking brake fault
(P) illuminates or flashes yellow.

Illuminates
Electrical parking brake is operating with degraded performance ⇨ 132.

Flashes
Electrical parking brake is in service mode. Stop vehicle, apply and release the electrical parking brake to reset.

⚠Warning

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

Antilock brake system (ABS)
(ABS) illuminates yellow.

Illuminates for a few seconds after the ignition is switched on. The system is ready for operation when the control indicator goes out.

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 ⇨ 131.

Variable effort steering
illuminates yellow.

Fault in variable effort steering system. This may lead to a higher or lower steering effort. Consult a workshop.

Lane departure warning
illuminates green or yellow or flashes yellow.

Illuminates green
System is switched on and ready to operate.

Flashes yellow
System recognizes an unintendent lane change.

Illuminates yellow
No lane marking is detected.

Ultrasonic parking assist
P illuminates yellow.

Fault in system

or

Fault due to sensors that are dirty or covered by ice or snow

or

Back to overview

Interference due to external sources of ultrasound. Once the source of interference is removed, the system will operate normally.

Have the cause of the fault in the system remedied by a workshop.

Ultrasonic parking assist ⇨ 138.

Electronic Stability Control

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 off

flashes yellow.

Flashes when the system is deactivated.

Traction Control system off

flashes yellow.

Flashes when the system is deactivated.

Preheating and diesel particle filter

illuminates or flashes yellow.

Illuminates

Preheating activated. Only activates when outside temperature is low.

Flashes

If the diesel particle filter requires cleaning and previous driving conditions did not permit automatic cleaning. Continue driving and if possible do not allow engine speed to drop below 2000 rpm.

goes off as soon as the self-cleaning operation is complete.

Diesel particle filter ⇨ 124.

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 - 90 seconds the control indicator illuminates continuously. Consult a workshop.

Engine oil pressure

illuminates red.

Illuminates when the ignition is switched on and goes out shortly after the engine starts.

Back to overview

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. 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 ⇨ 152.

Low fuel

⬬ illuminates yellow.

Illuminates when level in fuel tank is too low.

Catalytic converter ⇨ 125.

Bleeding the diesel fuel system ⇨ 155.

Immobiliser

flashes yellow.

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

Apply footbrake

illuminates yellow.

Illuminates when brake pedal needs to be depressed to release the electrical parking brake ⇨ 132.

Exterior light

illuminates green.

Illuminated when the exterior lights are on ⇨ 101.

illuminates green.

Illuminated when the automatic light control is switched on ⇨ 102.

High beam

illuminates blue.

Illuminated when high beam is on and during headlight flash ⇨ 104.

Adaptive forward lighting

illuminates or flashes yellow.

Illuminates

Fault in system.

Seek the assistance of a workshop.

Flashes

System switched to symmetrical low beam.

Control indicator flashes for approx. 4 seconds after the ignition is switched on as a reminder that the system has been activated ⇨ 104.

Automatic light control ⇨ 102.

Back to overview

Fog light

illuminates green.

Illuminated when the front fog lights are on ⇨ 106.

Rear fog light

illuminates yellow.

Illuminated when the rear fog light is on ⇨ 106.

Cruise control

illuminates white.

Illuminated when the system is on ⇨ 137.

Door open

illuminates red.

Illuminates when a door or the tailgate is open.

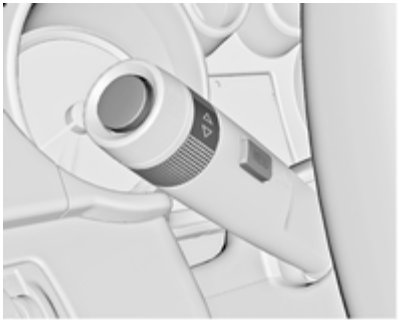
Information displays

Driver Information Center

The Driver Information Center (DIC) is located in the instrument cluster and available as Midlevel-Display or Uplevel-Display.

Selecting functions

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



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

The following menus can be selected:

- **Vehicle Information Menu**
- **Trip/Fuel Information Menu**

Turn the adjuster wheel to highlight a menu option or to set a numeric value.

Press the **SET/CLR** button to select a function or to confirm a message.

Vehicle personalisation ⇨ 97.

Trip computer ⇨ 95.

Back to overview

Traffic sign assistant ⇨ 93.

Graphic-Info-Display, Colour-Info-Display

Depending on the Infotainment system, the Graphic-Info-Display is available in two versions.

20153

Displays time, outside temperature, date or Infotainment system (when it is on) and settings for vehicle personalisation.

The Colour-Information-Display presents the information in colour.

The type of information and how it is displayed depend on the equipment of the vehicle and the settings made.

Selecting functions

Functions and settings are accessed via the display.

Selections are made via:

- menus
- function buttons and multifunction knob of the Infotainment system
- function buttons and multifunction knob of the multifunction unit in the centre console.

Back to overview

Selecting with the Infotainment system

Select menu items via the menus and the Infotainment system buttons. The multifunction knob is used to select an item and confirm.

To exit a menu, press **BACK**.

Selecting with the multifunction unit

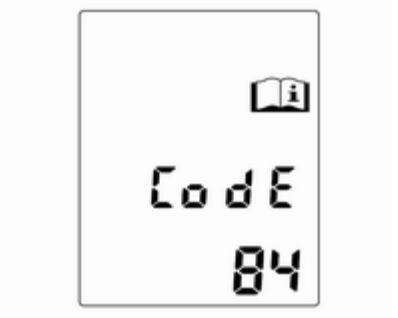
Select menu items via the menus and the buttons of the multifunction unit. The multifunction knob is used to select an item and to confirm.

To exit a menu, press **BACK**.

Vehicle messages

Messages are given via the Driver Information Center (DIC), the Info-Display or as warning and signal buzzers. Confirm warning messages with the multifunction knob.

Midlevel-Display



Back to overview

The vehicle messages are displayed as code numbers.

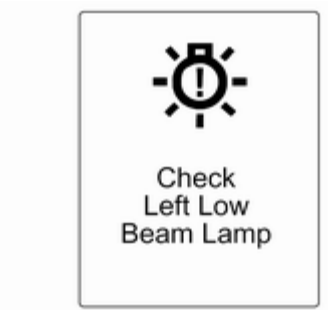
No.	Vehicle message
1	Change engine oil
2	No radio remote control detected, depress clutch pedal for a restart
3	Engine coolant level low
4	Air conditioning off
5	Steering wheel is locked
6	Depress brake pedal to release electrical parking brake
7	Turn steering wheel, switch ignition off and then on
8	Switch ignition off and then on, repeat breath test
9	Turn steering wheel, start engine again
10	Brakes overheated
11	Brake pads worn
12	Vehicle overloaded
13	Compressor overheated
15	Centre high-mounted brake light failure
16	Service brake lights
17	Headlight levelling malfunction
18	Left low beam failure
19	Rear fog light failure
20	Right low beam failure
21	Left front sidelight failure
22	Right front sidelight failure
23	Reversing light failure
24	Number plate light failure
25	Left front turn signal failure
26	Left rear turn signal failure
27	Right front turn signal failure
28	Right rear turn signal failure
29	Check trailer brake light
30	Check trailer reversing light
31	Check left trailer turn signal
32	Check right trailer turn signal
33	Check trailer rear fog light
34	Check trailer rear light
35	Replace battery in radio remote control
48	Clean side blind zone alert system
49	Lane departure warning unavailable
50	Activated pedestrian protection system, reset bonnet
51	Compass unavailable
53	Tighten gas cap
54	Water in diesel fuel filter
55	Service diesel particle filter

Back to overview

No.	Vehicle message
56	Tyre pressure imbalance on front axle
57	Tyre pressure imbalance on rear axle
58	Tyres without TPMS sensors detected
59	Open and then close driver window
60	Open and then close front passenger window
61	Open and then close rear left window
62	Open and then close rear right window
65	Theft attempted
66	Service theft alarm system
67	Service steering wheel lock
68	Service power steering
69	Service suspension system

No.	Vehicle message
70	Service level control system
71	Service rear axle
73	Service All-wheel drive system
74	Service AFL
75	Service air conditioning
76	Service side blind zone alert system
77	Service lane departure warning
78	Service pedestrian protection system
79	Top up engine oil
80	Change transmission fluid
81	Service transmission
82	Change engine oil soon
83	Service adaptive cruise control
84	Engine power is reduced
99	Pedestrian protection system disabled

Uplevel-Display



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

The system displays messages regarding the following topics:

- Fluid levels
- Anti-theft alarm system
- Brakes
- Drive systems
- Ride control systems
- Cruise control
- Object detection systems

Back to overview

- Lighting, bulb replacement
- Wiper/washer system
- Doors, windows
- Radio remote control
- Seat belts
- Airbag systems
- Engine and transmission
- Tyre pressure

Warning chimes

When starting the engine or whilst driving

- 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 a programmed speed is exceeded.
- If a warning message or a warning code appears in the Driver Information Center.
- If the parking assist detects an object.

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

- When the key is in the ignition switch.
- With exterior lights on.
- If the trailer hitch is not engaged.

Traffic sign assistant

Functionality

The traffic sign assistant system detects designated traffic signs via a front camera and displays them in the Driver Information Center.

Traffic signs, which will be detected, are

- speed limit
- no passing
- end of speed limit
- end of no passing

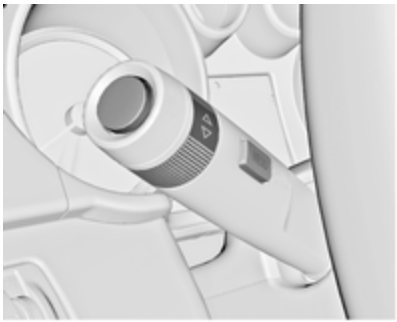
Speed limit signs are displayed in the Driver Information Center until the next speed limit sign or end of speed limit is detected.

No passing signs have priority above speed limits and are shown as a popup indication for approx. 8 seconds in the Driver Information Center.

Back to overview

The system is active at an indicated speed above 55 km/h (34 mph) and is active up to a speed of 200 km/h (124 mph) depending on the lighting conditions. At night the system is active up to a speed of 150 km/h (93 mph).

Display indication

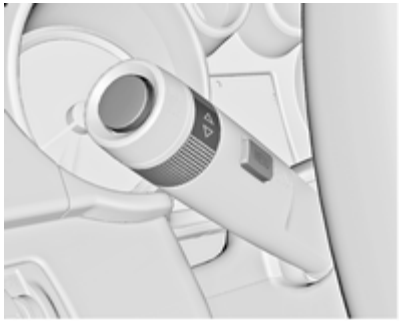


Traffic signs are displayed on the page **Traffic sign detection** in the **Trip/ Fuel Information Menu**, chosen via the adjuster wheel on the turn signal lever ⇨ 88. Speed limits are only shown on this page. No passing signs are displayed as popup on each page of the menu. When another function on the Driver Information Center menu was selected and then **Traffic sign detection** page is chosen again, the last recognized traffic sign will be displayed.

If the system is deactivated, the content of the traffic sign page is cleared, indicated by the following symbol:

The content of the traffic sign page is also cleared during driving by pushing the **SET/CLR** button on the turn signal lever.

Back to overview



Fault

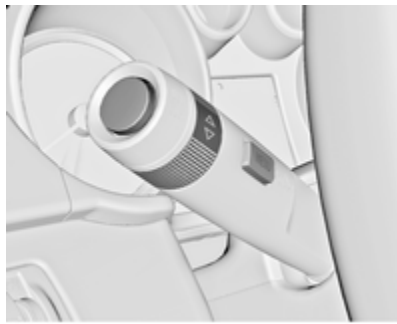
The traffic sign assistant system may not operate correctly when:

- the area of the windshield, where the front camera is located, is not clean
- traffic signs are completely or partially covered or badly discernible
- there are bad environmental conditions like strong rain, snow, direct sunlight or shadows. In this case **No Traffic Sign Detection due to Weather** is indicated on the display
- traffic signs are incorrectly mounted or damaged
- traffic signs do not comply with the Wiener Übereinkommen über Straßenverkehrszeichen (Vienna Convention on traffic signs)

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 traffic signs that might give or end a speed limit. Do not let this special feature tempt you into taking risks when driving. Adapt speed always to the road conditions. The driver assistance systems do not relieve the driver from full responsibility of vehicle operation.

Trip computer

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



Press the **MENU** button to select the **Trip/Fuel Information Menu**.

Turn the adjuster wheel to select one of the submenus:

- Trip computer 1
- Trip computer 2
- Range
- Average consumption
- Instantaneous consumption

Back to overview

- Average speed
- Timer
- Route information
- Traffic sign assistant

The information of the two trip computers can be reset separately, making it possible to display different trip distances.

To reset, press the reset knob or press the **SET/CLR** button for a few seconds.

Range

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

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

When the fuel level in the tank is low, a message appears in the Driver Information Center and in the Info-Display.

Additionally the control indicator ⬬ in the fuel gauge illuminates.

Average consumption

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

To reset, press the **SET/CLR** button for a few seconds.

Instantaneous consumption

Display of the instantaneous consumption.

Average speed

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

To reset, press the **SET/CLR** button for a few seconds.

Timer

Measurement of the time from activation to deactivation.

Press the **SET/CLR** button to start and stop the measurement.

Route information

In addition to the Color-Info-Display route information is displayed when navigation is active.

Traffic sign assistant

Indicates designated traffic signs for a defined route section.

Back to overview

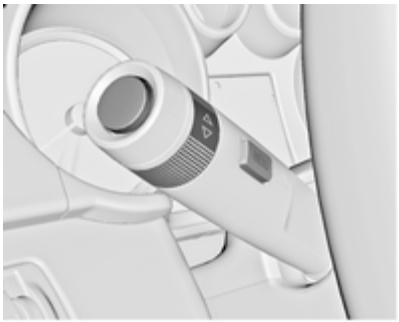
Vehicle personalisation

The vehicle's behaviour can be personalised via changing the settings in the Driver Information Center and in the Info-Display.

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

Settings in the Driver Information Center

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



Press the **MENU** button to select the **Vehicle Information Menu**.

Turn the adjuster wheel to select one of the submenus. Press the **SET/CLR** button to confirm.

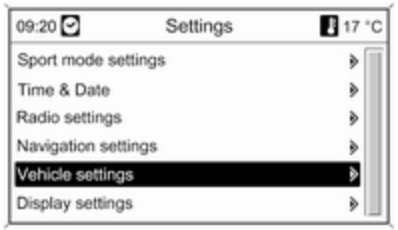
Follow the instructions given in the submenus:

- **Unit**: Displayed units can be changed.
- **Tire Pressure**: ⇨ 173.
- **Remaining Oil Life**: ⇨ 80
- **Coolant Temperature**: Display of engine coolant temperature. ⇨ 80
- **Relearn Remote Key**: Relearn after battery replacement.
- **Compass**: Display of compass in combination with navigation system.
- **Battery Voltage**: Display of battery voltage.
- **Speed Warning**: If exceeding the preset speed a warning chime will be activated.
- **Language**: Displayed language can be changed.

Settings in the Info-Display

Back to overview

Press the **CONFIG** button. The menu **Settings** is displayed.



The following settings can be selected:

- **Sport mode settings**
- **Time & Date**
- **Radio settings**
- **Phone settings**
- **Navigation settings**
- **Vehicle settings**
- **Display settings**

In the corresponding submenus the following settings can be changed:

Sport mode settings
The driver can select the functions which will be activated in Sport mode ⇨ 135.

- **Sport suspension**: Damping becomes harder.
- **Engine & Gearbox**: Accelerator pedal and gear change characteristics become more responsive.
- **Sport steering**: Steering support reduced.
- **All wheel drive**: Engine torque is distributed to a greater extent to the rear axle.
- **Main instrument illumination**: Change of instrument illumination colour.
- **Restore factory settings**: Reset all functions to factory settings.

Time & Date
See Clock ⇨ 76 and Infotainment system manual for further information.

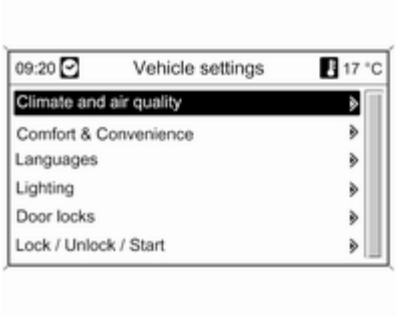
Radio settings
See Infotainment system manual for further information.

Phone settings
See Infotainment system manual for further information.

Navigation settings
See Infotainment system manual for further information.

Back to overview

Vehicle settings

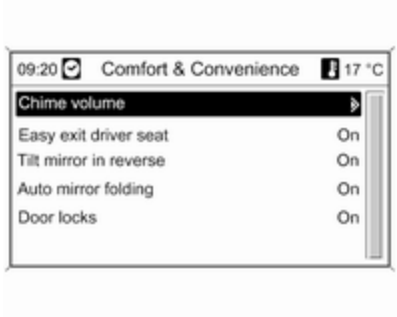


- **Climate and air quality**

  Fan control: Modifies the fan regulation.

  Air conditioning mode: Activate or deactivate cooling.

  Temperature zone settings: Change between single zone or dual zone temperature setting.



- **Comfort & Convenience**

  Chime volume: Change the volume of warning chimes.

  Easy exit driver seat: Activate or deactivate easy exit function of the power seat.

  Tilt mirror in reverse: Activate or deactivate the parking assist function of the exterior mirrors.

  Auto mirror folding: Activate or deactivate folding of the exterior mirrors with radio remote control.

  Personalisation by driver: Activate or deactivate the personalisation function.

  Rear auto wipe in rear reverse: Activate or deactivate automatically switching on of the rear window wiper when reverse gear is engaged.

- **Collision detection systems**

  Park assistant: Activate or deactivate the ultrasonic parking assist .

  On with towbar attached: Activate or deactivate the ultrasonic parking assist during trailer operation.

- **Lighting**

  Vehicle locator lights: Activate or deactivate the entry lighting.

  Ambient lights on exit: Activate or deactivate and change the duration of exit lighting.

Back to overview

- **Door locks**

  Prevent door locking while these are open: Activate or deactivate the locking function while driver's door is open.

  Auto door lock: Activate or deactivate the automatic door locking function.

  Auto door unlock: Change the configuration to unlock only the driver's door or complete vehicle whilst unlocking.

  Delayed door lock: Activate or deactivate the time delay of the automatic door locking function.

- **Remote Lock / Unlock / Start**

  Flash lights: Activate or deactivate the hazard warning flasher feedback whilst unlocking.

  Remote key door unlock: Change the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.

  Relock remote door: Activate or deactivate the automatic relock function after unlocking without opening the vehicle.

  Memory recall using remote: Recalls the memorised settings with the radio remote control.

Display settings

See Infotainment system manual for further information.

Back to overview

Lighting

Exterior lighting

Light switch

Turn light switch:

AUTO = Automatic light control: Headlights are switched on and off automatically depending on external light conditions.

0 = Activation or deactivation of the automatic light control. Switch turns back to **AUTO**.

⫸⫷ = Sidelights

≣D = Headlights

In the Driver Information Center with Uplevel-Display, the current status of the automatic light control is displayed.

When switching on ignition, automatic light control is active.

Control indicator ⫸⫷ ⇨ 87.

Tail lights

Tail lights are shining together with headlights and sidelights.

Tail lights on station wagon

Additional tail light assemblies, existing of tail lights and hazard warning flash lights, are located in the tailgate frame. They are shining, when the tailgate is open and their functions are activated. Additional tail lights are only intended as position lights when tailgate is open and not for use as driving light.

Back to overview

Automatic light control

Automatic light control function

When the automatic light control function is switched on, the system switches with running engine between daytime running light and automatic headlight in dependence of lighting conditions.

Daytime running light

Daytime running light increases visibility of the vehicle during daylight.

Tail lights are not on.

Automatic headlight activation

During poor light conditions the headlights are switched on. The system has a tunnel detection.

Advanced Front Lighting functions

The following light functions are only available with Bi-Xenon headlights. Light range, light distribution and intensity of light are variably triggered depending on the light conditions, weather and road type:

Playstreet lighting

Activated automatically at low speed up to approx. 30 km/h (20 mph). The light cone is turned at an angle of 8° to the roadside.

Town lighting

Activated automatically at a speed up to approx. 55 km/h (34 mph) and when street lights are detected by the light sensor. The light range is reduced by an extended light distribution.

Country lighting

Activated automatically at a speed range between approx. 55 (34) and 100 km/h (60 mph). The cone of light and the brightness is different between left and right side.

Motorway lighting

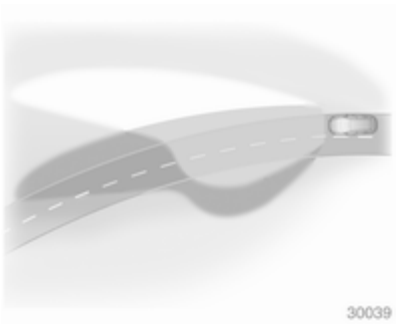
Activated automatically at a speed above approx. 100 km/h (60 mph) and minimal steering movements. It switches on delayed or directly when vehicle is powerfully accelerated. The light cone is longer and brighter.

Back to overview

Adverse weather lighting

Activated automatically up to a speed of approx. 70 km/h (43 mph), when the rain sensor recognizes condensation or the wiper operates continuously. The range, distribution and intensity of light is regulated variably depending on visibility.

Dynamic curve lighting



The light beam pivots based on steering wheel angle and speed, improving lighting in curves.

Control indicator ⇨ 87.

Corner lighting

On tight bends or when turning, depending on the steering angle and the turn signal light, an additional left or right reflector is switched on which illuminates the road in the direction of travel. It is activated up to a speed of 40 km/h (25 mph).

Control indicator ⇨ 87.

Reversing function

If the headlights are on and reverse gear is engaged, both corner lights are switched on. They remain illuminated for 20 seconds after disengaging reverse gear or driving faster than 17 km/h (10 mph) forward.

High Beam Assist

This feature allows high beam as main driving light by night and when vehicle speed is faster than 40 km/h (25 mph). It switches to low beam when the camera in the windscreen detects the lights of oncoming or preceding vehicles, in urban areas, if the vehicle speed is slower than 20 km/h (12 mph), or if it is foggy or snowy. If there are no restrictions detected, the system switches back to high beam.

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

Control indicator ⇨ 87.

Pulling the indicator lever will activate headlight flash without deactivating high beam assist.

The high beam assist is activated by pushing the indicator lever twice.

To deactivate push indicator lever once. It is also deactivated, when front or rear fog lights are switched on.

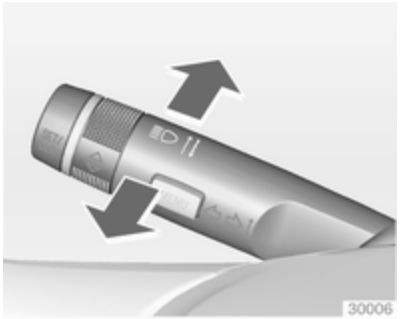
Dynamic automatic headlight levelling

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

Back to overview

Headlight range error position
When the system detects a failure in the beam levelling, the system moves to a programmable error positon to avoid dazzling of oncoming traffic. A warning is displayed in the Driver Information Center. It may be possible that the bulb, which is out of order, will be automatically switched off.

High beam



To switch from low to high beam, push lever.

To switch to low beam, push lever again or pull.

Headlight flash

To activate the headlight flash, pull lever.

Headlight range adjustment

Manual headlight range adjustment

To adapt headlight range to the vehicle load to prevent dazzling: turn knob 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 ⇨ 102.

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

Have the headlights adjusted by a workshop.

Back to overview

Vehicles with Xenon headlight system

Adapting the aim of the headlight beam:

1. Pull headlight flash lever and hold until control indicator ⛐ starts flashing.
2. Switch on ignition.
3. An acoustic signal sounds after approx. 3 seconds.

Control indicator ⛐ ⇨ 87.

Every time the ignition is switched on, ⛐ flashes for approx. 4 seconds.

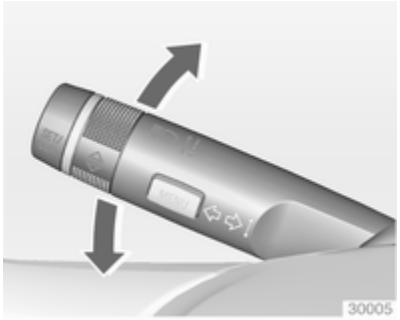
For deactivation operate the same procedure as described above. ⛐ will not flash when function is deactivated.

Hazard warning flashers

Operated with the ⚠ button.

The hazard warning flashers activate automatically if the airbags deploy.

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.

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

Back to overview

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

Front fog lights

Operated with the button.

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

Rear fog lights

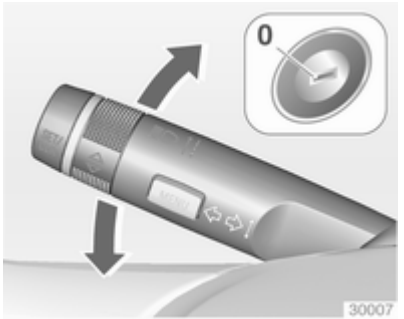
Operated with the button.

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.

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.

Back to overview

Reversing lights

The reversing light come 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 when the exterior lights are on:

- Instrument panel illumination
- Steering wheel controls
- Info-Display
- Infotainment system operation elements
- Climate control operation elements
- Illuminated switches

Turn knob 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.

Front courtesy light

Operate rocker switch:

	=	automatic switching on and off.
press	=	on.
press	=	off.

Back to overview

Rear courtesy lights

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

Reading lights

Operated with and buttons 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

Headlights, tail lights, reversing lights, number plate lights, instrument panel light, interior lights and puddle lights are switched on for a short time by unlocking the vehicle with the radio remote control . This function facilitates locating the vehicle when it is dark.

The lighting switches off immediately when the ignition is turned to position 1.

Activation or deactivation of this function can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

The settings can be saved for the key being used ⇨ 21.

Back to overview

The following lights will additionally switch on when driver's door is opened:

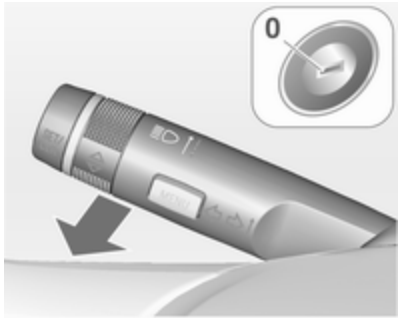
- All switches
- Driver Information Center
- Door pocket lights

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. Theatre lighting is activated if the driver's door is opened during this time.



Headlights, tail lights, reversing lights and number plate lights illuminate the surrounding area for an adjustable time after leaving the vehicle.

Switching on

1. Switch off ignition.
2. Remove ignition key.
3. Open driver's door.
4. Pull turn signal lever.
5. Close 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.

Activation, deactivation and duration of this function can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

The settings can be saved for the key being used ⇨ 21.

Battery discharge protection

Battery state of charge function

The function guarantees longest battery life via a generator with controllable power output and optimised power distribution.

To prevent discharge of the battery when driving, following systems are reduced automatically in two stages and finally switched off:

- Auxiliary heater
- Heated rear window and mirrors
- Heated seats
- Washer fluid heating
- Fan

Back to overview

In the second stage a message which confirms the activation of the battery discharge protection will be displayed in the Driver Information Center.

Switching off electric lights

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

Back to overview

Infotainment system

Introduction

Operation

The Infotainment system is operated as described in the Infotainment system manual.

Radio

Radio reception

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

- changes in distance from the transmitter,
- multi-path reception due to reflection,
- shadowing.

Back to overview

Audio players

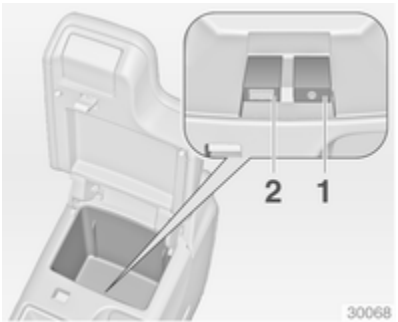
Auxiliary devices

The AUX input and USB input are located in the armrest between the front seats.

Always keep the AUX input and USB input clean and dry.

Further information is available in the Infotainment system manual.

AUX input



An external audio source such as a portable CD player can be connected using a 3.5 mm jack plug via the AUX input **1**.

USB input

External storage devices (e.g. iPod, CD player, memory stick) can be connected via the USB input **2**.

Caution
The length of the external storage device must not be longer than 70 mm. Otherwise use an extension cable for connecting.

For connecting use an adapter lead.

Phone

Mobile phones and CB radio equipment

Installation instructions and operating guidelines

The vehicle specific installation instructions and the operating guidelines of the mobile phone and handsfree manufacturer must be observed when installing and operating a mobile telephone. Failure to do so could invalidate the vehicle type approval (EU directive 95/54/EC).

Recommendations for fault-free operation:

- Professionally installed exterior antenna to obtain the maximum range possible,
- Maximum transmission power 10 watts,
- Installation of the phone in a suitable spot, consider relevant Note ⇨ 49.

Back to overview

Seek advice on predetermined installation points for the external antenna or equipment holder and ways of using devices with a transmission power exceeding 10 watts.

Use of a handsfree attachment without external antenna with mobile telephone standards GSM 900/1800/1900 and UMTS is only permitted if the maximum transmission power of the mobile telephone is 2 watts for GSM 900 or 1 watt for the other types.

For reasons of safety, do not use the phone while driving. Even use of a handsfree set can be a distraction while driving.

⚠Warning

Operation of radio equipment and mobile telephones which fail to meet above mentioned mobile telephone standards is only permitted using an antenna located outside of the vehicle.

Caution

Mobile telephones and radio equipment may lead to malfunctions in the vehicle electronics when operated inside the vehicle with no exterior antenna, unless the above mentioned regulations are observed.

Back to overview

Climate control

Climate control systems

Heating and ventilation system

Controls for:

- Temperature
- Air distribution
- Fan speed

Heated rear window ⇨ 35.

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

Intermediate settings are possible.

Fan speed

Adjust the air flow by switching the fan to the desired speed.

Back to overview

Air conditioning system

Additional to the heating and ventilation system, the air conditioning system has:

- = cooling
- = air recirculation
- = demisting and defrosting

Cooling

Operated with the button and is functional only when the engine and fan are running.

The air conditioning system cools and dehumidifies (dries) when outside temperature is a little above the freezing point. Therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch the cooling system off to save fuel.

Air recirculation system

Operated with the button.

⚠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. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

Air distribution to : Air recirculation is deactivated.

Maximum cooling

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

- Cooling on.
- 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 button : fan automatically switches to higher speed, the air distribution is directed towards the windscreen,
- Switch cooling on.
- Set temperature control to warmest level.

Back to overview

- Switch on heated rear window.
- Open side air vents as required and direct them towards the door windows.

Electronic climate control system

Two versions of climate control: single zone or dual zone temperature setting. The dual zone climate control allows different climatisation temperatures for driver and front passenger side.

Single zone controls:

- Temperature
- Air distribution
- Fan speed

AUTO = automatic mode
= air recirculation
= demisting and defrosting

Dual zone controls:

- Temperature on driver side
- Air distribution
- Fan speed
- Temperature on front passenger side

AUTO = automatic mode
= air recirculation
= demisting and defrosting

Heated rear window ⇨ 35.

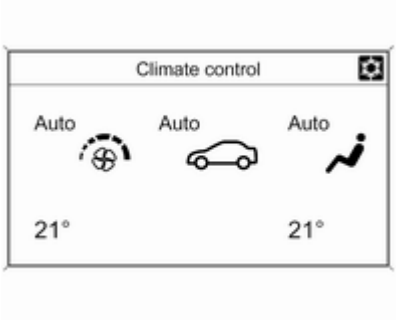
The preselected temperature is automatically regulated. In the automatic mode the fan speed and air distribution automatically regulate the air flow.

The system can be manually adapted via the use of air distribution and air flow controls.

Data is shown on the climate display.

Back to overview

It may appear differently depending on single zone or dual zone climate control.



Each change of settings is shown in the Info-Display for a few seconds.

Climate control system settings are saved in the key used to lock the vehicle.

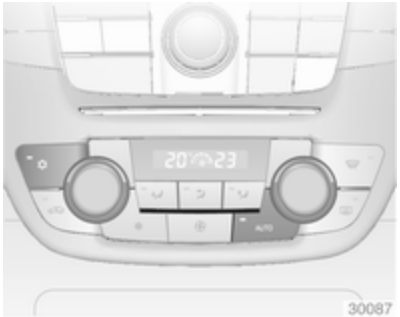
The electronic climate control system is only fully operational when the engine is running.

For correct operation do not cover the sensor on the instrument panel .

Automatic mode AUTO

Basic setting for maximum comfort:

- Press **AUTO** button, the air conditioning is activated automatically.
- Open all air vents.
- Single zone climate control: Set preselected temperature using left rotary knob.



- Dual zone climate control: Set the preselected temperatures for driver and front passenger using the left and right rotary knob.

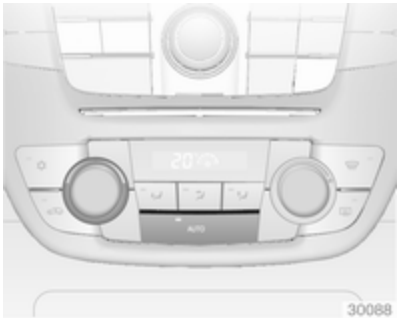
The fan speed regulation in automatic mode can be changed in the menu **Settings**.

Vehicle personalisation ⇨ 97.

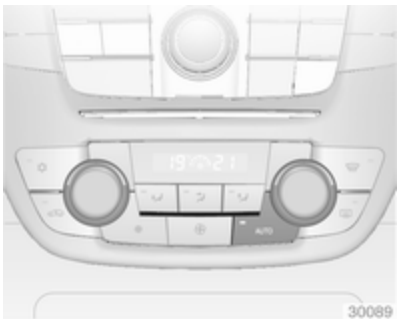
All air vents are actuated automatically in automatic mode. The air vents should therefore always be open.

Back to overview

Temperature preselection



Temperatures can be set to the desired value.



If the minimum temperature is set, the climate control system runs at maximum cooling.

If the maximum temperature is set, the climate control system runs at maximum heating.

Dual zone climate control: for a common temperature setting use the menu Settings.

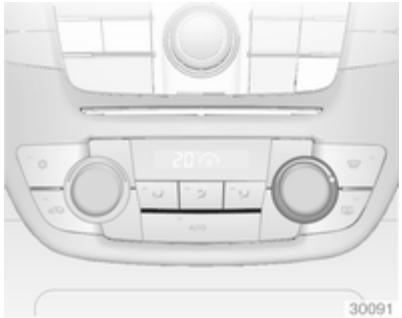
Demisting and defrosting the windows

- Press button .
- Press cooling button .
- Temperature and air distribution are set automatically and the fan runs at high speed.
- Switch on heated rear window .
- To return to automatic mode: press button or **AUTO**.

Manual settings

Climate control system settings can be changed by activating the buttons and rotary knobs as follows. Changing a setting will deactivate the automatic mode.

Fan speed single zone climate control



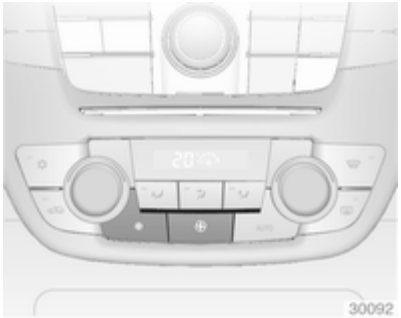
Turn right rotary knob. The selected fan speed is indicated by the number of segments in the display.

If the fan is switched off the air conditioning is also deactivated.

To return to automatic mode: Press **AUTO** button.

Back to overview

Fan speed dual zone climate control



Press left button ✻ for decreasing fan speed or right button ✻ for increasing. The fan speed is indicated by the number of segments in the display.

Pressing the left button longer, fan and cooling are switched off.

Pressing the right button longer, the fan runs with maximum speed.

To return to automatic mode: Press **AUTO** button.

Air distribution

Press ↿, ⇉ or ↿ for desired adjustment. Activation is indicated by the LED in the button.

↿ = to windscreen and front door windows.
⇉ = to head area via adjustable air vents
↿ = to foot well.

Combinations are possible.

Return to automatic air distribution: Deactivate corresponding setting or press button **AUTO**.

Cooling

Activate or deactivate with the ❄ button.

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 the cooling system off to save fuel.

Automatic air recirculation

The automatic air recirculation system has an air humidity sensor which switches automatically to external air, if internal air humidity is too high.

Manual air recirculation mode

Operated with the ⟲ button.

⚠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. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

Basic settings

Some settings can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

Back to overview

Auxiliary heater

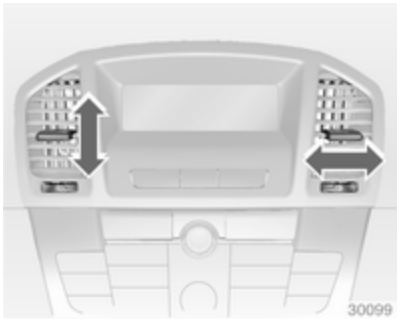
Air heater

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

Air vents

Adjustable air vents

At least one air vent must be open while cooling is on in order to prevent the evaporator from icing up due to lack of air movement.



To open vent, turn the adjuster wheel to **I**.

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

To close the vent, turn the adjuster wheel to **0**.

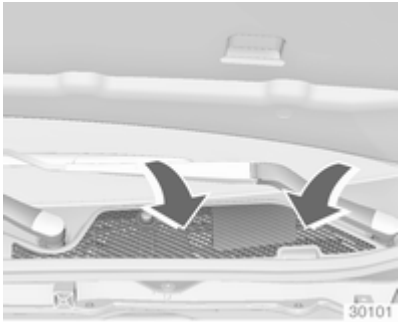
Fixed air vents

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

Back to overview

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 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

Back to overview

Driving and operating

Driving hints

Control of the vehicle

Never coast with engine not running

Many systems will not function in this situation (e.g. brake servo unit, power steering). Driving in this manner is a danger to yourself and others.

Pedals

To ensure the pedal travel is uninhibited, there must be no mats in the area of the pedals.

Starting and operating

New vehicle running-in

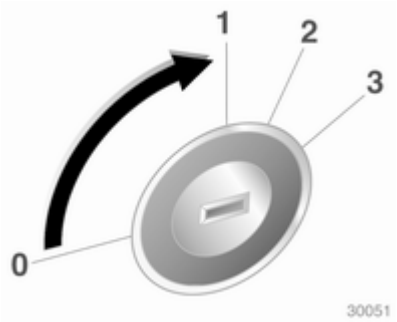
Do not brake unnecessarily hard for the first few journeys.

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.

Fuel and engine oil consumption may be higher during the running-in period.

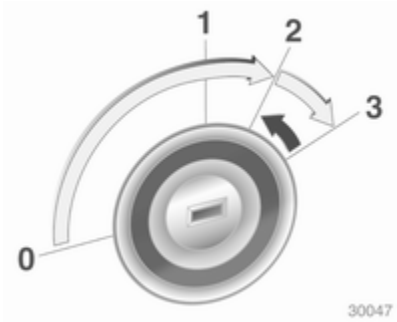
Back to overview

Ignition switch positions



0 = Ignition off
1 = Steering wheel lock released, ignition off
2 = Ignition on, for diesel engine: preheating
3 = Starting

Starting the engine



Manual transmission: operate clutch.

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

Do not accelerate.

Diesel engine: turn the key to position **2** for preheating until control indicator ⟒ goes out.

Turn key briefly to position **3** and release: an automatic procedure operates the starter with a short delay as long as the engine is running, see Automatic Starter Control.

Before restarting or to switch off the engine, turn key back to **0**.

Automatic Starter Control

This function controls the engine start procedure. The driver does not have to hold the key in position 3. Once applied, the system will go on starting automatically until the engine is running. Because of the checking procedure, engine starts running after a short delay.

Reasons for engine not starting can be:

- Clutch pedal not operated (manual transmission).
- Brake pedal not operated or selector lever not in **P** or **N** (automatic transmission).
- Timeout occurred.

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.

Back to overview

Parking

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply parking brake. Manual parking brake without pressing release button. Apply as firmly as possible on downhill or uphill slopes. Depress the foot brake at the same time to reduce operating force.
- Switch off the engine and ignition. Turn the steering wheel until the steering wheel lock engages.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to **P** before switching off the ignition. 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 **P** before switching off the ignition. Turn the front wheels towards the kerb.
- Lock the vehicle and activate the anti-theft alarm system.

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

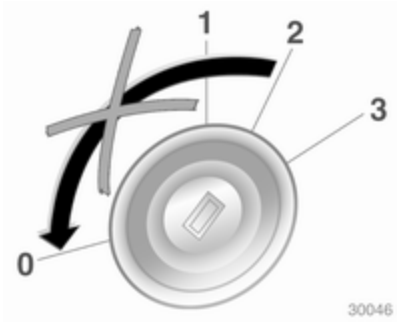
The diesel particle filter system filters harmful soot particles out of the exhaust gases. The system includes a self-cleaning function that runs automatically during driving. The filter is cleaned by burning off the soot particles at high temperature. This process takes place automatically under set driving conditions and may

Back to overview

take up to 25 minutes. 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 the filter requires cleaning and previous driving conditions did not enable automatic cleaning, control indicator flashes. Continue driving, keeping engine speed above 2000 revolutions per minute. Shift down if necessary. Diesel particle filter cleaning is then started.



Stopping the journey or switching off the engine during cleaning is not recommended.

Caution
If the cleaning process is interrupted more than once, there is a great risk of provoking severe engine damage.

Cleaning takes place quickest at high engine speeds and loads.

The control indicator extinguishes as soon as the self-cleaning operation is complete.

Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gases.

Back to overview

Caution

Fuel grades other than those listed on pages ⇨ 144, ⇨ 204 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 manual gearshifting (manual mode) or automatic gearshifting (automatic mode).

Transmission display

The mode or selected gear is shown in the transmission display.

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 vehicle is stationary
N = neutral
D = automatic mode with all gears

The selector lever is locked in **P** and can only be moved when the ignition is on and the brake pedal is applied.

Back to overview

Without applied brake pedal the control indicator ⊘ illuminates.

If the selector lever is not in **P** when the ignition is switched off, control indicator ⊘ and **P** flash.

To engage **P** or **R**, push the release button.

The engine can only be started with lever in position **P** or **N**. When position **N** is selected, press brake pedal or apply 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.

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 and then forwards or backwards.

+ = Shift to a higher gear.

− = 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.

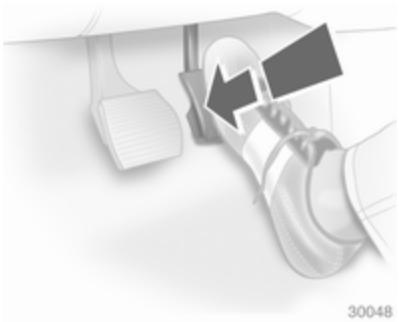
No automatic shifting to a higher gear takes place at high engine revolutions.

Back to overview

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 automatic neutral shift function automatically shifts to idling when the vehicle is stopped with a forward gear engaged.
- When Sport mode is engaged, the vehicle shifts at higher engine speeds (unless cruise control is on). Sport mode ⇨ 135.

Kickdown



If the accelerator pedal is pressed past the pressure point, the transmission shifts to a lower gear depending on engine speed.

Fault

In the event of a fault, illuminates. Additionally a code number or a vehicle message is displayed in the Driver Information Center. Vehicle messages ⇨ 90.

The transmission no longer shifts automatically. Continued travel is possible with manual shifting.

Only the highest gear is available. Depending on the fault, 2nd gear may also be available in manual mode.

Have the cause of the fault remedied by a workshop.

Interruption of power supply

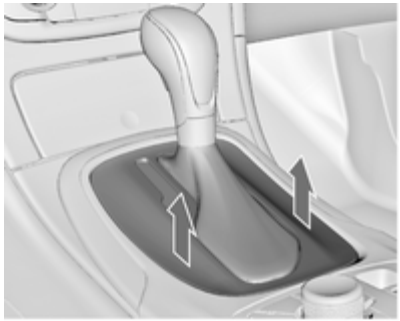
In the event of an interruption of power supply, the selector lever cannot be moved out of the **P** position. The ignition key cannot be removed from ignition switch.

If the battery is discharged, start the vehicle using jump leads ⇨ 183.

If the battery is not the cause of the fault, release selector lever and remove ignition key from ignition switch.

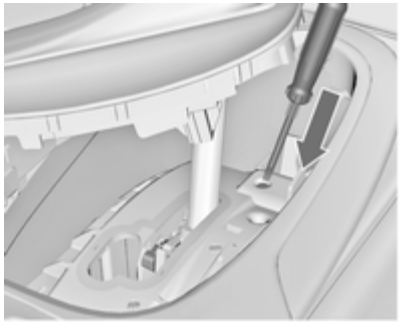
Release selector lever

1. Apply parking brake.



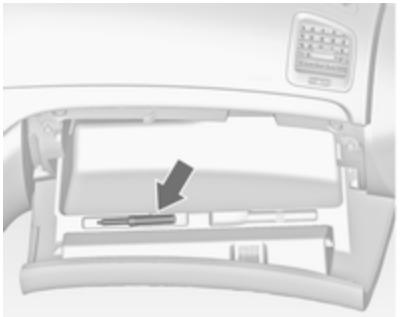
2. Release selector lever trim from centre console at rear, fold upwards and rotate to the left.

Back to overview

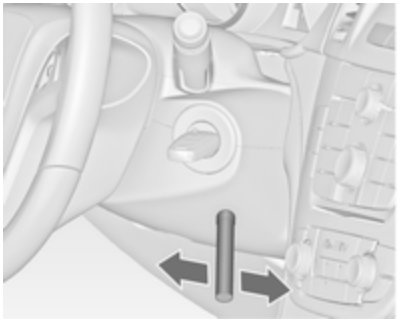


3. Insert a screwdriver into the opening as far as it will go and move the selector lever out of **P** or **N**. If **P** or **N** is engaged again, the selector lever will be locked in position again. Have the cause of the power supply interruption remedied by a workshop.
4. Mount selector lever trim on centre console and refit.

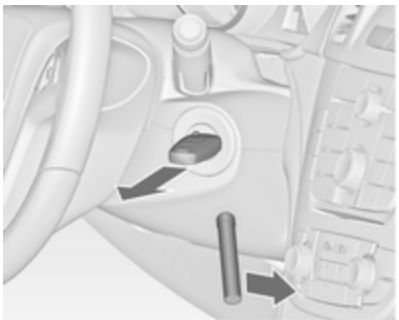
Remove ignition key from ignition switch



Take the special tool from the inside of the glove box cover.



Insert the special tool into the opening below the ignition lock as far as it will go and swivel it slightly.



Back to overview

Turn special tool to the front and remove key from ignition lock. Several attempts may be required to successfully remove the key.

Manual transmission

To engage reverse, with the vehicle stationary pull up the button on the selector lever and engage the gear.

If the gear does not engage, set the lever in neutral, release the clutch pedal and depress again; then repeat gear selection.

Do not grind the clutch unnecessarily.

When operating, depress the clutch pedal completely. Do not use the pedal as a foot rest.

Caution
It is inadvisable to drive with hand resting on the selector lever.

Back to overview

Drive systems

All-wheel drive

The All-wheel drive system enhances driving characteristics and stability, and helps to achieve the best possible driveability regardless of ground surface. The system is always active and cannot be deactivated.

The torque is distributed steplessly between the front and rear wheels, depending on the driving conditions.

For optimum system performance, the vehicle's tyres should not have varying degrees of wear.

If a service message is displayed in the Driver Information Center, the system may have limited functionality (or be completely disabled in some cases, i.e. the vehicle switches to Front-wheel drive). Seek the assistance of a workshop.

Towing the vehicle ⇨ 184.

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 your 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 ⇨ 84.

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.

Control indicator ⇨ 85.

Adaptive brake light

During full braking, all three brake lights flash for the duration of ABS control.

Back to overview

Fault

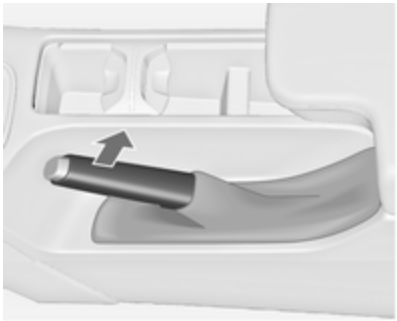
⚠Warning

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

Manual parking brake



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 (!) ⇨ 84.

Electrical parking brake

Applying when vehicle is stationary
Pull switch (P), the electrical parking brake operates automatically with an adequate force. For maximum force, e.g. parking with trailer or on inclines, pull switch (P) twice.

The electrical parking brake can always be activated, even if the ignition is off.

Do not operate electrical parking brake system too often without engine running because this will discharge the battery.

Back to overview

Before leaving the vehicle, check the electrical parking brake status.

Control indicator Ⓟ ⇨ 84.

Releasing

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

Drive away function

Depressing clutch pedal (manual transmission) or engaging drive gear (automatic transmission) and then depressing the accelerator pedal releases the electrical parking brake automatically. This is not possible when the switch is pulled.

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 Ⓟ is kept pulled, the electrical parking brake system will decelerate the vehicle, but will not apply statically.

As soon as the switch Ⓟ is released, dynamic braking will be stopped.

Fault

Failure mode of electrical parking brake is indicated by a control indicator and by a code number or a vehicle message which is displayed in the Driver Information Center. Vehicle messages ⇨ 90.

Apply electrical parking brake: pull and hold the switch Ⓟ for more than 5 seconds. If control indicator Ⓟ illuminates, electrical parking brake is applied.

Release electrical parking brake: push and hold the switch Ⓟ for more than 2 seconds. If control indicator Ⓟ goes out, electrical parking brake is released.

Control indicator Ⓟ flashes: electrical parking brake is not fully applied or released. When continuously flashing, release electrical parking brake and retry applying.

Brake assist

If the brake pedal is depressed quickly and forcefully, maximum brake force is automatically applied (full braking).

Maintain steady pressure on the brake pedal for as long as full braking is required. Maximum brake force is automatically reduced when the brake pedal is released.

Hill start assist

The system helps driving away on inclines at a constant speed by holding the vehicle. After the parking brake is disengaged and the foot brake pedal is released, the brakes are released after a 2 second delay.

Back to overview

Ride control systems

Traction Control system

Traction Control system (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 as soon as the control indicator extinguishes.

When TC is active flashes.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Control indicator ▷ 86.

Deactivation

TC can be switched off when spinning of drive wheels is required: press button shortly.

Control indicator illuminates.

TC is reactivated by pressing the button again.

TC is also reactivated the next time the ignition is switched on.

Electronic Stability Control

Electronic Stability Control (ESC) improves driving stability when necessary, regardless of the type of road surface or tyre grip. It also prevents the drive wheels from spinning.

As soon as the vehicle starts to swerve (understeer/oversteer), engine output is reduced and the wheels are braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

ESC is operational as soon as the control indicator extinguishes.

When ESC is active flashes.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Control indicator ▷ 86.

Back to overview

Deactivation

For very high-performance driving ESC can be deactivated: hold button depressed for approx. 7 seconds.

Control indicator illuminates.

ESC is reactivated by pressing the button again. If the TC system was previously disabled, both TC and ESC are reactivated.

ESC is also reactivated the next time the ignition is switched on.

Interactive driving system

Flex Ride

Flex Ride driving system allows the driver to select between three driving modes:

- SPORT mode: press button **SPORT**, LED illuminates.
- TOUR mode: press button **TOUR**, LED illuminates.
- Normal mode: both buttons **SPORT** and **TOUR** are not pressed, no LED illuminates.

Deactivate SPORT mode and TOUR mode by pressing corresponding button once more.

In each driving mode Flex Ride networks the following electronic systems:

- Continuous Damping Control.
- Accelerator Pedal Control.
- Steering Control.
- All-wheel drive.
- Automatic transmission.

SPORT mode

The settings of the systems are adapted to a sportier driving style:

- Damping of shock absorbers reacts stiffer to provide better contact with the road surface.
- The engine reacts more quickly to the accelerator pedal.
- Steering support is reduced.
- Engine torque of All-wheel drive is distributed more to the rear axle.

Back to overview

- Shift points of automatic transmission occur later.
- Having SPORT mode activated, the illumination of main instruments changes from white to red.

TOUR mode

The settings of the systems are adapted to a comfort driving style:

- Damping of shock absorbers reacts softer.
- Accelerator pedal reacts with standard settings.
- Steering support is in standard mode.
- Engine torque of All-wheel drive is distributed mainly to the front axle.
- Shift points of automatic transmission occur in a comfort mode.
- Illumination of main instruments is white.

Normal mode

All settings of the systems are adapted to standard values.

Drive mode control

Within each manual selected driving mode SPORT, TOUR or Normal, the Drive Mode Control (DMC) detects and analyses continously the real driving characteristic, responses by the driver, and the active dynamic state of the vehicle. If necessary the control unit of DMC automatically changes the settings within the selected driving mode or when recognising greater variations, the driving mode is changed for the length of variation.

If, for example, **Normal** mode is selected and DMC detects a sporty driving behaviour, DMC changes several settings of the Normal mode into sporty settings. The DMC changes to **Sport** mode in case of very sporty driving behaviour.

If, for example, TOUR mode is selected and whilst driving on a winding road a sudden hard brake is necessary, DMC will detect the dynamic vehicle condition and changes the settings for suspension to SPORT mode to increase vehicle stability.

When the driving characteristic or the dynamic vehicle state returns to former state, DMC will change the settings to the preselected driving mode.

Personalised settings in the Sport mode

The driver can select the functions of the SPORT mode when **SPORT** button is pushed. These settings can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ▷ 97

Cruise control

The cruise control can store and maintain speeds of approx. 30 (20) to 200 km/h (120 mph). 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.

Do not use the cruise control if it is not advisable to maintain a constant speed.

With automatic transmission, only activate cruise control in automatic mode.

Control indicator ⏲ ⇨ 88.

Activation

Press rocker switch ⏲ down, control indicator ⏲ illuminates. Accelerate to the desired speed and turn thumb wheel to **RES/+** or **SET/-**, the current speed is stored and maintained. 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.

The speed cannot be accelerated by turning the thumb wheel to **SET/-** while first gear is selected.

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 **RES/+**.

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 rocker switch ⏲ up, control indicator ⏲ goes out. Cruise control is deactivated.

Automatic deactivation:

- vehicle speed below approx. 30 km/h (20 mph),
- the brake pedal is depressed,
- the clutch pedal is depressed,
- selector lever in **N**,
- the Traction Control system or Electronic Stability Control is operating.

Resume stored speed

Turn thumb wheel to **RES/+** at a speed above 30 km/h (20 mph). The stored speed will be obtained.

Back to overview

Deleting the stored speed

The stored speed will be deleted by pressing button or switching off ignition.

Object detection systems

Parking assist

The parking assist makes parking easier by measuring the distance between the vehicle and obstacles, and giving acoustic signals. It is the driver, however, who bears full responsibility for the parking manoeuvre.

The system consists of four ultrasonic parking sensors in each of the front and rear bumpers.

Control indicator P ⇨ 85.

Activation

When reverse gear is engaged, the system is activated automatically.

The front parking assist can also be activated at a low speed by pressing the P button.

An illuminated LED in the parking assist button indicates that the system is ready to operate.

An obstacle is indicated by a buzzing sound. The interval between the sounds becomes shorter as the vehicle gets closer to the obstacle. When the distance is less than 30 cm (1 ft), the buzzing is continuous.

Back to overview

Deactivation

Deactivate the system by pressing the P button.

The LED in the button will go out and **Park Assist Off** will be displayed in the Driver Information Center.

The system is deactivated automatically when the vehicle is driven above a certain speed.

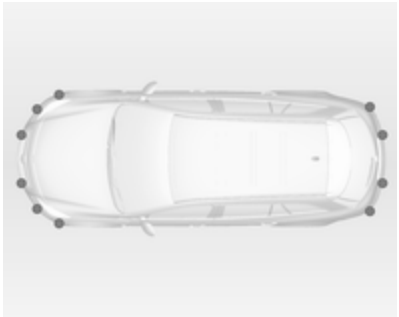
Fault

In the event of a fault in the system, P illuminates and a message is displayed in the Driver Information Center.

If the system does not work due to temporary conditions like snow covered sensors, P illuminates or a message is displayed in the Driver Information Center.

Vehicle messages ⇨ 90.

Advanced parking aid



The advanced parking aid system manoeuvres the driver into a parking slot by giving instructions on the Driver Information Center and acoustic signals. It is the driver, however, who bears full responsibility for accepting the parking slot suggested by the system and the parking manoeuvre.

The system uses the sensors of the parking assist system in combination with two additional sensors on both sides of the front bumper.

Activation

When looking for a parking slot, the system has to be activated by pressing the P button.

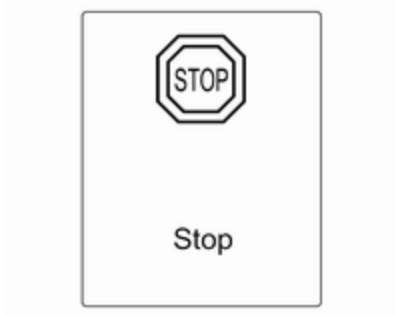
The system only operates at a speed up to 30 km/h (18 mph).

The maximum allowed parallel distance between the vehicle and a row of parking cars is 1.8 m.

Back to overview

Functionality

When the vehicle passes a row of cars and the system is activated, the advanced parking aid system is looking for a suitable parking slot. When a suitable slot is detected, a visual feedback and acoustic signals are given on the Driver Information Center.



The suggestion of the system is accepted, when the vehicle is stopped by the driver within 10 metres (11 yards) after the message is given. The system calculates the optimal route into the parking slot. Then it manoeuvres the driver into the slot by giving detailed instructions.

The instructions show:

- a hint when driving faster than 30 km/h (18 mph),
- the demand to stop the vehicle, when a parking slot is detected,
- the direction of driving during the parking manoeuvre,
- the steering wheel position during parking,
- for some of the instructions a progress bar is shown.

A successful parking manoeuvre is indicated by the target symbol.

Back to overview

If the driver does not stop the vehicle within 10 metres (11 yards) after a parking slot is proposed, the system starts to search for another suitable parking slot.

Changing the parking side

The system is configurated to detect parking slots on the passenger side. To detect parking slots on the driver side, push button P for approx. 2 seconds.

Display priorities

After activating the advanced parking aid, an information appears on the Driver Information Center. Indication of messages with higher priority like Vehicle Messages ⇨ 90 will be displayed. After approving the message by pressing the **SET/CLR** button, parking aid messages appear again and parking can be continued.

Deactivation

The system is deactivated by:

- pushing the P button
- parking manoeuver successfully ended
- driving faster than 30 km/h (18 mph)
- switching off the ignition

Deactivation by the driver or by the system during manoeuvring will be indicated by **Parking Deactivated** in the Driver Information Center.

Fault

A message appears in the Driver Information Center when:

- there is a fault in the system
- the driver did not successfully complete the parking manoeuvre
- the system is not operative

If an object is detected during parking instructions, **STOP** is indicated in the Driver Information Center. Removing the object will continue parking manoeuver. If the object is not removed, the system will be deactivated. Push button P to activate the system for searching a new parking slot.

Back to overview

Important hints for using the 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.

Caution

Performance of the sensor can be reduced when sensors are covered, e.g. by ice or snow.

Performance of the parking assist systems can be reduced by a level change of the sensors.

Particular conditions apply for high vehicles (e.g. off-road vehicles, mini vans, transporters). Object identification in the upper part of the vehicle cannot be guaranteed.

Objects with a very small reflection cross section, like objects of narrow size or soft materials, may not be detected by the system.

Parking assist systems are not effective in assisting drivers in avoiding unexpected objects.

Note

The parking assist system automatically detects factory-fitted towing equipment. It is deactivated when the connector is plugged in.

Sensor could detect a nonexisting object (echo disturbance) caused by external acoustical or mechanic disturbances.

Advanced parking aid system may not respond to changes in the parking space after initiating a parallel parking manoeuver.

Lane departure warning

The lane departure warning system observes the lane markings in which the vehicle is driving via a front camera. The system is detecting lane changes and warns the driver in the event of an unintended lane change by visual and acoustic signals.

Criteria for the detection of an unintended lane change are

- no operation of turn signals
- no brake pedal operation

Back to overview

- no active accelerator operation or speeding-up
- no active steering

If the driver is active, no warning will be issued.

Activation

The lane departure warning system is activated by pressing the button. 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 operate.

The system is only operatable at vehicle speeds above 60 km/h (37 mph) and if lane markings are available.

When the system recognizes an unintended lane change, the control indicator changes to yellow and flashes. Simultaneously a chime sound is activated.

Deactivation

The system is deactivated by pushing button. Deactivation is indicated by a message in the Driver Information Center.

It is also not ready to operate at speeds below 60 km/h (37 mph).

Back to overview

Fault

The lane departure warning system may not operate correct when:

- the windshield is not clean
- there are bad environmental conditions like strong rain, snow, direct sunlight or shadows
- no lane marking can be detected

If lane departure warning system detects one of this conditions, control indicator illuminates yellow.

Fuel

Fuel for petrol engines

Only use unleaded fuel that complies with DIN EN 228.

Equivalent standardised fuels with an ethanol content of max. 10% by volume may be used.

Use fuel with the recommended octane rating ⇨ 204. Use of fuel with too low an octane rating can reduce engine power and torque and slightly increases fuel consumption.

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 DIN EN 590. The fuel must have low sulphur content (max. 50 ppm). Equivalent standardised fuels with a biodiesel (= FAME according to EN14214) content of max. 7% by volume (like DIN 51628 or equivalent standards) may be used.

Do not use marine diesel oils, heating oils or entirely or partially plant-based diesel fuels, such as rape seed oil or bio diesel, Aquazole and similar diesel-water emulsions. Diesel fuels must not be diluted with fuels for petrol engines.

The flow and filterability of diesel fuel are temperature-dependent. When temperatures are low, refuel with diesel fuel with guaranteed winter properties.

Back to overview

Refuelling

⚠Danger

Before refuelling, switch off engine and any external heaters with combustion chambers. Switch off any mobile phones.

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

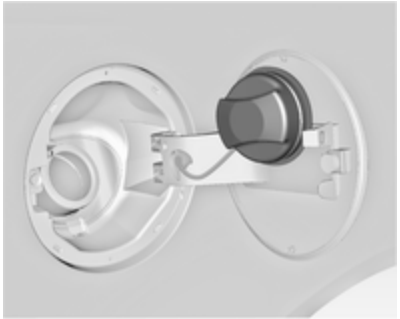
⚠Danger

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.

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

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



The fuel filler cap can be retained in the bracket on the fuel filler flap.

Caution

Wipe off any overflowing fuel immediately.

Fuel filler cap

Only a genuine fuel filler cap provides full functionality. Diesel-engined vehicles have special fuel filler caps.

Back to overview

Fuel consumption - CO_2-Emissions

The determination of fuel consumption is regulated by European directive 715/2007 692/2008 A.

The directive is oriented to actual driving practices: Urban driving is rated at approx. $^1/_3$ and extra urban driving with approx. $^2/_3$. Cold starts and acceleration phases are also taken into consideration.

The specification of CO_2 emission is also a constituent of the directive.

The figures given must not be taken as a guarantee for the actual fuel consumption of a particular vehicle. Furthermore, fuel consumption is dependent on personal driving style as well as road and traffic conditions.

All values are based on the EU base model with standard equipment.

The calculation of fuel consumption takes into account the vehicle's kerb weight, ascertained in accordance with the regulations. Optional equipment may result in slightly higher fuel consumption and CO_2 emission levels and a lower maximum speed.

Fuel consumption, CO_2 emissions ⇨ 208.

Towing

General information

The factory-fitted towing equipment is folded up under the rear bumper fascia.

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. Only use towing equipment that has been approved for your vehicle.

Installation dimensions of factory-fitted towing equipment ⇨ 249.

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 trailers with a permitted gross vehicle weight of more than 1400 kg

Back to overview

the use of a stabiliser is strongly recommended when driving above 80 km/h (50 mph).

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 ⇨ 218.

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 ⇨ 202.

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 (85 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 90 kg for the Saloon and 85 kg for the Station wagon, the gross vehicle weight rating may be exceeded by 65 kg for the Saloon and 60 kg for the Station wagon. If the permissible rear axle load is exceeded, a maximum speed of 100 km/h (60 mph) applies.

Towing equipment

Caution
The folding coupling ball bar cannot be removed from the vehicle. When driving without a trailer, fold in the coupling ball bar.

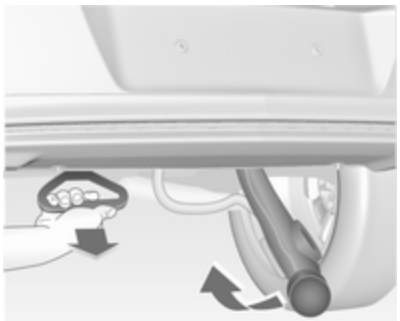
Back to overview

⚠Warning

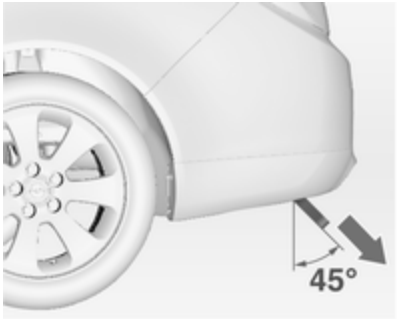
Make sure that no one is in the pivot zone of the coupling ball bar. Risk of body injury.

When releasing the stowed coupling ball bar, make sure to stand left of the grip.

Release stowed coupling ball bar



Pull the grip under the rear bumper fascia at an angle of approx. 45° to the ground.

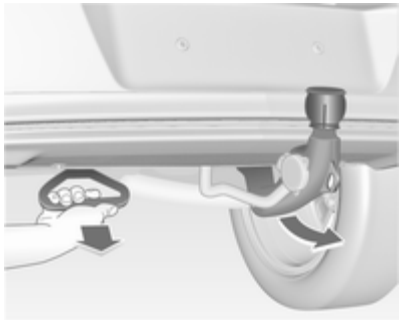


A buzzing tone sounds as a warning when the release handle is pulled out and the ball neck is disengaged.

Take the released coupling ball bar and raise it up until it engages.

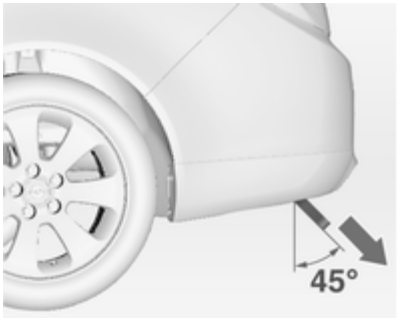
Be sure to have the coupling ball bar correctly engaged and the released handle guided back to its hidden initial position, otherwise the buzzing tone will not stop.

Stow/hide coupling ball bar



Pull the grip under the rear bumper fascia at an angle of approx. 45° to the ground.

Back to overview



A buzzing tone sounds as a warning when the release handle is pulled out and the ball neck is disengaged.

Hold the released coupling ball bar and swivel it to the right until it engages under the floor and make sure that the release handle is back in its hidden initial position.

Be sure to have the coupling ball bar correctly engaged and the released handle guided back to its hidden initial position, otherwise the buzzing tone will not stop.

⚠Warning

Towing a trailer is permitted only when the coupling ball bar is fitted correctly. If the coupling ball bar does not engage correctly or if the release handle is impossible to guide to its hidden initial position in the housing or if the buzzing tone sounds after engaging the coupling ball bar, seek the assistance of a workshop.

Eye for break-away stopping cable

Attach break-away stopping cable to eye.

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 assistant (TSA) is a function of the Electronic Stability Control ⇨ 134.

Back to overview

Vehicle care

General Information

Accessories and vehicle modifications

We recommend using 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).

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 rubber seals.
- Change engine oil.
- Drain washer fluid reservoir.
- Check coolant antifreeze and corrosion protection.
- Adjust tyre pressure to the value specified for full load.
- Park vehicle in dry, well ventilated place. Engage first or reverse gear or set selector lever to **P**. Prevent the vehicle from rolling.
- Do not apply parking brake.
- Open 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.

Back to overview

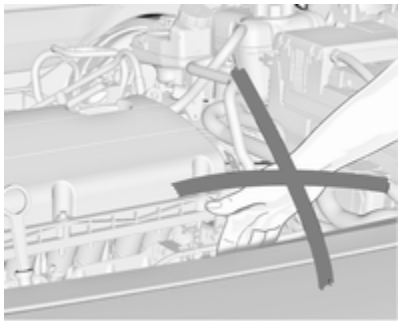
- Check the engine oil level.
- Check the coolant level.
- Fit the number plate if necessary.

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. Only entrust this work to an authorised recycling centre.

Vehicle checks

Performing work



⚠Warning

Only perform engine compartment checks when the ignition is off.

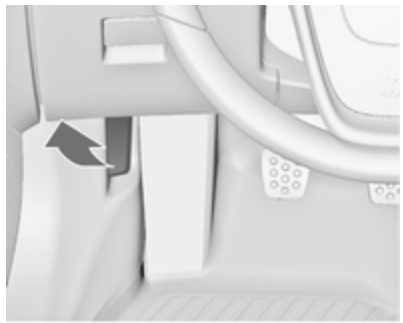
The cooling fan may start operating even if the ignition is off.

⚠Danger

The ignition system and Xenon headlights use extremely high voltage. Do not touch.

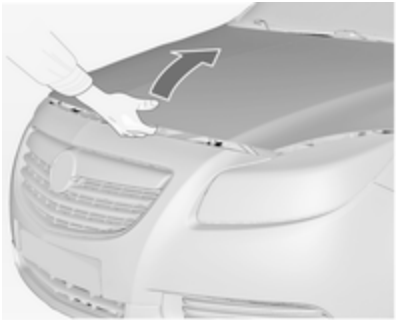
Bonnet

Opening



Pull the release lever and return it to its original position.

Back to overview



Push the safety catch to the right and open the bonnet.

The bonnet is held open automatically.

Air intake ⇨ 121.

Closing

Lower the bonnet and allow it to drop into the catch. Check that the bonnet is engaged.

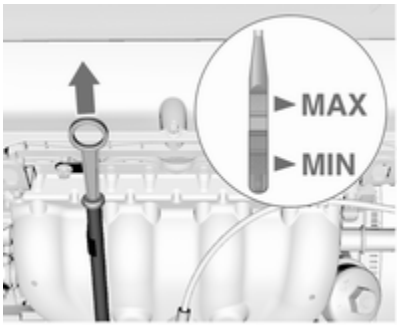
Engine oil

Engine oil level is checked automatically, Vehicle messages ⇨ 90. It is advisable to check the engine oil level manually before embarking on a long journey.

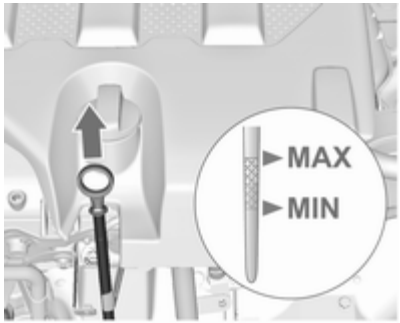
Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least 5 minutes.

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.

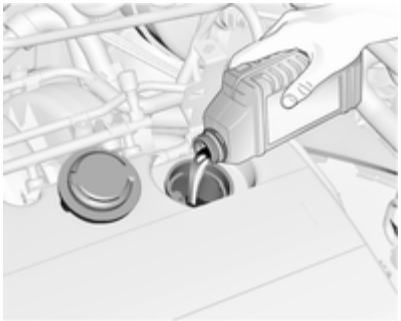


Different dipsticks are used depending on engine variant.



When the engine oil level has dropped to the **MIN** mark, top up engine oil.

Back to overview



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 ⇨ 216.

Fit the cap on straight and tighten it.

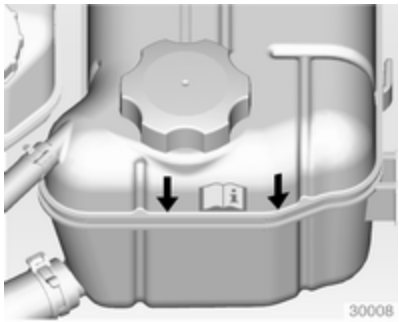
Engine coolant

The coolant provides freeze protection down to approx. -28 °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.

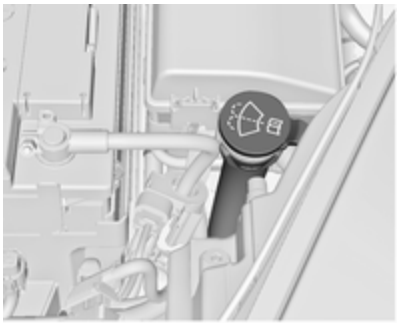
On another version the filling line mark is inside the filler opening. To check open the cap.

⚠Warning
Allow the engine to cool before opening the cap. Carefully open the cap, relieving the pressure slowly.

Back to overview

Top up with antifreeze. If no antifreeze is available, use clean tap water or distilled water. Install the cap tightly. Have the antifreeze 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 windscreen washer fluid which contains antifreeze.

Brakes

In the event of minimum thickness of the brake lining, illuminates. Additionally a code number or a vehicle message is displayed in the Driver Information Center. Vehicle messages ⇨ 90.

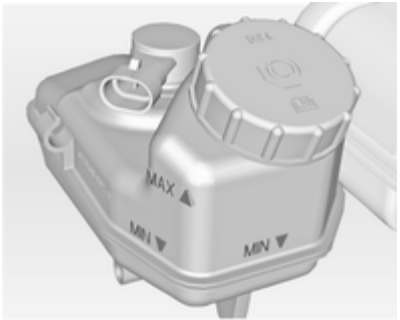
Continued driving is possible but have the brake lining replaced as soon as possible.

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 the **MAX** marks.

When topping up, ensure maximum cleanliness as contamination of the brake fluid can lead to brake system malfunctions. Have the cause of the loss of brake fluid remedied by a workshop.

Only use high-performance brake fluid approved for the vehicle, Brake and clutch fluid ⇨ 200.

Battery

The vehicle battery is maintenance-free.

Back to overview

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 4 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.

The anti-theft alarm siren must be deactivated as follows: Switch the ignition on then off, disconnect the vehicle's battery within 15 seconds.

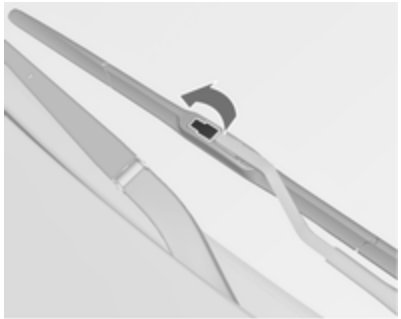
Battery discharge protection ⇨ 109.

Diesel fuel system bleeding

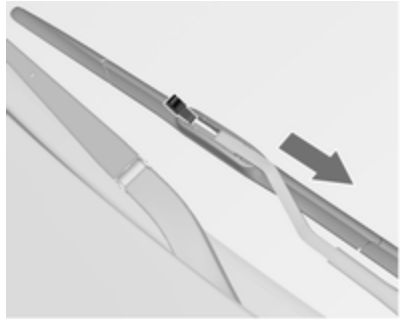
If the tank has been run dry, the diesel fuel system must be bled. Switch on the ignition three times for 15 seconds at a time. Then start the engine for a maximum of 40 seconds. Repeat this process after no less than 5 seconds. If the engine fails to start, seek the assistance of a workshop.

Wiper blade replacement

Wiper blades on the windscreen

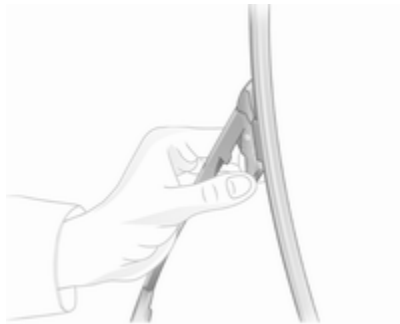


Lift the wiper arm, open the retaining clip.



Disengage the wiper blade and remove.

Wiper blade on the rear window



Back to overview

Lift the wiper arm, press the two catches on the arm, disengage the wiper blade and remove.

Bulb replacement

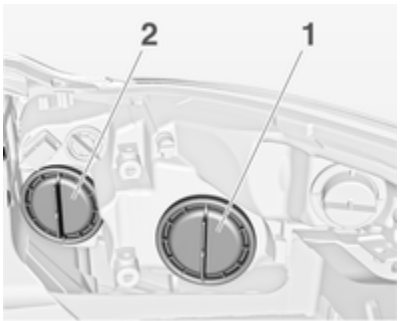
Switch off the ignition and switch off the relevant switch or close the doors.

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.

Halogen headlights

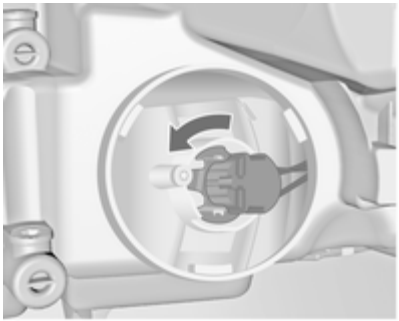


Headlights have separate systems for high beam **1** (inner bulbs) and low beam **2** (outer bulbs).

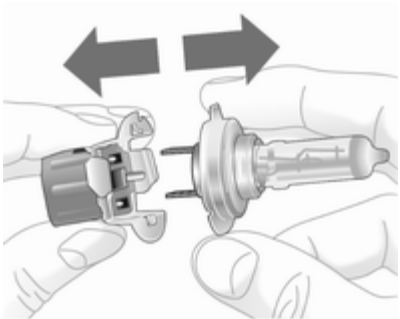
Low beam/Daytime running light

1. Rotate cap **1** anti-clockwise and remove.

Back to overview



2. Rotate bulb holder anti-clockwise to disengage. Withdraw the bulb holder from the reflector.



3. Detach bulb from bulb holder and renew the bulb.
4. Insert the bulb holder, engaging the two lugs into the reflector and rotate clockwise to secure.
5. Rotate bulb carrier clockwise as far as it will go.
6. Fit cap and rotate clockwise.

High beam

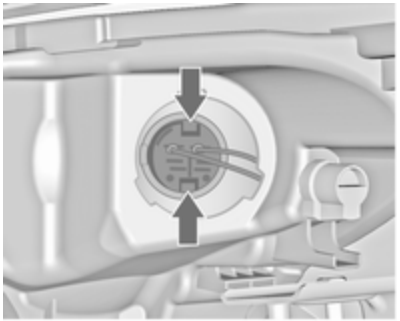
1. Rotate cap **2** anti-clockwise and remove.
2. Detach wiring connector from bulb.

3. Disengage spring clip from retainer by pressing forward and then swing downwards.
4. Withdraw bulb from reflector housing.
5. When installing the new bulb, insert lugs in the reflector recesses and engage the spring clip.
6. Install the wiring plug onto bulb.
7. Fit cap and rotate clockwise.

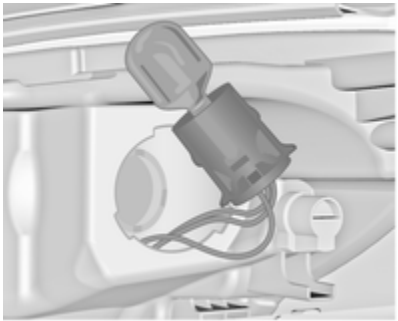
Back to overview

Sidelights

1. Rotate cap anti-clockwise and remove.



2. Press latches and withdraw sidelight bulb holder from reflector.

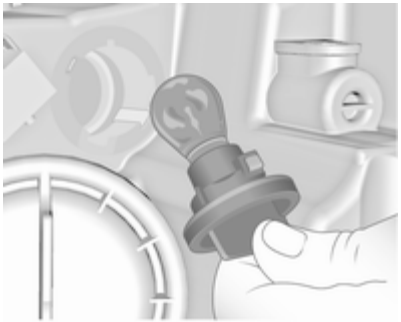


3. Remove bulb from socket and renew bulb.
4. Insert holder in reflector. Fit cap and rotate clockwise.

Front turn signal

1. Rotate bulb holder anti-clockwise and disengage.

Back to overview



2. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb.
3. Insert bulb holder in reflector, rotate clockwise to engage.

Xenon headlights

⚠ Danger

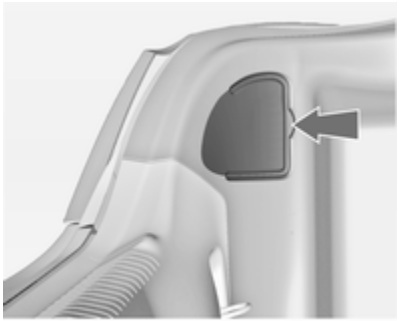
Xenon headlights work under extremely high electrical voltage. Do not touch. Have bulbs replaced by a workshop.

Fog lights

Have bulbs replaced by a workshop.

Tail lights

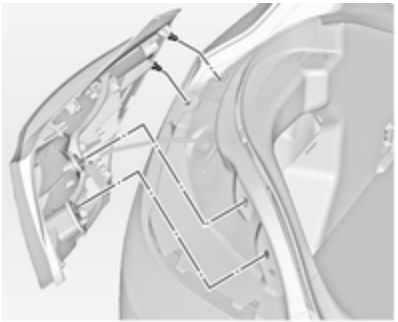
Saloon



1. Release cover and remove.

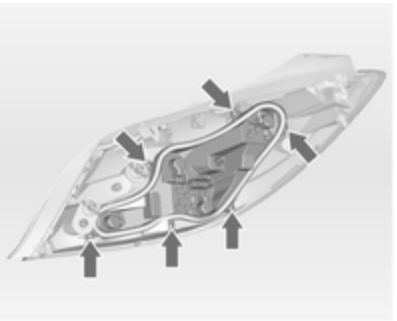
2. Unscrew two plastic securing nuts from the inside by hand.

Back to overview

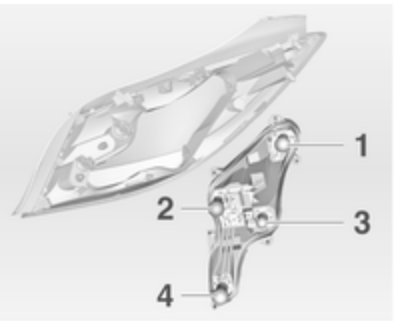


3. Remove tail light assembly. Take care that the cable duct remains in position.

   Detach wiring plug from bulb holder.



4. Unscrew the screws and remove bulb holder.



5. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb.

   Tail light/brake light (**1**)

   Turn signal light (**2**)

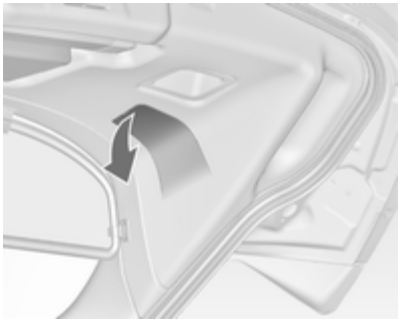
   Tail light (**3**)

   Reverse light / Rear fog light, may be only on one side (**4**)

6. Insert bulb holder into the tail light assembly and screw into place. Connect wiring plug. Install tail light assembly in body and tighten securing nuts. Close cover and engage.
7. Switch on ignition, operate and check all lights.

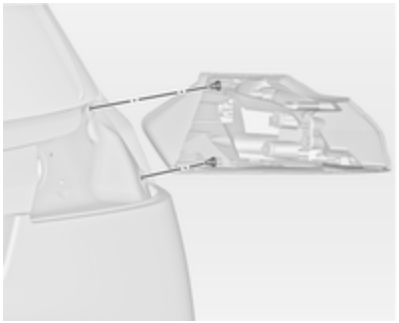
Back to overview

Station Wagon



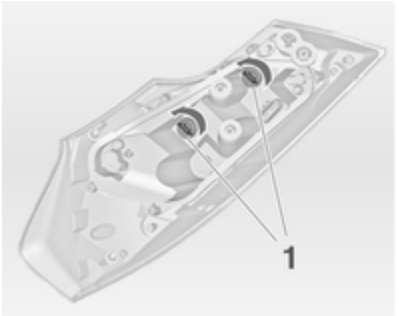
1. Release and open the cover in the tailgate.

2. Unscrew three plastic securing nuts by hand.



3. Remove tail light assembly. Take care that the cable duct remains in position.

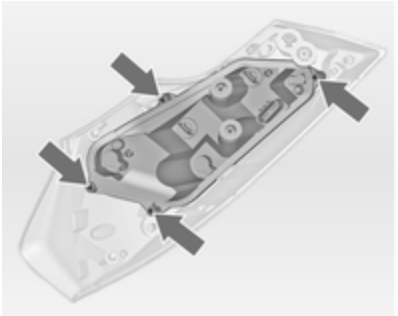
   Detach wiring plug from bulb holder.



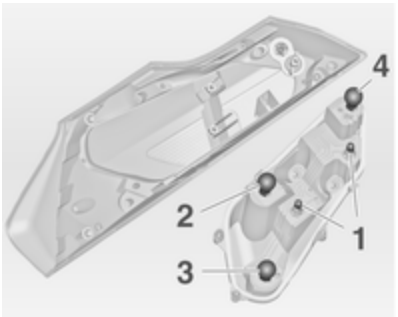
4. To change only the tail light (**1**), rotate plastic nut anticlockwise and remove it from the bulb holder.

   Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb. Insert plastic nut into bulb holder and rotate clockwise.

Back to overview



5. To change the other lights, unscrew the screws and remove bulb holder.



6. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb.

   Tail light (**1**)

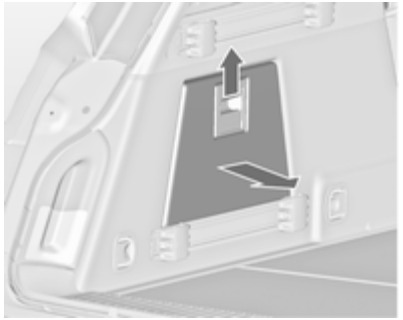
   Turn signal light (**2**)

   Brake light (**3**)

   Reverse light / Rear fog light, may be only on one side (**4**)
7. Insert bulb holder into the tail light assembly and screw into place. Connect wiring plug. Install tail light assembly in tailgate and tighten securing nuts. Close cover and engage.
8. Switch on ignition, operate and check all lights.

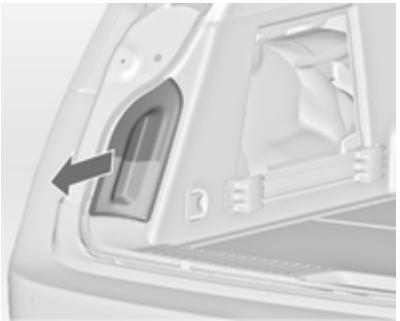
Additional tail lights in the tailgate frame

1. Open tailgate.

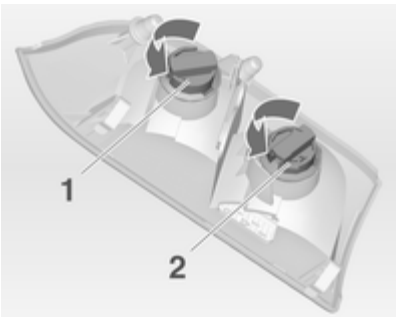


2. Release cover in side trim panel and remove.

Back to overview



3. Press out lamp housing from the inside of the side trim panel.



4. Rotate plastic nut anticlockwise and remove from the bulb holder.
5. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb. Insert plastic nut into bulb holder by rotating clockwise.

   Tail light (**1**)

   Turn signal light (**2**)
6. Insert bulb holder into the tailgate frame. Close cover in the side trim panel.

Side turn signal lights

Have bulbs replaced by a workshop.

Number plate light

1. Insert screwdriver in bulb housing, press to the side and release spring.

Back to overview

2. Remove bulb housing downwards, taking care not to pull on the cable.
3. Lift flap and disconnect wiring plug from bulb holder.

4. Rotate bulb holder anti-clockwise to disengage.
5. Remove bulb from holder and renew bulb.
6. Insert bulb holder in bulb housing and rotate clockwise.
7. Connect wiring plug to bulb holder.
8. Insert and engage bulb housing.

Interior lights

Courtesy light, reading lights

Have bulbs replaced by a workshop.

Load compartment light

1. Prise the lamp out with a screwdriver.

Back to overview

2. Press bulb slightly towards spring clip and remove.
3. Insert new bulb.
4. Install lamp.

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:

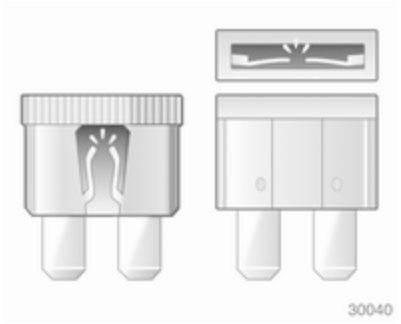
- in the front left of the engine compartment,
- in the interior behind the storage compartment, or, in right-hand drive vehicles, behind the glovebox,
- behind a cover on the left side of the load compartment.

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.

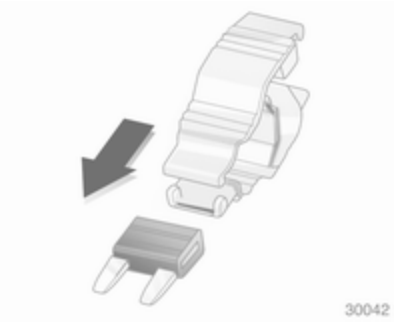
Fuses may also be inserted without existence of a function.

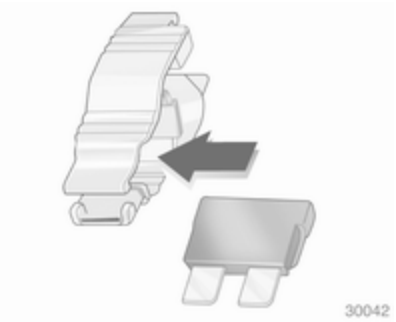


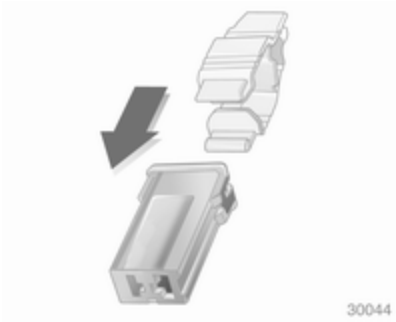
Fuse extractor

A fuse extractor may be located in the fuse box in the engine compartment.

Back to overview

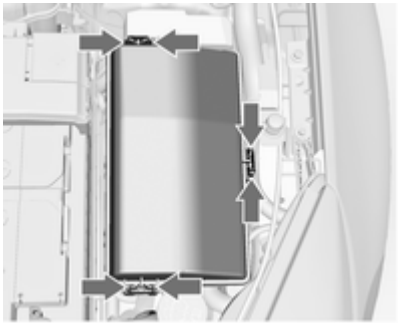






Place the fuse extractor on the various types of fuse from the top or side, and withdraw fuse.

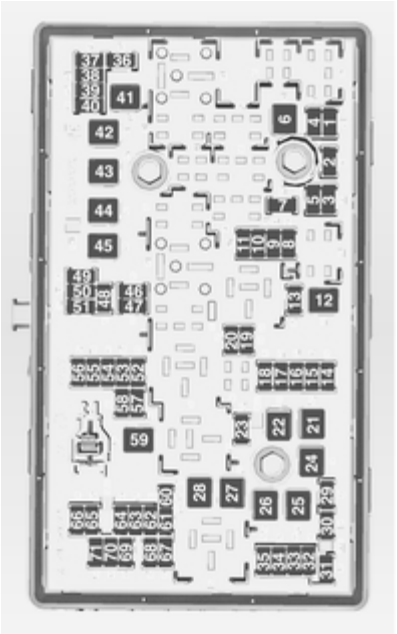
Engine compartment fuse box



The fuse box is in the front left of the engine compartment.

Disengage the cover, lift it upwards and remove.

Back to overview



No.	Circuit
1	Transmission control module
2	Engine control module
3	–
4	–
5	Ignition, Transmission control module, Engine control module
6	Windscreen wiper
7	–
8	Fuel injection, ignition system
9	Fuel injection, ignition system
10	Engine control module
11	Lambda probe
12	Starter
13	Sensor throttle heating
14	Lighting
15	Rear window wiper

No.	Circuit
16	Vacuum pump, compass module
17	Ignition, Airbag
18	Adaptive forward lighting
19	Adaptive forward lighting
20	Ignition
21	Rear power windows
22	ABS
23	Variable effort steering
24	Front power windows
25	Power outlets
26	ABS
27	Electrical parking brake
28	Heated rear window
29	Left power seat
30	Right power seat
31	Air conditioning system

Back to overview

No.	Circuit
32	Body control module
33	Heated front seats
34	Sunroof
35	Infotainment system
36	–
37	Right high beam
38	Left high beam
39	–
40	After boil pump
41	Vacuum pump
42	Radiator fan
43	–
44	Headlamp washer system
45	Radiator fan
46	Terminal 87, main relay
47	Lambda probe
48	Fog lights

No.	Circuit
49	Right low beam
50	Left low beam
51	Horn
52	Ignition
53	Ignition, ventilated front seats
54	Ignition
55	Power windows, mirror folding
56	Windscreen washer
57	Ignition
58	–
59	Diesel fuel heating
60	Mirror heating
61	Mirror heating
62	Canister Vent Solenoid
63	Rear window sensor
64	Adaptive forward lighting
65	Horn

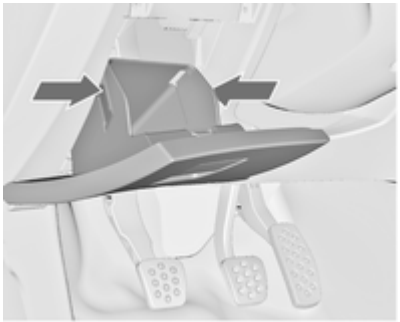
No.	Circuit
66	Rear window washer system
67	Fuel system control module
68	–
69	Battery sensor
70	Rain sensor
71	Body electronic supply

After changing of defective fuses close the fuse box cover and let it engage by pressing.

If the fuse box cover is not closed correctly, malfunction may occure.

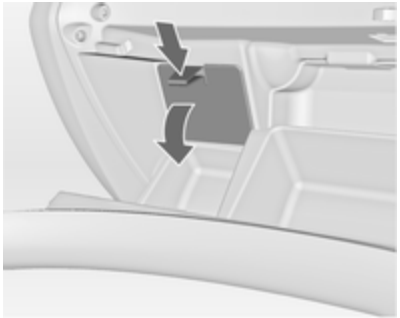
Back to overview

Instrument panel fuse box

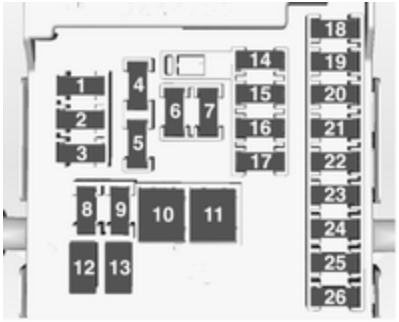


The fuse box is behind the storage compartment in the instrument panel.

Open compartment, compress the locking tabs, fold compartment down and remove.



In right-hand drive vehicles, the fuse box is located behind a cover in the glovebox. Open the glovebox and remove the cover.



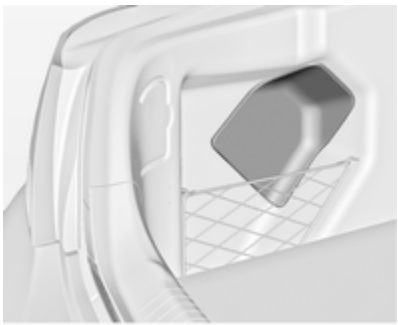
No.	Circuit
1	Infotainment system, Info display
2	Body control unit
3	Body control unit
4	Infotainment system, Info display
5	Infotainment system, Info display
6	Cigarette lighter
7	Power outlet

Back to overview

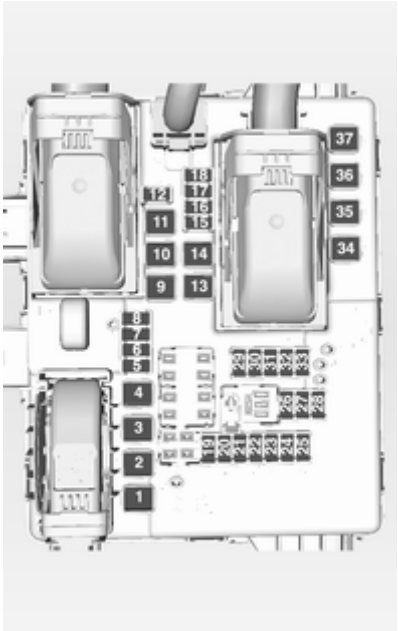
No.	Circuit
8	Body control unit
9	Body control unit
10	Body control unit
11	Interior fan
12	Power seats
13	Power seats
14	Diagnostic connector
15	Airbag
16	Central locking system, tailgate
17	Air conditioning system
18	Transportation fuse
19	Memory
20	Automatic occupant sensing system
21	Instrument
22	Ignition
23	Body control unit

No.	Circuit
24	Body control unit
25	Ignition switch
26	Power outlet load compartment

Load compartment fuse box



The fuse box is on the left side of the load compartment behind a cover. Remove the cover.



Back to overview

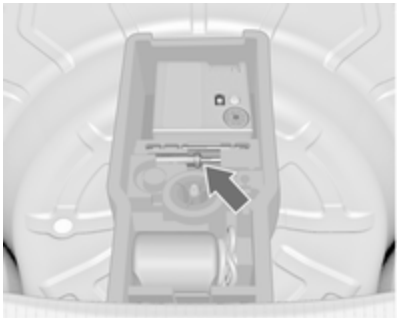
No.	Circuit
1	Central locking system, Power tailgate
2	Air conditioning system
3	Trailer module
4	–
5	Trailer socket
6	–
7	–
8	Trailer outlet
9	–
10	Coolant heater
11	Power seats
12	Memory seat
13	Level control system
14	–
15	–
16	–
17	Seat heating
18	Power tailgate lock
19	Sunshade switch
20	Cooling fan driver seat
21	Ignition
22	Sunshade
23	Anti-theft alarm system
24	Sidelight left
25	Sidelight right
26	Lighting, Cornering light
27	Lighting, Cornering light
28	–
29	Transportation fuse
30	Transportation fuse
31	Active damping system, High beam assist, Cruise control, Traffic sign assistant, Lane departure warning
32	Side obstacle detector
33	All-wheel drive
34	Sunroof
35	Central locking system
36	Power seats
37	–

Back to overview

Vehicle tools

Tools

Vehicles with tyre repair kit



The tools and tyre repair kit are in a storage compartment below the floor cover in the load compartment.

Vehicles with spare wheel

The jack and the tools are in a stowage compartment in the load compartment below the spare wheel. Spare wheel ⇨ 181.

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.

Tyres

Tyres of size

205/60 R 16, 215/55 R 17, 225/50 R 17, 225/45 R 18 and 235/45 R 18 are only to be used as winter tyres.

Winter tyres

Winter tyres improve driving safety at temperatures below 7 °C and should therefore be fitted on all wheels.

Tyres of size 245/45 R 18, 245/40 R 19 and 245/35 R 20 must not be used as winter tyres.

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 (100 mph)
S = up to 180 km/h (112 mph)
T = up to 190 km/h (118 mph)
H = up to 210 km/h (130 mph)
V = up to 240 km/h (150 mph)
W = up to 270 km/h (168 mph)

Back to overview

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.

On vehicles with tyre pressure monitoring system and metal tyre valve shafts, screw the adapter onto the valve. The adapter is located in the glovebox.

Tyre pressure ⇨ 218 and on the label on the front left door frame.

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.

⚠ 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 shall be reduced or increased on a vehicle with tyre pressure monitoring system, switch off ignition.

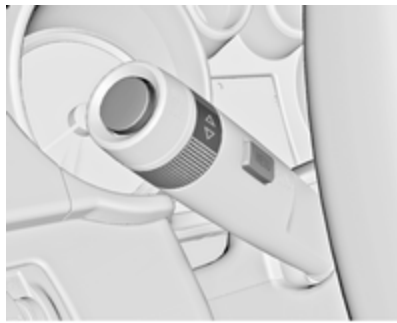
Tyre pressure monitoring system

The tyre pressure monitoring system checks the pressure of all four wheels once a minute when vehicle speed exceeds a certain limit.

All wheels must be equipped with pressure sensors and the tyres must have the prescribed pressure.

The current tyre pressures can be shown in the **Vehicle Information Menu** in the Driver Information Center with Uplevel-Display.

The menu can be selected by the buttons on the turn signal lever.



Back to overview

Press the **MENU** button to select the **Vehicle Information Menu**.

Turn the adjuster wheel to select the tyre pressure monitoring system.

System status and small pressure differences are displayed by a warning message with the corresponding tyre flashing or by a warning code in the Driver Information Center.

Furthermore considerable pressure differences between the tyres on one axle or a considerably increased tyre pressure are displayed by a warning message or by a warning code in the Driver Information Center.

Major pressure differences are indicated additionally by the control indicator (!).

Control indicator (!) ⇨ 86.

Vehicle messages ⇨ 90.

If the tyre pressure shall be reduced or increased, switch off ignition.

If a complete set of wheels without sensors is mounted (e.g. four winter tyres), a message or a code is displayed in the Driver Information Center. The tyre pressure monitoring system is not operational. Retrofitting of sensors is possible.

A spare wheel or temporary spare wheel is not equipped with pressure sensors. The tyre pressure monitoring system is not operational for these wheels. Control indicator (!) illuminates. For the further three wheels the system remains operational.

The use of commercially available liquid tyre repair kits can impair the function of the system. Factory approved systems can be used.

External high-power radio equipment could disrupt the tyre pressure monitoring system.

The tyre pressure monitoring system valve cores and sealing rings must be replaced each time the tyres are changed.

Adaptive threshold function

The tyre pressure monitoring system automatically detects if the vehicle is driven with a tyre pressure appropriate for a load of up to 3 people or for a full load.

If the tyre pressure shall be reduced, switch off ignition before reducing.

Auto learn function

After changing wheels the vehicle has to be stationary for approx. 20 minutes, before the system recalculates. The following relearn process takes up to 10 minutes of driving with a speed of minimum

Back to overview

20 km/h (12 mph). In this case – – can be displayed or pressure values can swap in the Driver Information Center.

If problems occur during the relearn process a warning message or a warning code is displayed in the Driver Information Center.

Temperature compensation

Cold tyres decrease the tyre pressure, warm tyres increase the tyre pressure. The tyre pressure monitoring system considers this effect for the warning messages.

The tyre pressure value displayed in the Driver Information Center shows the actual tyre pressure. Therefore it is important to check tyre pressure with cold tyres.

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).

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. Ensure that the direction of rotation of the wheels is the same as before.

Tyres age, even if they are not used. We recommend tyre replacement every 6 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.

⚠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.

Back to overview

Wheel covers must not impair brake cooling.

⚠Warning

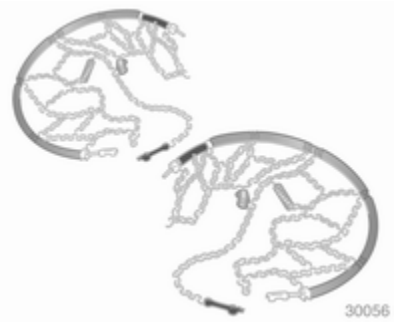
Use of unsuitable tyres or wheel covers could lead to sudden pressure loss and thereby accidents.

Wheel caps

Tyres of size 245/35 R20 have a specific wheel cap. To remove the cap from the dismantled wheel first disengage the arms one by one. Then press the cap in the middle area from behind and remove it.

To assemble first adjust the wheel cap in order that the positioning leg fits into the recess.

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 not permitted on tyres of size 225/55 R 17, 245/45 R 18, 245/40 R 19 and 245/35 R 20.

The use of tyre chains is not permitted on the temporary spare wheel.

Tyre repair kit

Minor damage to the tyre tread or sidewall 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 side wall near the rim cannot be repaired with the tyre repair kit.

⚠Warning

Do not drive faster than 80 km/h (50 mph).

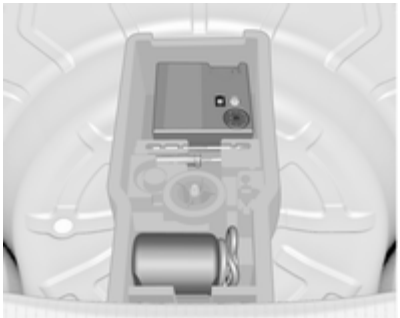
Do not use for a lengthy period.

Steering and handling may be affected.

If you have a flat tyre:

Apply the parking brake and engage first gear, reverse gear or **P**.

Back to overview



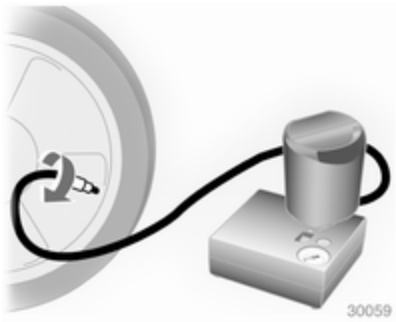
The tyre repair kit is in a compartment under the floor cover in the load compartment.

1. Take the tyre repair kit from the compartment.
2. Remove 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.

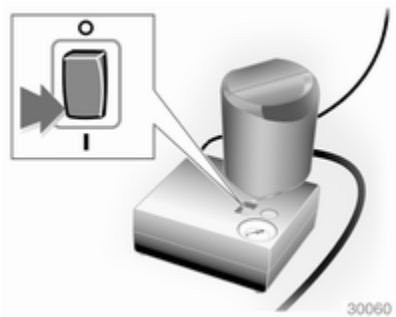


6. Unscrew valve cap from defective tyre.
7. Screw the filler hose to the tyre valve.
8. The switch on the compressor must be set to O.

Back to overview

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.

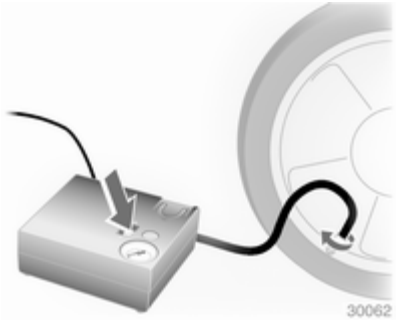
13. The prescribed tyre pressure should be obtained within 10 minutes. Tyre pressure ⇨ 218. When the correct pressure is obtained, switch off the compressor.

    If the prescribed tyre pressure is not obtained within 10 minutes, remove the tyre repair kit. Move the vehicle one tyre rotation. Reattach the tyre repair kit and continue the filling procedure for 10 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 10 minutes.
14. Detach the tyre repair kit. Push catch on bracket to remove sealant bottle from bracket. Screw tyre inflation hose to free connection of 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.

Back to overview



17. Continue driving immediately so that sealant is evenly distributed in the tyre. After driving approx. 10 km (6 miles) (but no more than 10 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 is 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.

Back to overview

Wheel changing

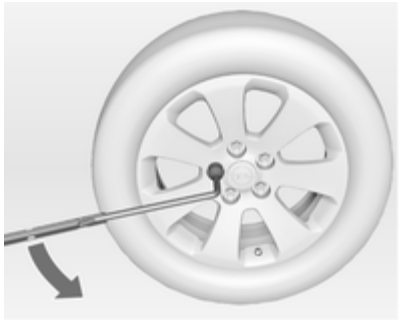
Some vehicles are equipped with a tyre repair kit instead of a spare wheel ⇨ 176.

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 ⇨ 181.
- 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.
- If the ground on which the vehicle is standing is soft, a solid board (max. 1 cm/0.4 inches thick) should be placed under the jack.
- 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 before mounting the wheel.

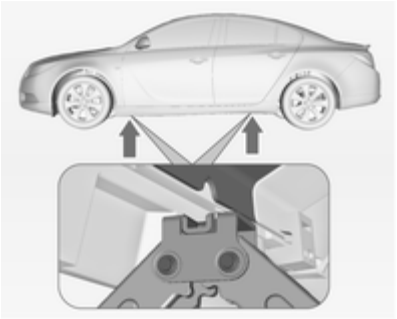
1. Disengage wheel nut caps with a screwdriver and remove. Pull off the wheel cover with the hook. Vehicle tools ⇨ 172.

   Alloy wheels: Disengage wheel nut caps with a screwdriver and remove. To protect the wheel, place a soft cloth between the screwdriver and the alloy wheel.

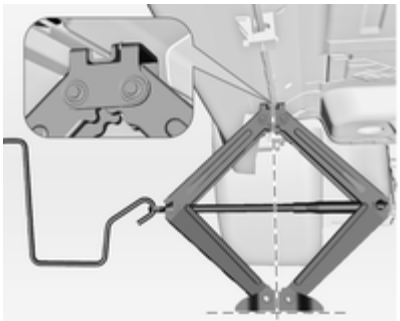


2. Fold out the wheel wrench and install ensuring that it locates securely and loosen each wheel nut by half a turn.

Back to overview



3. Ensure the jack is positioned correctly with the vehicle jacking points.



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

   Attach jack handle and with the jack correctly aligned rotate handle until wheel is clear of the ground.
5. Unscrew the wheel nuts.
6. Change the wheel.
7. Screw on the wheel nuts.
8. Lower vehicle.
9. Install the wheel wrench ensuring that it locates securely and tighten each nut in a crosswise sequence. Tightening torque is 150 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 ⇨ 176 and the vehicle tools ⇨ 172.
12. Check the tyre pressure of the installed tyre and also the wheel nut torque as soon as possible.

Have the defective tyre renewed or repaired.

Spare wheel

Some vehicles are equipped with a tyre repair kit instead of a spare wheel.

The spare wheel can be classified as a temporary spare wheel depending on the size compared to the other mounted wheels and country regulations.

Back to overview

The spare wheel has a steel rim.

Use of a spare wheel that is smaller than the other wheels or together 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. It is secured in the recess with a wing nut.

The spare wheel well is not designed for all permitted tyre sizes. If a wheel wider than the spare must be stowed in the spare wheel well after changing wheels, the floor cover can be placed on the projecting wheel.

Temporary spare wheel

Use of the temporary spare wheel could affect driveability. Have the defective tyre renewed or repaired as soon as possible.

Only mount one temporary spare wheel. Do not drive faster than 80 km/h (50 mph). Take curves slowly. Do not use for a long period of time.

Tyre chains ⇨ 176.

Directional tyres

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.
- Do not drive faster than 80 km/h (50 mph).
- Drive particularly carefully on wet and snow-covered road surfaces.

Back to overview

Jump starting

Do not start with quick charger.

A vehicle with a discharged battery can be started using jump leads and the battery of another vehicle.

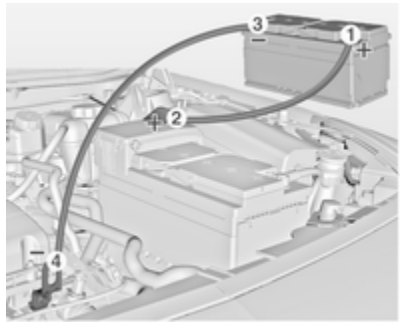
⚠Warning

Be extremely careful when starting with jump leads. Any deviation from the following instructions can lead to injuries or damage caused by battery explosion or damage to the electrical systems of both vehicles.

⚠Warning

Avoid contact 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 battery to naked flames or sparks.
- A discharged battery can already freeze at a temperature of 0 °C. Defrost the frozen battery before connecting jump leads.
- Wear eye protection and protective clothing when handling a battery.
- Use a booster battery with the same voltage (12 Volts). Its capacity (Ah) must not be much less than that of the discharged battery.
- Use jump leads with insulated terminals and a cross section of at least 16 mm^2 (25 mm^2 for diesel engines).
- Do not disconnect the discharged battery from the vehicle.
- Switch off all unnecessary electrical consumers.
- Do not lean over the battery during jump starting.
- Do not allow the terminals of one lead to touch those of the other lead.
- The vehicles must not come into contact with each other during the jump starting process.
- Apply the parking brake, transmission in neutral, automatic transmission in **P**.



Lead connection order:

1. Connect the red lead to the positive terminal of the booster battery.
2. Connect the other end of the red lead to the positive terminal of the discharged battery.

Back to overview

3. Connect the black lead to the negative terminal of the booster battery.
4. Connect the other end of the black lead to a vehicle grounding point, such as the engine block or an engine mounting bolt. Connect as far away from the discharged battery as possible.

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 5 minutes, start the other engine. Start attempts should be made for no longer than 15 seconds at an interval of 1 minute.
3. Allow both engines to idle for approx. 3 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

Disengage cap at bottom and remove downwards.

The towing eye is stowed with the vehicle tools ⇨ 172.

Back to overview

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.

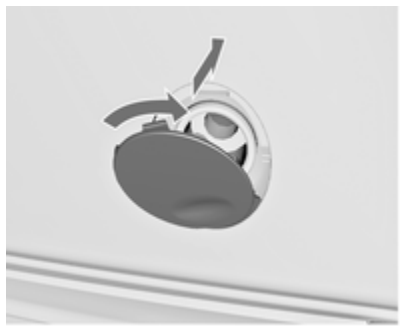
Vehicles with manual transmission and All-wheel drive: If the vehicle is towed with all four wheels on the ground then there are no technical limitations for speed and distance. If only one axle has been raised, the maximum speed is 50 km/h (30 mph). There is no distance limitation.

Vehicles with automatic transmission and Front-wheel drive: The vehicle must be towed facing forwards, not faster than 80 km/h (50 mph) nor further than 100 km (60 miles). In all other cases and when the transmission is defective, the front axle must be raised off the ground.

Vehicles with automatic transmission and All-wheel drive: The vehicle must be towed facing forwards. If the vehicle is towed with all four wheels on the ground, the maximum speed is 50 km/h (30 mph) and for a maximum of 50 km (30 miles). If the front axle has been raised, the maximum speed is 50 km/h (30 mph). There is no distance limitation.

Seek the assistance of a workshop.

After towing, unscrew the towing eye.



Back to overview

Insert cap below, turn slightly clockwise and close cap.

Towing another vehicle

Disengage cap at bottom and remove downwards.

The towing eye is stowed with the vehicle tools ⇨ 172.

Screw in the towing eye as far as it will go until it stops in a horizontal position.

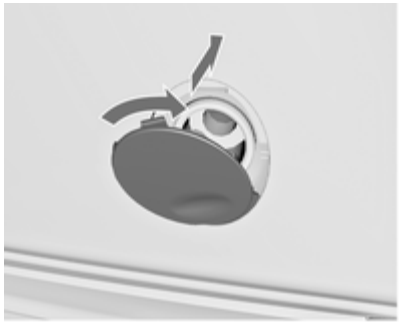
The lashing eye at the rear underneath the vehicle must never be used as a towing eye.

Attach a tow rope – or better still a tow rod – to the towing eye.

The towing eye must only be used for towing and not for recovering a vehicle.

Caution
Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

After towing, unscrew the towing eye.



Insert cap below, turn slightly clockwise and close cap.

Back to overview

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 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 wipers 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.

Have the door hinges of all doors greased by a workshop.

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.

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, make sure the heating element inside is not damaged.

Back to overview

For mechanical removal of ice, use a sharp-edged ice scraper. Press the scraper firmly against the glass so that no dirt can get under it and scratch the glass.

Clean smearing wiper blades with a soft cloth and window cleaner.

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 middle part of 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.

Interior care

Interior and upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

The instrument panel should only be cleaned using a soft damp cloth.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clean seat belts with lukewarm water or interior cleaner.

Caution
Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.

Back to overview

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.

Back to overview

Service and maintenance

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.

Service display ⇨ 80.

European service intervals

Due to the indication of the oil life system, however every 30,000 km (20,000 miles) or 1 year at the latest, whichever occurs first.

Service display ⇨ 80.

International service intervals

Due according to the indication of the oil life system, however every 15,000 km (10,000 miles) or 1 year at the latest, whichever occurs first.

Service display ⇨ 80.

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 length of the service intervals is based on several parameters stemming from usage. For this reason, various engine-specific data are continually gathered and is used to calculate the remaining engine oil life duration percentage.

The engine oil life system lets you know when to change the engine oil.

Service display ⇨ 80.

Back to overview

Scheduled maintenance

Service schedules

European service schedule

The european schedule is 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, Lithuania, Luxembourg, Macedonia, Malta, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

For all other countries the international schedule is valid.

Service operations	by year[1] / km (x 1,000)[1] / miles (x 1,000)[1]	1 / 30 / 20	2 / 60 / 40	3 / 90 / 60	4 / 120 / 80	5 / 150 / 100
Check visually control unit, lighting unit and signalling equipment as well as airbag, check steering wheel lock and ignition switch		X	X	X	X	X
Replace batteries for radio remote control (Do not forget the second key)				Every 2 years		
Check windscreen wiper, windscreen washer system, and headlight washer system		X	X	X	X	X
Check coolant level, antifreeze (pale orange)[2], correct.		X	X	X	X	X

[1] Whichever occurs first.
[2] In case of too high consumption / leakage, perform additional work with customer's agreement.

Back to overview

	Service operations	by year[1)] km (x 1,000)[1)] miles (x 1,000)[1)]	1 30 20	2 60 40	3 90 60	4 120 80	5 150 100
	Check brake fluid level[2)], correct		X		X		X
	Check battery terminals are firmly located, check battery eye		X	X	X	X	X
	Replace pollen filter or activated carbon filter			X		X	
●	If air is badly polluted, has a high dust or sand content, or pollen, smell of the air conditioning		Agreement with customer				
	Replace air cleaner insert		Every 4 years / 60,000 km / 40,000 miles				
⊕	Replace spark plugs		Every 4 years / 60,000 km / 40,000 miles				
	A 20 NHT, A 28 NET		Every 8 years / 120,000 km / 80,000 miles				
	Visually inspect ribbed V-belt			X		X	
	Replace ribbed V-belt, A 16 XER, A 18 XER, A 16 LET, A 20 NHT, A 28 NET, A 20 DTC, A 20 DTJ, A 20 DTH, A 20 DTR		Every 10 years / 150,000 km / 100,000 miles				
	Replace ribbed V-belt of water pump - power steering pump A 16 XER, A 18 XER, A 16 LET		Every 10 years / 120,000 km / 80,000 miles				

2) In case of too high consumption / leakage, perform additional work with customer's agreement.

Back to overview

	Service operations	by year[1)] km (x 1,000)[1)] miles (x 1,000)[1)]	1 30 20	2 60 40	3 90 60	4 120 80	5 150 100
⊕	Check valve clearance, adjust A 16 XER, A 18 XER		Every 10 years / 150,000 km / 100,000 miles				
⊕	Replace toothed belt and tension roller, A 16 XER, A 18 XER, A 16 LET A 20 DTC, A 20 DTH, A 20 DTJ		Every 10 years / 150,000 km / 100,000 miles				
	A 20 DTR		Every 10 years / 120,000 km / 80,000 miles				
	Inspect power steering for leaks, check / correct oil level[2)]		X	X	X	X	X
	Check hydraulic power steering (HPS) oil level (cap with dipstick)		X	X	X	X	X
	Change engine oil and engine oil filter		X	X	X	X	X
⊕●	Drain water from fuel filter, diesel (with high humidity and / or lower grade fuel)		X	X	X	X	X
	Replace and drain fuel filter, diesel (grade EN 590)			X		X	
	Visually inspect wheel mounting and suspension springs front and rear, brake lines, brake pressure hoses, fuel lines and exhaust system			X		X	
	Check exterior of body/underbody corrosion protection and note any damage in the Service and Warranty Booklet		X	X	X	X	X

[2)] In case of too high consumption / leakage, perform additional work with customer's agreement.

Back to overview

	Service operations	by year[1)] km (x 1,000)[1)] miles (x 1,000)[1)]	1 30 20	2 60 40	3 90 60	4 120 80	5 150 100
⊛●	Visually inspect front and rear wheel brakes[2)]		X	X	X	X	X
	Engine, transmission (AT, MT), inspect air-conditioning compressor for leaks[2)]		X	X	X	X	X
	Visually inspect folding covers on steering, tie rods and axle drive		X	X	X	X	X
	Tie rod and supporting joint checking		X	X	X	X	X
⊛	Change brake and clutch fluid		Every 2 years				
	Undo wheel fastening (take care if tyre pressure monitoring system is present) and tighten to torque: 150 Nm. The wheel nut taper is not allowed to be greased or oiled during assembly. Check tyre condition. Check/correct tyre pressure (including spare wheel) With tyre repair kit - check completeness and expiry date of kit.			X		X	
⊛	Annual service if annual mileage exceeds 20,000 km (12,000 miles)						
	Visually inspect first-aid kit, (presence in designated stowage compartment, completeness and expiry date), lashing eyes and warning triangle		Every 2 years				

2) In case of too high consumption / leakage, perform additional work with customer's agreement.

Back to overview

Service operations	by year[1)]	1	2	3	4	5
	km (x 1,000)[1)]	30	60	90	120	150
	miles (x 1,000)[1)]	20	40	60	80	100
Check/correct headlight adjustment (including auxiliary headlamps)			X		X	
Grease door hinges, door stop, lock cylinder, striker plate, bonnet lock, tailgate hinges			X		X	
Test drive, final inspection (check steering wheel lock and ignition switch, instruments and indicator lights, entire brake system, steering, air conditioning, engine, body and running gear), reset service interval display		X	X	X	X	X
For Germany only: emission test, and genaral inspection, note in Service and Warranty Booklet		For the first time after 3 years, then every 2 years				

⊕: Additional operations.

●: Under extreme operating conditions and if required by country-specific conditions, the intervals are reduced.

Back to overview

International service schedule

The international service schedule is valid for the countries which are not listed at the European service schedule.

	Service operations	by year[3] / km (x 1,000)[3] / miles (x 1,000)[1]	1 / 15 / 10	2 / 30 / 20	3 / 45 / 30	4 / 60 / 40	5 / 75 / 50
	Check visually control unit, lighting unit and signalling equipment as well as airbag, check steering wheel lock and ignition switch		X	X	X	X	X
	Replace batteries for radio remote control (Do not forget the second key)				Every 2 years		
	Check windscreen wiper, windscreen washer system, and headlight washer system		X	X	X	X	X
	Check coolant level, antifreeze (pale orange)[4], correct		X	X	X	X	X
	Check brake fluid level[4], correct		X		X		X
	Check battery terminals are firmly located, check battery eye		X	X	X	X	X
	Replace pollen filter or activated carbon filter			X		X	
●	If air is badly polluted, has a high dust or sand content, or pollen, smell of the air conditioning		Agreement with customer				
	Replace air cleaner insert		Every 4 years / 60,000 km / 40,000 miles				

[3] Whichever occurs first.
[1] Whichever occurs first.
[4] In case of too high consumption / leakage, perform additional work with customer's agreement.

Back to overview

	Service operations	by year[3] km (x 1,000)[3] miles (x 1,000)[1]	1 15 10	2 30 20	3 45 30	4 60 40	5 75 50
⊕	Replace spark plugs		Every 4 years / 60,000 km / 40,000 miles				
	A 20 NHT, A 28 NET		Every 8 years / 120,000 km / 80,000 miles				
	Visually inspect ribbed V-belt			X		X	
	Replace ribbed V-belt, A 16 XER, A 18 XER, A 16 LET, A 20 NHT, A 28 NET, A 20 DTC, A 20 DTJ, A 20 DTH, A 20 DTR		Every 10 years / 150,000 km / 100,000 miles				
	Replace ribbed V-belt of water pump - power steering pump A 16 XER, A 18 XER, A 16 LET		Every 10 years / 120,000 km / 80,000 miles				
⊕	Check valve clearance, adjust A 16 XER, A 18 XER		Every 10 years / 150,000 km / 100,000 miles				
⊕	Replace toothed belt and tension roller, A 16 XER, A 18 XER, A 16 LET A 20 DTC, A 20 DTH, A 20 DTJ		Every 10 years / 150,000 km / 100,000 miles				
	A 20 DTR		Every 10 years / 120,000 km / 80,000 miles				
	Inspect power steering for leaks, check / correct oil level[4]		X	X	X	X	X

[4] In case of too high consumption / leakage, perform additional work with customer's agreement.

Back to overview

Service operations	by year[3] / km (x 1,000)[3] / miles (x 1,000)[1]	1 / 15 / 10	2 / 30 / 20	3 / 45 / 30	4 / 60 / 40	5 / 75 / 50
Check hydraulic power steering (HPS) oil level (cap with dipstick)		X	X	X	X	X
Change engine oil and engine oil filter		X	X	X	X	X
⊕● Drain water from fuel filter, diesel (with high humidity and / or lower grade fuel)		X	X	X	X	X
Replace and drain fuel filter, diesel (grade EN 590)			X		X	
Visually inspect wheel mounting and suspension springs front and rear, brake lines, brake pressure hoses, fuel lines and exhaust system			X		X	
Check exterior of body/underbody corrosion protection and note any damage in the Service and Warranty Booklet		X	X	X	X	X
⊕● Visually inspect front and rear wheel brakes[4]		X	X	X	X	X
Engine, transmission (AT, MT), inspect air-conditioning compressor for leaks[4]		X	X	X	X	X
Visually inspect folding covers on steering, tie rods and axle drive		X	X	X	X	X
Tie rod and supporting joint checking		X	X	X	X	X
⊕ Change brake and clutch fluid		Every 2 years				

[4] In case of too high consumption / leakage, perform additional work with customer's agreement.

Back to overview

	Service operations	by year[3)] km (x 1,000)[3)] miles (x 1,000)[1)]	1 15 10	2 30 20	3 45 30	4 60 40	5 75 50
	Undo wheel fastening (take care if tyre pressure monitoring system is present) and tighten to torque: 150 Nm. The wheel nut taper is not allowed to be greased or oiled during assembly. Check tyre condition. Check/correct tyre pressure (including spare wheel) With tyre repair kit - check completeness and expiry date of kit.			X		X	
⊕	Annual service if annual mileage exceeds 20,000 km (12,000 miles)						
	Visually inspect first-aid kit, (presence in designated stowage compartment, completeness and expiry date), lashing eyes and warning triangle		Every 2 years				
	Check/correct headlight adjustment (including auxiliary headlamps)			X		X	
	Grease door hinges, door stop, lock cylinder, striker plate, bonnet lock, tailgate hinges			X		X	
	Test drive, final inspection (check steering wheel lock and ignition switch, instruments and indicator lights, entire brake system, steering, air conditioning, engine, body and running gear), reset service interval display		X	X	X	X	X

⊕: Additional operations.

●: Under extreme operating conditions and if required by country-specific conditions, the intervals are reduced.

Back to overview

Additional servicing

Additional operations ⊕

Additional operations are not required every service but can be performed in conjunction with a regular service. Time allowances for such work are not included in the scope of regular services and will be charged for additionally. It is more economic if these operations are performed as part of a scheduled service than having them performed separately.

Extreme operating conditions ●

Extreme operating conditions are given when at least one of the following occurs frequently:

- Cold starts
- Stop and go
- Trailer towing
- Gradients and/or high altitudes
- Poor road surfaces
- Sand and dust
- Extreme temperature fluctuations

Police vehicles, taxis and driving school vehicles are also classified as operating under extreme conditions.

Under extreme operating conditions, it may be necessary to have certain scheduled service work done more frequently than the scheduled intervals.

Seek technical advice on the servicing requirements dependent on the specific operating conditions.

Recommended fluids, lubricants and parts

Recommended fluids and lubricants

Only use products that have been tested and approved. Damage resulting from the use of non-approved materials will not be covered by the warranty.

⚠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 also its viscosity. Quality is more important than viscosity when selecting which engine oil to use.

Back to overview

Engine oil quality for European service schedules

GM-LL-A-025 = Petrol engines
GM-LL-B-025 = Diesel engines

GM = General Motors Europe
LL = Longlife
A or B = Engine oil quality specification
025 = Validity index

Engine oil meets classifications GM-LL-A-025 and GM-LL-B-025 and is therefore suitable for both petrol and diesel engines.

Engine oil quality for international service schedules

ACEA-A3/B3 = Petrol engines
ACEA-A3/B4 = Diesel engines

These oil qualities must only be used with the international service schedule.

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).

If engine oil of the required quality is not available, a maximum of 1 litre of ACEA A3/B4 or A3/B3 grade may be used (only once between each oil change). The viscosity should be of the correct rating.

Use of ACEA A1/B1 and A5/B5 engine oil is expressly forbidden, since they can cause long-term engine damage under certain operating conditions.

Engine oil additives

The use of engine oil additives could cause damage and invalidate the warranty.

Engine oil viscosity

Use only engine oil viscosities SAE 0W-30, 0W-40, 5W-30 or 5W-40.

The SAE viscosity rating defines the ability of an oil to flow. When cold, oil is more viscous than when hot.

Multigrade oil is indicated by two figures. The first figure, followed by a W, indicates low temperature viscosity and the second figure the high temperature viscosity.

Coolant and antifreeze

Use only silicate-free long life coolant (LLC) antifreeze.

The system is factory filled with coolant designed for frost protection down to approx. -28 °C. This concentration should be maintained all year round.

Coolant additives intended to give additional corrosion protection or seal against minor leaks can cause function problems. Liability for consequences resulting from the use of coolant additives will be rejected.

Brake and clutch fluid

Only use DOT4 brake fluid.

Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.

Brake fluid should be stored in a sealed container to avoid water absorption.

Ensure brake fluid does not become contaminated.

Back to overview

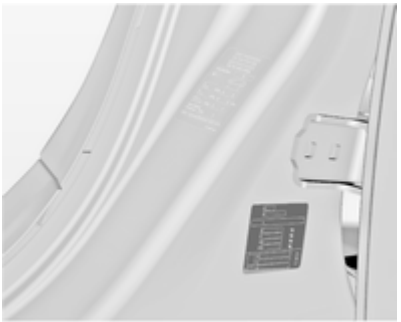
Technical data

Vehicle identification

Vehicle Identification Number

The Vehicle Identification Number is visible through the windscreen.

Identification plate



The identification plate is located on the front left door frame.

Back to overview

Information on identification plate:

1 = Manufacturer
2 = Type approval number
3 = Vehicle Identification Number
4 = Permissible gross vehicle weight rating
5 = Permissible gross train weight
6 = Maximum permissible front axle load
7 = Maximum permissible rear axle load
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.

Back to overview

Vehicle data

Engine data

Sales designation	1.6	1.6 Turbo	1.8	2.0 Turbo	2.8 V6 Turbo
Engine identifier code	**A16XER**	**A16LET**	**A18XER**	**A20NHT**	**A28NET**
Number of cylinders	4	4	4	4	6
Piston displacement [cm^3]	1598	1598	1796	1998	2792
Engine power [kW]	85	132	103	162	191
at rpm	6000	5500	6300	5300	5500
Torque [Nm]	155	230	175	350	350
at rpm	4000	2200-5500	3800	2000-4000	1900-4500
Fuel type	Petrol	Petrol	Petrol	Petrol	Petrol
Octane rating RON					
recommended	**95**	**95**	**95**	**95**	**95**
possible	98	98	98	98	98
possible	91	91[1)]	91	91	91[1)]
Oil consumption [l/1000 km]	0.6	0.6	0.6	0.6	0.6

[1)] Possible only if high engine load, full load or driving in mountainous terrain with a caravan/trailer or high payload is avoided.

Back to overview

Sales designation	**2.0 CDTI**	**2.0 CDTI**	**2.0 CDTI**	**2.0 CDTI**
Engine identifier code	**A20DTC**	**A20DTJ**	**A20DTH**	**A20DTR**
Number of cylinders	4	4	4	4
Piston displacement [cm^3]	1956	1956	1956	1956
Engine power [kW]	81	96	118	140
at rpm	4000	4000	4000	4500
Torque [Nm]	260	300	350	400
at rpm	1750-2500	1750-2500	1750-2500	2000
Fuel type	Diesel	Diesel	Diesel	Diesel
Oil consumption [l/1000 km]	0.6	0.6	0.6	0.6

Back to overview

Performance

Saloon

Engine	A16XER	A16LET	A18XER	A20NHT	A20NHT - All-wheel drive	A28NET
Top speed[2] [km/h] ([mph])						
Manual transmission	192 (120)	[3]	207 (129)	242 (150)	240 (149)	250 (155)
Automatic transmission	–	–	–	240 (149)	237 (147)	250 (155)

Engine	A20DTC	A20DTJ	A20DTH	A20DTR
Maximum speed[2] [km/h] ([mph])				
Manual transmission	190 (118)	205 (127)	218 (135)	[3]
Automatic transmission	–	204 (127)	215 (134)	[3]

[2] The maximum speed indicated is achievable at kerb weight (without driver) plus 200 kg payload. Optional equipment could reduce the specified maximum speed of the vehicle.

[3] Value was not available at time of printing.

Back to overview

Station wagon

Engine	A16XER	A16LET	A18XER	A20NHT	A20NHT - All-wheel drive	A28NET
Maximum speed[2] [km/h] ([mph])						
Manual transmission	187 (116)	220 (137)	202 (126)	236 (147)	234 (145)	250 (155)
Automatic transmission	–	–	–	234 (145)	231 (144)	248 (154)

Engine	A20DTC	A20DTJ	A20DTH	A20DTR
Maximum speed[2] [km/h] ([mph])				
Manual transmission	185 (115)	200 (124)	212 (132)	[3]
Automatic transmission	–	198 (123)	210 (130)	[3]

[2] The maximum speed indicated is achievable at kerb weight (without driver) plus 200 kg payload. Optional equipment could reduce the specified maximum speed of the vehicle.

[3] Value was not available at time of printing.

Back to overview

Fuel consumption - CO_2-emissions

Saloon

Manual transmission / automatic transmission.

Engine	A16XER	A16LET	A18XER	A20NHT	A20NHT All-wheel drive	A28NET
urban [l/100 km]	10.6/–	[4]	10.9/–	12.7/14.0	13.0/14.3	16.9/17.9
extra-urban [l/100 km]	5.9/–	[4]	6.0/–	6.7/7.0	7.0/7.2	7.4/7.9
total [l/100 km]	7.6/–	[4]	7.8/–	8.9/9.6	9.2/9.8	10.9/11.6
CO_2 [g/km]	179/–	[4]	184/–	209/225	215/229	256/272

Engine	A20DTC	A20DTJ	A20DTH	A20DTR
urban [l/100 km]	7.6/–	7.6/9.3	7.6/9.3	[4]
extra-urban [l/100 km]	4.8/–	4.8/5.3	4.8/5.3	[4]
total [l/100 km]	5.8/–	5.8/6.8	5.8/6.8	[4]
CO_2 [g/km]	154/–	154/179	154/179	[4]

[4] Value was not available at time of printing.

Back to overview

Station wagon

Manual transmission / automatic transmission.

Engine	A16XER	A16LET	A18XER	A20NHT	A20NHT All-wheel drive	A28NET
urban [l/100 km]	4)	4)	4)	4)	4)	4)
extra-urban [l/100 km]	4)	4)	4)	4)	4)	4)
total [l/100 km]	4)	4)	4)	4)	4)	4)
CO_2 [g/km]	4)	4)	4)	4)	4)	4)

Engine	A20DTC	A20DTJ	A20DTH	A20DTR
urban [l/100 km]	4)	4)	4)	4)
extra-urban [l/100 km]	4)	4)	4)	4)
total [l/100 km]	4)	4)	4)	4)
CO_2 [g/km]	4)	4)	4)	4)

4) Value was not available at time of printing.

Back to overview

Vehicle weight

Kerb weight, basic model without any optional equipment

Insignia Saloon 4-door	Engine	Manual transmission	Automatic transmission
without/with air conditioning [kg]	A16XER, A18XER	1503/–	–
	A16LET	–/1570	–
	A20DTC	–/1613	–
	A20DTH	1613/–	1613/–
	A20DTJ	–/1613	1613/–
	A20DTR	–/1665	–/1690
	A20DTR - All-wheel drive	–/1780	–/1805
	A20NHT	–/1613	–/1655
	A20NHT - All-wheel drive	–/1733	–/1770
	A28NET - All-wheel drive	–/1810	–/1835

Back to overview

Kerb weight, basic model without any optional equipment

Insignia Saloon 5-door	Engine	Manual transmission	Automatic transmission
without/with air conditioning [kg]	A16XER, A18XER	1503/–	–
	A16LET	–/1585	–
	A20DTC	–/1613	–
	A20DTH	1613/–	1655/–
	A20DTJ	–/1613	1655/–
	A20DTR	–/1680	–/1705
	A20DTR - All-wheel drive	–/1795	–/1820
	A20NHT	–/1645	–/1670
	A20NHT - All-wheel drive	–/1733	–/1785
	A28NET - All-wheel drive	–/1825	–/1843

Back to overview

Kerb weight, basic model without any optional equipment

Insignia Station wagon	Engine	Manual transmission	Automatic transmission
without/with air conditioning [kg]	A16XER	–/1610	–
	A16LET	–/1660	–
	A18XER	–/1613	–
	A20DTC	–/1730	–
	A20DTH	–/1733	1733/1743
	A20DTJ	–/1730	–/1733
	A20DTR	–/1733	–/1775
	A20DTR - All-wheel drive	–/1843	–/1900
	A20NHT	–/1725	–/1733
	A20NHT - All-wheel drive	–/1843	–/1843
	A28NET - All-wheel drive	–/1940	–/1953

Back to overview

Kerb weight, basic model with all optional equipment

Insignia Saloon 4-door	Engine	Manual transmission	Automatic transmission
without/with air conditioning [kg]	A16XER	–/1672	–
	A16LET	–/1729	–
	A18XER	–/1692	–
	A20DTC	–/1778	–
	A20DTH	–/1806	–/1829
	A20DTJ	–/1793	–/1819
	A20DTR	–/1822	–/1846
	A20DTR - All-wheel drive	–/1938	–/1962
	A20NHT	–/1789	–/1813
	A20NHT - All-wheel drive	–/1905	–/1929
	A28NET - All-wheel drive	–/1968	–/1992

Back to overview

Kerb weight, basic model with all optional equipment

Insignia Saloon 5-door	Engine	Manual transmission	Automatic transmission
without/with air conditioning [kg]	A16XER	–/1687	–
	A16LET	–/1744	–
	A18XER	–/1707	–
	A20DTC	–/1793	–
	A20DTH	–/1821	–/1844
	A20DTJ	–/1808	–/1834
	A20DTR	–/1837	–/1861
	A20DTR - All-wheel drive	–/1953	–/1977
	A20NHT	–/1804	–/1828
	A20NHT - All-wheel drive	–/1920	–/1944
	A28NET - All-wheel drive	–/1983	–/2007

Back to overview

Kerb weight, basic model with all optional equipment

Insignia Station wagon	Engine	Manual transmission	Automatic transmission
without/with air conditioning [kg]	A16XER	–/1784	–
	A16LET	–/1837	–
	A18XER	–/1799	–
	A20DTC	–/1899	–
	A20DTH	–/1918	–/1942
	A20DTJ	–/1908	–/1941
	A20DTR	–/1932	–/1956
	A20DTR - All-wheel drive	–/2053	–/2077
	A20NHT	–/1899	–/1923
	A20NHT - All-wheel drive	–/2021	–/2045
	A28NET - All-wheel drive	–/2074	–/2098

Back to overview

Vehicle dimensions

	Saloon 4-door	Saloon 5-door	Station wagon
Length [mm]	4830	4830	4908
Width without exterior mirrors [mm]	1856	1856	1856
Width with two exterior mirrors [mm]	2084	2084	2084
Height (without antenna) [mm]	1498	1498	1520
Length of load compartment floor [mm]	1003	1003	1086
Length of load compartment with folded rear seats [mm]	1895	1895	1908
Load compartment width [mm]	1027	1027	1030
Load compartment height [mm]	356	436	677
Wheelbase [mm]	2737	2737	2737
Turning circle diameter [m]	11.4	11.4	11.4

Capacities

Engine oil

Engine	A16XER	A16LET	A18XER	A20NHT	A28NET
including Filter [l]	4.5	4.5	4.5	6.0	6.3
between MIN and MAX [l]	1.0	1.0	1.0	1.0	1.0

Back to overview

Engine	A20DTC	A20DTJ	A20DTH	A20DTR
including Filter [l]	4.5	4.5	4.5	4.5
between MIN and MAX [l]	1.0	1.0	1.0	1.0

Fuel tank

Petrol/diesel, nominal capacity [l]	70

Back to overview

Tyre pressures

Tyre pressures for vehicles with front-wheel drive

Saloon

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A16XER	205/60 R16[5],	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	220/2.2 (32)	270/2.7 (39)
	215/60 R16,						
	215/55 R17[5],						
	225/45 R18[5)6)]						
	225/55 R17,						
	225/50 R17[5)6)],						
	235/45 R18[5],						
	245/45 R18,						
	245/40 R19[6)],						
	245/35 R20[6)]						

[5] Only permitted as winter tyres.

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A16 LET	225/50 R17[5)6)],	220/2.2 (32)	200/2.0 (29)	–	–	220/2.2 (32)	270/2.7 (39)
	225/45 R18[5)6)]						
	215/55 R17[5)],	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	220/2.2 (32)	270/2.7 (39)
	225/55 R17,						
	235/45 R18[5)],						
	245/45 R18,						
	245/40 R19[6)],						
	245/35 R20[6)]						

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A18XER	205/60 R16[5)],	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	220/2.2 (32)	270/2.7 (39)
	215/60 R16,						
	215/55 R17[5)],						
	225/55 R17,						
	225/50 R17[5)6)],						
	225/45 R18[5)6)],						
	235/45 R18[5)],						
	245/45 R18,						
	245/40 R19[6)],						
	245/35 R20[6)]						

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20NHT with manual transmission	225/50 R17[5)6)], 225/45 R18[5)6)]	240/2.4 (35)	220/2.2 (32)	–	–	250/2.5 (36)	300/3.0 (43)
	215/55 R17[5)], 225/55 R17, 235/45 R18[5)], 245/45 R18, 245/40 R19[6)]	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	220/2.2 (32)	270/2.7 (39)
	245/35 R20[6)]	230/2.3 (33)	210/2.1 (30)	270/2.7 (39)	260/2.6 (38)	250/2.5 (36)	300/3.0 (43)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20NHT with automatic transmission	225/50 R17[5)6)], 225/45 R18[5)6)]	240/2.4 (35)	220/2.2 (32)	–	–	250/2.5 (36)	300/3.0 (43)
	215/55 R17[5)], 225/55 R17, 235/45 R18[5)], 245/45 R18, 245/40 R19 [6)]	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	220/2.2 (32)	270/2.7 (39)
	245/35 R20[6)]	240/2.4 (35)	220/2.2 (32)	270/2.7 (39)	260/2.6 (38)	250/2.5 (36)	300/3.0 (43)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTC	225/50 R17[5)6)],	220/2.2 (32)	200/2.0 (29)	–	–	220/2.2 (32)	270/2.7 (39)
	225/45 R 18[5)6)]						
	215/60 R16,	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	220/2.2 (32)	270/2.7 (39)
	215/55 R17[5)],						
	225/55 R17,						
	235/45 R18[5)],						
	245/45 R18						

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTJ with manual transmission	215/60 R16,	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	230/2.3 (33)	280/2.8 (41)
	225/50 R17[5)6)],						
	225/45 R 18[5)6)]						
	215/55 R17[5)],	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	220/2.2 (32)	270/2.7 (39)
	225/55 R17,						
	235/45 R18[5)],						
	245/45 R18,						
	245/40 R19[6)]						
	245/35 R20[6)]	230/2.3 (33)	210/2.1 (30)	270/2.7 (39)	260/2.6 (38)	230/2.3 (33)	280/2.8 (41)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTJ with automatic transmission	215/60 R16,	230/2.3 (33)	210/2.1 (30)	270/2.7 (39)	260/2.6 (38)	230/2.3 (33)	280/2.8 (41)
	225/50 R17[5)6)],						
	225/45 R18[5)6)]						
	215/55 R17[5)],	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	220/2.2 (32)	270/2.7 (39)
	225/55 R17,						
	235/45 R18[5)],						
	245/45 R18,						
	245/40 R19[6)]						
	245/35 R20[6)]	230/2.3 (33)	210/2.1 (30)	270/2.7 (39)	260/2.6 (38)	230/2.3 (33)	280/2.8 (41)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTH with manual transmission	215/60 R16	230/2.3 (33)	210/2.1 (30)	270/2.7 (39)	260/2.6 (38)	240/2.4 (35)	290/2.9 (42)
	225/50 R17[5)6)], 225/45 R 18[5)6)]	240/2.4 (35)	220/2.2 (32)	–	–	240/2.4 (35)	290/2.9 (42)
	215/55 R 17[5)], 225/55 R 17, 235/45 R18[5)], 245/45 R18, 245/40 R19[6)]	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	220/2.2 (32)	270/2.7 (39)
	245/35 R20[6)]	220/2.2 (32)	210/2.1 (29)	270/2.7 (39)	260/2.6 (38)	230/2.3 (33)	280/2.8 (41)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTH with automatic transmission	225/50 R17[5)6)], 225/45 R 18[5)6)]	240/2.4 (35)	220/2.2 (32)	–	–	240/2.4 (35)	290/2.9 (42)
	215/55 R 17[5)], 225/55 R 17, 235/45 R18[5)], 245/45 R18, 245/40 R19[6)]	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	220/2.2 (32)	270/2.7 (39)
	245/35 R20[6)]	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	230/2.3 (33)	280/2.8 (41)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTR	215/55 R17[5],	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	230/2.3 (33)	280/2.8 (41)
	225/55 R17,						
	235/45 R18[5],						
	245/45 R18,						
	245/40 R19[6]						
	225/50 R17[5][6],	240/2.4 (34)	220/2.2 (32)	–	–	250/2.5 (36)	300/3.0 (43)
	225/45 R18[5][6]						
	245/35 R20[6]	230/2.3 (33)	210/2.1 (30)	270/2.7 (39)	260/2.6 (38)	240/2.4 (34)	290/2.9 (41)
All	Temporary spare wheel	420/4.2 (61)	420/4.2 (61)	–	–	420/4.2 (61)	420/4.2 (61)

[5] Only permitted as winter tyres.
[6] Reinforced variant (XL).

Back to overview

Station wagon

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A16XER	205/60 R16[5)],	220/2.2 (32)	240/2.4 (34)	270/2.7 (39)	290/2.9 (41)	220/2.2 (32)	290/2.9 (42)
	215/60 R16,						
	215/55 R 17,						
	225/50 R17[6)],						
	225/45 R 18[5)6)],						
	235/45 R18[5)],						
	245/45 R18						
	225/55 R17	220/2.2 (32)	240/2.4 (34)	300/3.0 (43)	300/3.0 (43)	220/2.2 (32)	290/2.9 (42)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A18XER	205/60 R16[5],	220/2.2 (32)	240/2.4 (34)	270/2.7 (39)	290/2.9 (41)	220/2.2 (32)	290/2.9 (42)
	215/60 R16,						
	215/55 R 17,						
	225/50 R17[6],						
	225/45 R 18[5][6],						
	235/45 R18[5],						
	245/45 R18,						
	245/40 R19[6],						
	245/35 R20[6]						
	225/55 R17	220/2.2 (32)	240/2.4 (34)	300/3.0 (43)	300/3.0 (43)	220/2.2 (32)	290/2.9 (42)

[5] Only permitted as winter tyres.
[6] Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A16 LET	225/50 R17[6], 215/55 R 17, 235/45 R18[5], 245/45 R18, 245/40 R19[6], 245/35 R20[6]	220/2.2 (32)	240/2.4 (34)	270/2.7 (39)	290/2.9 (42)	220/2.2 (32)	290/2.9 (42)
	225/55 R17	220/2.2 (32)	240/2.4 (34)	300/3.0 (43)	300/3.0 (43)	220/2.2 (32)	290/2.9 (42)
	225/45 R 18[5][6]	230/2.3 (33)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	240/2.4 (34)	310/3.1 (45)

[6] Reinforced variant (XL).
[5] Only permitted as winter tyres.

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20NHT	225/50 R17[6], 235/45 R18[5]	240/2.4 (34)	260/2.6 (38)	270/2.7 (39)	290/2.9 (42)	250/2.5 (36)	320/3.2 (46)
	225/45 R 18[5][6]	270/2.7 (39)	290/2.9 (42)	270/2.7 (39)	290/2.9 (42)	280/2.8 (40)	350/3.5 (51)
	215/55 R 17[6]	230/2.3 (33)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	250/2.5 (36)	320/3.2 (46)
	225/55 R17	220/2.2 (32)	240/2.4 (34)	300/3.0 (43)	300/3.0 (43)	220/2.2 (32)	290/2.9 (42)
	245/45 R18	220/2.2 (32)	240/2.4 (34)	270/2.7 (39)	290/2.9 (42)	230/2.3 (33)	300/3.0 (43)
	245/40 R19[6]	220/2.2 (32)	240/2.4 (34)	270/2.7 (39)	290/2.9 (42)	220/2.2 (32)	290/2.9 (42)
	245/35 R20[6]	230/2.3 (33)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	240/2.4 (35)	310/3.1 (45)

[6] Reinforced variant (XL).
[5] Only permitted as winter tyres.

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTC	225/50 R17[6], 215/55 R 17, 235/45 R18[5]	220/2.2 (32)	240/2.4 (34)	270/2.7 (39)	290/2.9 (42)	230/2.3 (33)	300/3.0 (43)
	225/45 R 18[5][6]	250/2.5 (36)	270/2.7 (39)	–	–	250/2.5 (36)	320/3.2 (46)
	245/45 R18	220/2.2 (32)	240/2.4 (35)	270/2.7 (39)	290/2.9 (42)	220/2.2 (32)	290/2.9 (42)
	225/55 R17	220/2.2 (32)	240/2.4 (35)	300/3.0 (43)	300/3.0 (43)	220/2.2 (32)	290/2.9 (42)

[6] Reinforced variant (XL).
[5] Only permitted as winter tyres.

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTJ with manual transmission	225/45 R 18[5)6)]	250/2.5 (36)	270/2.7 (39)	–	–	250/2.5 (36)	320/3.2 (46)
	215/55 R 17, 225/50 R17[6)], 235/45 R18[5)]	220/2.2 (32)	240/2.4 (35)	270/2.7 (39)	290/2.9 (42)	230/2.3 (33)	300/3.0 (43)
	225/55 R17	220/2.2 (32)	240/2.4 (35)	300/3.0 (43)	300/3.0 (43)	220/2.2 (32)	290/2.9 (42)
	245/45 R18, 245/40 R19[6)], 245/35 R20[6)]	220/2.2 (32)	240/2.4 (35)	270/2.7 (39)	290/2.9 (42)	220/2.2 (32)	290/2.9 (42)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTJ with automatic transmission	225/45 R 18[5)6)]	250/2.5 (36)	270/2.7 (39)	–	–	250/2.5 (36)	320/3.2 (46)
	215/55 R 17, 225/50 R17[6)], 235/45 R18[5)]	220/2.2 (32)	240/2.4 (35)	270/2.7 (39)	290/2.9 (42)	230/2.3 (33)	300/3.0 (43)
	225/55 R17	220/2.2 (32)	240/2.4 (35)	300/3.0 (43)	300/3.0 (43)	220/2.2 (32)	290/2.9 (42)
	245/45 R18, 245/40 R19[6)]	220/2.2 (32)	240/2.4 (35)	270/2.7 (39)	290/2.9 (42)	220/2.2 (32)	290/2.9 (42)
	245/35 R20[6)]	220/2.2 (32)	240/2.4 (35)	270/2.7 (39)	290/2.9 (42)	230/2.3 (33)	300/3.0 (43)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTH with manual transmission	225/45 R 18[5)6)]	260/2.6 (38)	280/2.8 (41)	–	–	260/2.6 (38)	330/3.3 (48)
	215/55 R 17, 225/50 R17[6)]	230/2.3 (33)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	240/2.4 (35)	310/3.1 (45)
	225/55 R 17	220/2.2 (32)	240/2.4 (35)	300/3.0 (43)	300/3.0 (43)	220/2.2 (32)	290/2.9 (42)
	235/45 R18[5)]	230/2.3 (33)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	230/2.3 (33)	300/3.0 (43)
	245/45 R18, 245/40 R19[6)]	220/2.2 (32)	240/2.4 (35)	270/2.7 (39)	290/2.9 (42)	220/2.2 (32)	290/2.9 (42)
	245/35 R20[6)]	220/2.2 (32)	240/2.4 (35)	270/2.7 (39)	290/2.9 (42)	230/2.3 (33)	300/3.0 (43)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTH with automatic transmission	225/45 R 18[5)6)]	260/2.6 (38)	280/2.8 (41)	–	–	260/2.6 (38)	330/3.3 (48)
	215/55 R 17, 225/50 R17[6)]	230/2.3 (33)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	240/2.4 (35)	310/3.1 (45)
	225/55 R 17	220/2.2 (32)	240/2.4 (35)	300/3.0 (43)	300/3.0 (43)	220/2.2 (32)	290/2.9 (42)
	235/45 R18[5)]	230/2.3 (33)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	240/2.4 (35)	310/3.1 (45)
	245/45 R18, 245/40 R19[6)]	220/2.2 (32)	240/2.4 (35)	270/2.7 (39)	290/2.9 (42)	220/2.2 (32)	290/2.9 (42)
	245/35 R20[6)]	230/2.3 (33)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	230/2.3 (33)	300/3.0 (43)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
All	Temporary spare wheel	420/4.2 (61)	420/4.2 (61)	–	–	420/4.2 (61)	420/4.2 (61)

Back to overview

Tyre pressures for vehicles with all-wheel drive

Saloon

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20NHT with manual transmission	225/50 R17[5)6)],	250/2.5 (36)	230/2.3 (33)	–	–	250/2.5 (36)	300/3.0 (43)
	225/45 R 18[5)6)]						
	215/55 R17[5)],	230/2.3 (33)	210/2.1 (30)	270/2.7 (39)	260/2.6 (38)	240/2.4 (35)	290/2.9 (42)
	225/55 R17,						
	235/45 R18[5)],						
	245/45 R18,						
	245/40 R19						
	245/35 R20[6)]	240/2.4 (35)	220/2.2 (32)	270/2.7 (39)	260/2.6 (38)	250/2.5 (36)	300/3.0 (43)

[5)] Only permitted as winter tyres.
[6)] Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20NHT with automatic transmission	225/50 R17[5)6)], 225/45 R 18[5)6)]	260/2.6 (38)	240/2.4 (35)	–	–	260/2.6 (38)	310/3.1 (45)
	215/55 R17[5)], 225/55 R17, 235/45 R18[5)], 245/45 R18, 245/40 R19	230/2.3 (33)	210/2.1 (30)	270/2.7 (39)	260/2.6 (38)	240/2.4 (35)	290/2.9 (42)
	245/35 R20[6)]	250/2.5 (36)	230/2.3 (33)	270/2.7 (39)	260/2.6 (38)	250/2.5 (36)	300/3.0 (43)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTR with manual transmission	225/50 R17[5)6)],	250/2.5 (36)	230/2.3 (33)	–	–	260/2.6 (38)	310/3.1 (45)
	225/45 R 18[5)6)]						
	215/55 R 17[5)],	220/2.2 (32)	200/2.0 (29)	270/2.7 (39)	260/2.6 (38)	230/2.3 (33)	280/2.8 (41)
	225/55 R 17,						
	235/45 R18[5)],						
	245/45 R18,						
	245/40 R19						
	245/35 R20[6)]	240/2.4 (35)	220/2.2 (32)	270/2.7 (39)	260/2.6 (38)	250/2.5 (36)	300/3.0 (43)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTR with automatic transmission	225/50 R17[5)6)], 225/45 R 18[5)6)]	250/2.5 (36)	230/2.3 (33)	–	–	260/2.6 (38)	310/3.1 (45)
	215/55 R 17[5)], 225/55 R 17, 235/45 R18[5)], 245/45 R18, 245/40 R19	230/2.3 (33)	210/2.1 (30)	270/2.7 (39)	260/2.6 (38)	240/2.4 (35)	290/2.9 (42)
	245/35 R20[6)]	240/2.4 (35)	220/2.2 (32)	270/2.7 (39)	260/2.6 (38)	250/2.5 (36)	300/3.0 (43)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A28NET with manual transmission	225/50 R17[5)6)],	270/2.7 (39)	250/2.5 (36)	–	–	270/2.7 (39)	320/3.2 (46)
	225/45 R18[5)6)]						
	215/55 R17[5)],	260/2.6 (38)	240/2.4 (35)	–	–	270/2.7 (39)	320/3.2 (46)
	225/55 R17,						
	235/45 R18[5)],						
	245/45 R18,						
	245/40 R19						
	245/35 R20[6)]	270/2.7 (39)	250/2.5 (36)	–	–	280/2.8 (41)	330/3.3 (48)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A28NET with automatic transmission	225/50 R17[5)6)], 225/45 R 18[5)6)], 215/55 R17[5)], 225/55 R17, 235/45 R18[5)], 245/45 R18,	270/2.7 (39)	250/2.5 (36)	–	–	280/2.8 (41)	330/3.3 (48)
	245/40 R19, 245/35 R20[6)]	270/2.7 (39)	250/2.5 (36)	–	–	280/2.8 (41)	330/3.3 (48)
All	Temporary spare wheel	420/4.2 (61)	420/4.2 (61)	–	–	420/4.2 (61)	420/4.2 (61)

5) Only permitted as winter tyres.
6) Reinforced variant (XL).

Back to overview

Station wagon

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20NHT with manual transmission	225/50 R17[6], 215/55 R17[6]	250/2.5 (36)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	250/2.5 (36)	320/3.2 (46)
	225/55 R17	220/2.2 (32)	220/2.2 (32)	300/3.0 (43)	300/3.0 (43)	220/2.2 (32)	290/2.9 (42)
	225/45 R 18[5][6]	270/2.7 (39)	270/2.7 (39)	–	–	280/2.8 (41)	340/3.4 (49)
	235/45 R18[5]	250/2.5 (36)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	260/2.6 (38)	330/3.3 (48)
	245/45 R18	220/2.2 (32)	220/2.2 (32)	270/2.7 (39)	290/2.9 (42)	230/2.3 (33)	300/3.0 (43)
	245/40 R19	220/2.2 (32)	220/2.2 (32)	270/2.7 (39)	290/2.9 (42)	220/2.2 (32)	290/2.9 (42)
	245/35 R20[6]	240/2.4 (35)	240/2.4 (35)	270/2.7 (39)	290/2.9 (42)	240/2.4 (35)	310/3.1 (45)

[6] Reinforced variant (XL).
[5] Only permitted as winter tyres.

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20NHT with automatic transmission	225/50 R17[6], 215/55 R17[6]	250/2.5 (36)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	260/2.6 (38)	330/3.3 (48)
	225/55 R17	220/2.2 (32)	220/2.2 (32)	300/3.0 (43)	300/3.0 (43)	220/2.2 (32)	290/2.9 (42)
	225/45 R 18[5][6]	270/2.7 (39)	270/2.7 (39)	–	–	280/2.8 (41)	340/3.4 (49)
	235/45 R18[5]	250/2.5 (36)	250/2.5 (36)	270/2.7 (39)	290/2.9 (42)	260/2.6 (38)	330/3.3 (48)
	245/45 R18	220/2.2 (32)	220/2.2 (32)	270/2.7 (39)	290/2.9 (42)	230/2.3 (33)	300/3.0 (43)
	245/40 R19	220/2.2 (32)	220/2.2 (32)	270/2.7 (39)	290/2.9 (42)	220/2.2 (32)	290/2.9 (42)
	245/35 R20[6]	240/2.4 (35)	240/2.4 (35)	270/2.7 (39)	290/2.9 (42)	250/2.5 (36)	320/3.2 (46)

[6] Reinforced variant (XL).
[5] Only permitted as winter tyres.

Back to overview

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A28NET with manual transmission	215/55 R17[6], 225/50 R17[6]	280/2.8 (41)	280/2.8 (41)	–	–	300/3.0 (43)	340/3.4 (49)
	225/55 R17	250/2.5 (36)	250/2.5 (36)	300/3.0 (43)	300/3.0 (43)	270/2.7 (39)	340/3.4 (49)
	225/45 R 18[5][6], 245/35 R20[6]	270/2.7 (39)	270/2.7 (39)	–	–	280/2.8 (41)	340/3.4 (49)
	245/45 R18, 235/45 R18[5]	260/2.6 (38)	260/2.6 (38)	–	–	280/2.8 (41)	340/3.4 (49)
	245/40 R19	240/2.4 (35)	240/2.4 (35)	270/2.7 (39)	270/2.7 (39)	250/2.5 (36)	320/3.2 (46)

[6] Reinforced variant (XL).
[5] Only permitted as winter tyres.

Back to overview

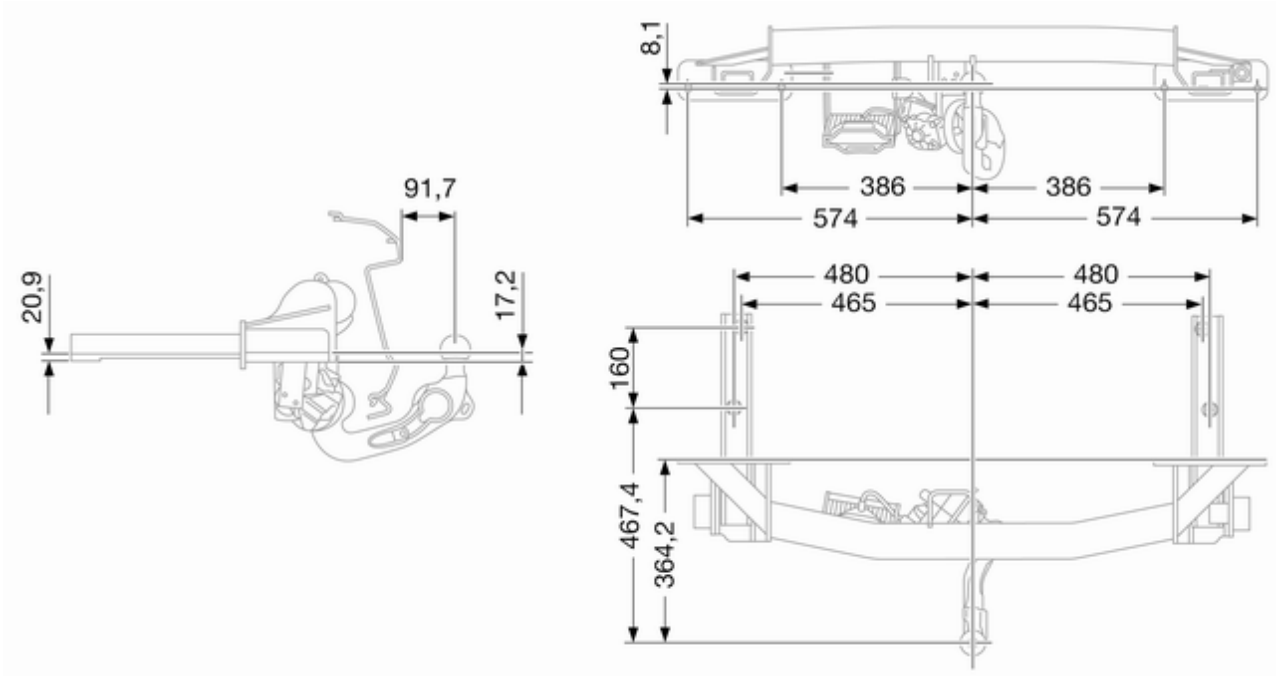
Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A28NET with automatic transmission	215/55 R17[6], 225/50 R17[6]	280/2.8 (41)	280/2.8 (41)	–	–	300/3.0 (43)	340/3.4 (49)
	225/55 R17	260/2.6 (38)	260/2.6 (38)	300/3.0 (43)	300/3.0 (43)	270/2.7 (39)	340/3.4 (49)
	225/45 R 18[5][6], 245/35 R20[6]	270/2.7 (39)	270/2.7 (39)	–	–	280/2.8 (41)	340/3.4 (49)
	245/45 R18	270/2.7 (39)	270/2.7 (39)	–	–	280/2.8 (41)	340/3.4 (49)
	235/45 R18[5]	270/2.7 (39)	270/2.7 (39)	–	–	280/2.8 (41)	340/3.4 (49)
	245/40 R19	240/2.4 (35)	240/2.4 (35)	270/2.7 (39)	270/2.7 (39)	260/2.6 (38)	330/3.3 (48)
All	Temporary spare wheel	420/4.2 (61)	420/4.2 (61)	–	–	420/4.2 (61)	420/4.2 (61)

[6] Reinforced variant (XL).
[5] Only permitted as winter tyres.

Back to overview

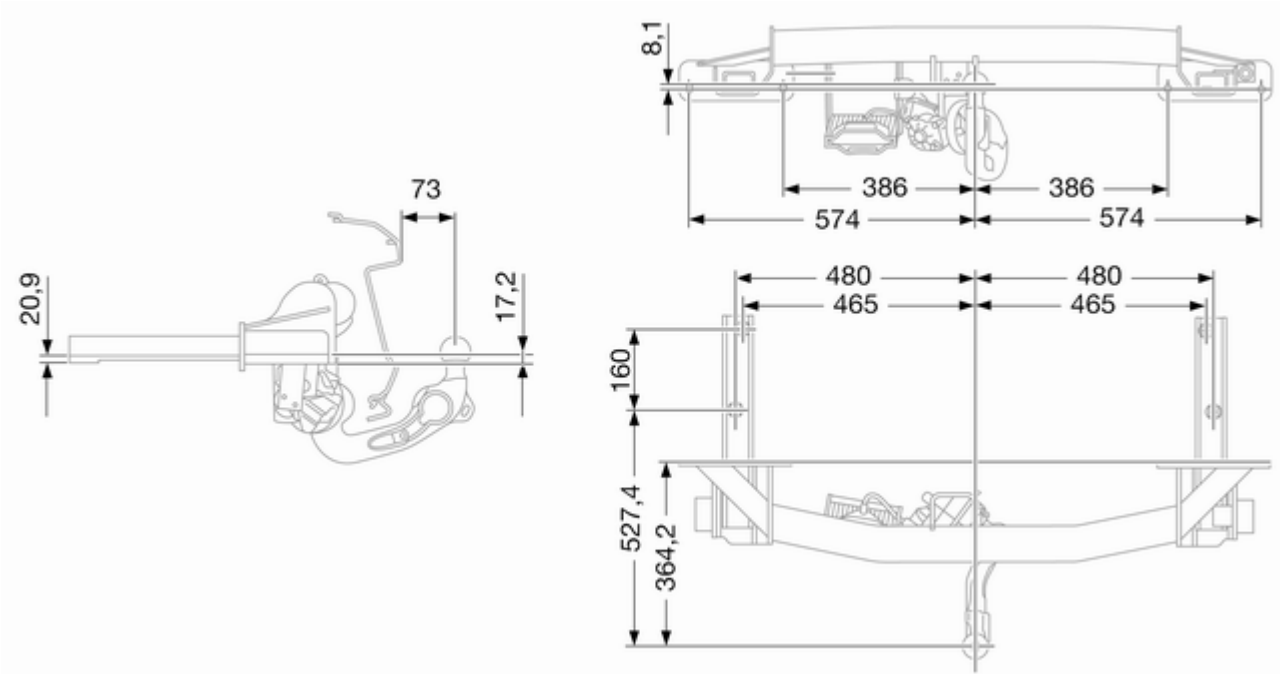
Towing hitch installation dimensions

Saloon



Back to overview

Station wagon



Back to overview

Customer information

Vehicle data recording and privacy

Event data recorders

The vehicle has a number of sophisticated systems that monitor and control several vehicle data. Some data may be stored during regular operation to facilitate repair of detected malfunctions, other data is stored only in a crash or near crash event by systems commonly called event data recorders (EDR).

The systems may record data about the condition of the vehicle and how it was operated (e.g. engine speed, brake application, seat belt usage). To read this data special equipment and access to the vehicle is required. This will take place when the vehicle is serviced in a workshop. Some data is electronically fed into GM global diagnostic systems. The manufacturer will not access information about a crash event or share it with others except

- with the consent of the vehicle owner or, if the vehicle is leased, with the consent of the lessee,
- in response to an official request of police or similar government office,
- as part of the manufacturer’s defense in case of legal proceedings,
- as required by law.

In addition, the manufacturer may use the collected or received data

- for the manufacturer's research needs,
- to make it available for research needs where appropriate confidentiality is maintained and need is shown,
- to share summary data which is not tied to a specific vehicle with other organisations for research purposes.

Back to overview

Index

Back to overview

Back to overview

Back to overview

Back to overview

Back to overview