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## Introduction

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Vehicle specific data

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

Introduction

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

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

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

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

Disregarding the description given in this manual may affect your warranty.

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

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

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

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

Using this manual

- This manual describes all options and features available for this model. Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, special equipment or accessories.
- The "In brief" section will give you an initial overview.
- The table of contents at the beginning of this manual and within each section shows where the information is located.
- The index will enable you to search for specific information.
- This Owner's Manual depicts left-hand drive vehicles. Operation is similar for right-hand drive vehicles.
- The Owner's Manual uses the engine identifier code. The corresponding sales designation and engineering code can be found in the section "Technical data".
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- Displays may not support your specific language.
- Display messages and interior labelling are written in bold letters.
Danger, Warnings and Cautions

⚠️ Danger
Text marked ⚠️ Danger provides information on risk of fatal injury. Disregarding this information may endanger life.

⚠️ Warning
Text marked ⚠️ Warning provides information on risk of accident or injury. Disregarding this information may lead to injury.

Caution
Text marked Caution provides information on possible damage to the vehicle. Disregarding this information may lead to vehicle damage.

Symbols
Page references are indicated with ❘. ❘ means "see page".

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

We wish you many hours of pleasurable driving.

Your Opel Team
In brief

Initial drive information

Vehicle unlocking

Press  to unlock vehicle. Open the doors by pulling the handles.

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

Radio remote control  23.
Central locking system  24.
Load compartment  27.
Seat adjustment

Longitudinal adjustment

Pull handle, slide seat, release handle. Try to move the seat back and forth to ensure that the seat is locked in place.
Seat position 37.
Seat adjustment 38.

Backrest inclination

Turn handwheel. Do not lean on backrest while adjusting.
Seat position 37.
Seat adjustment 38.
Seat folding 39.
Sport seat 39.

Seat height

Lever pumping motion
up : seat higher
down : seat lower
Seat position 37.
Seat adjustment 38.
Head restraint adjustment

Press release button, adjust height, engage.
Head restraints ☞ 36.

Seat belt

Pull out the seat belt and fasten 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 unfasten belt, press red button on belt buckle.
Seat position ☞ 37.
Seat belts ☞ 41.
Airbag system ☞ 44.

Mirror adjustment

Interior mirror

To adjust the mirror, move the mirror housing in the desired direction.
Automatic anti-dazzle interior mirror ☞ 31.
Exterior mirrors

Select the relevant exterior mirror with the rocker switch and adjust the mirror with the control.

Convex exterior mirrors 30.
Electric adjustment 30.
Folding exterior mirrors 30.
Heated exterior mirrors 31.

Steering wheel adjustment

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

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

Airbag system 44.
Ignition positions 134.
Instrument panel overview
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Parking lights ................................ 119
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3 Forward collision alert indicator ............................. 157
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Exterior lighting

Light switch

Turn light switch:

- **O**: lights off
- ****: sidelights
- **D**: headlights

Light switch ◊ 113.

Light switch with automatic light control

- **AUTO**: automatic light control: exterior lighting is switched on and off automatically
- ****: activation or deactivation of the automatic light control
- ****: sidelights
- **D**: headlights

Automatic light control ◊ 114.

Headlight flash, high beam and low beam

- Headlight flash: pull stalk
- High beam: push stalk
- Low beam: push or pull stalk

High beam ◊ 115.
Headlight flash ◊ 115.
High beam assist ◊ 116.
Turn lights

stalk up : right turn light
stalk down : left turn light

Turn lights ◇ 118.
Parking lights ◇ 119.

Hazard warning flashers

Operated by pressing ▲.
Hazard warning flashers ◇ 117.

Horn

Press 📣.
In brief

**Washer and wiper systems**

**Windscreen wiper**

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

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

**Windscreen washer**

Pull lever.
Windscreen washer system  77.
Washer fluid  193.
Wiper blade replacement  195.

**Rear window wiper**

Press the rocker switch to activate the rear window wiper:
- **ON**: continuous operation
- **OFF**: off
- **INT**: intermittent operation
Rear window washer

Push lever.
Washer fluid is sprayed on the rear window and the wiper wipes a few times.
Rear window wiper and washer ◇ 78.

Climate control

Heated rear window

The heating is operated by pressing ◦.
Heated rear window ◇ 33.
Heated windscreen ◇ 34.

Heated exterior mirrors

Pressing ◦ also activates the heated exterior mirrors.
Heated exterior mirrors ◇ 31.

Demisting and defrosting the windows

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

Climate control system ◇ 123.
Transmission

Manual transmission

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

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

Manual transmission 145.

Automatic transmission

P: park
R: reverse
N: neutral
D: drive
M: manual mode
+ : press to upshift in manual mode
− : press to downshift in manual mode

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

Automatic transmission 141.

Manual transmission automated

R: reverse, engage only when vehicle is stationary
N: neutral
D: automatic mode
M: manual mode
+ : upshift in manual mode
− : downshift in manual mode

Manual transmission automated 145.
Starting off

Check before starting off

- Tyre pressure 211 and condition 252.
- Engine oil level and fluid levels 191.
- All windows, mirrors, exterior lighting and number plates are free from dirt, snow and ice and are operational.
- Proper position of mirrors 30, seats 37 and seat belts 42.
- 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.
  Manual transmission automated: operate brake pedal.
  Automatic transmission: operate brake pedal and move selector lever to P or N.
- Do not operate accelerator pedal.
- Diesel engines: turn the key to position 2 for preheating and wait until control indicator extinction extinguishes.
- Turn the key to position 2 for preheating and wait until control indicator extinction extinguishes.
- Turn key to position 3 and release.

Starting the engine 135.
Stop-start system

If the vehicle is at a low speed or at a standstill and certain conditions are fulfilled, activate an Autostop as follows:

**Vehicles with manual transmission:**
- Depress the clutch pedal.
- Engage neutral gear.
- Release the clutch pedal.

An Autostop is indicated by control indicator (A).

To restart the engine, depress the clutch pedal again. Control indicator (A) extinguishes.

**Vehicles with manual transmission automated:**
If the vehicle is at a standstill with the brake pedal depressed, Autostop is activated automatically, indicated by control indicator (A).

Release the brake pedal or move selector lever out of D to restart the engine. Control indicator (A) extinguishes.

Stop-start system ⬇️ 136.

Parking

⚠️ **Warning**

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply the parking brake. Activate the manual parking brake without pressing the release button. Apply as firmly as possible on a downhill slope or uphill slope. Depress brake pedal at the same time to reduce operating force.
- Switch off the engine.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to position P before removing the ignition key. On an uphill slope, turn the front wheels away from the kerb.
- If the vehicle is on a downhill slope, engage reverse gear or
set the selector lever to position P before removing the ignition key. Turn the front wheels towards the kerb.

- Close the windows and the sunroof.
- Remove the ignition key from the ignition switch. Turn the steering wheel until the steering wheel lock is felt to engage.

For vehicles with automatic transmission, the key can only be removed when the selector lever is in position P.

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

- Lock the vehicle by pressing on the radio remote control. Activate the anti-theft alarm system 28.
- The engine cooling fans may run after the engine has been switched off 190.

---

### Caution

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

Keys, locks 22.

Laying-up the vehicle for a long period of time 189.
# Keys, doors and windows

## Keys, locks

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## Windows

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- Manual windows: 32
- Power windows: 32
- Heated rear window: 33
- Heated windscreen: 34
- Sun visors: 34
- Sunroof: 34

## Caution

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

### 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: 231.

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

Wheel changing: 223.
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

Used to operate:
- central locking system
- anti-theft locking system
- anti-theft alarm system

The radio remote control has a range of approx. 20 m. It can be restricted by external 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:
- The range is exceeded.
- The battery voltage is too low.
- Frequent, repeated operation of the radio remote control while not in range, which will require re-synchronisation.
- Overload of the central locking system by operating at frequent intervals, the power supply is interrupted for a short time.
- Interference from higher-power radio waves from other sources.

Unlocking 24.

Basic settings

Some settings can be changed in the Info Display.

Vehicle personalisation 106.
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.

Extend the key and open the unit sideways. Replace the battery (battery type CR 2032), paying attention to the installation position. Close the unit and synchronise.

Memorised settings
Whenever the key is removed from the ignition switch, the following settings are automatically memorised by the key:
- lighting
- electronic climate control
- presets for Infotainment system
- central locking system
- comfort settings

The saved settings are automatically used the next time the memorised key is inserted into the ignition switch and turned to position 1 134.

A precondition is that Personalization by driver is activated in the personal settings of the Info Display. This must be set for each key used.

Vehicle personalisation 106.

Central locking system
Unlocks and locks doors, load compartment and fuel filler flap.
From inside the vehicle with the doors locked, pull an interior door handle to unlock the respective door.

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

Note
3 minutes after unlocking with the remote control, the doors are relocked automatically if no door has been opened.
Unlocking

Press 🛠.

Two settings are selectable in the Info Display:

- To unlock only the driver's door and fuel filler flap, press 🛠 once. To unlock all doors and load compartment, press 🛠 twice.
- Press 🛠 once to unlock all doors, load compartment and fuel filler flap.

Vehicle personalisation 🛠 106.
The setting can be saved for the key being used.
Memorised settings 🛠 24.

Unlocking and opening the tailgate 🛠 27.

Locking

Close doors, load compartment and fuel filler flap.

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

Central locking buttons

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

Press 🛠 to lock.
Press 🛠 to unlock.

Delayed door lock

Switch off engine and remove key from the lock. Press 🛠 with at least one door opened and three chimes will sound. When the last door is closed, the vehicle will automatically lock all doors after 5 seconds and feedback is given.

After 10 minutes, the vehicle will automatically lock all doors even if a door is still open. This function may be activated or deactivated in the Info Display.

Vehicle personalisation 🛠 106.
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 unlock the other doors, load compartment and fuel filler flap.

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

Locking

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

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. The load compartment and fuel filler flap cannot be opened.

To deactivate the anti-theft locking system, switch on the ignition 28.

Locking

Press 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

This security feature can be configured to automatically lock doors, load compartment and fuel filler flap as soon as a certain speed is exceeded.

Additionally, it is configurable to unlock the driver's door or all doors after the ignition is switched off and the ignition key is removed (manual transmission) or the selector lever is moved to position P (automatic transmission).

Settings can be changed in the Info Display.

Vehicle personalisation 106.

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

Child locks

⚠️ Warning

Use the child locks whenever children are occupying the rear seats.
Using a key or suitable screwdriver, turn switch on rear door lock to the horizontal position. The door cannot be opened from inside.

### Doors

#### Load compartment

#### Tailgate

##### Opening

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

### Closing

Use interior handle.

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

Central locking system ◇ 24.

### General hints for operating tailgate

⚠️ **Danger**

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

Caution

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

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

Vehicle security

Anti-theft locking system

⚠️ Warning

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

The system deadlocks all the doors. All doors must be closed otherwise the system cannot be activated. If the ignition was on, the driver's door must be opened and closed once so that the vehicle can be secured. Unlocking the vehicle disables the mechanical anti-theft locking system. This is not possible with the central locking button.

Activating

Press 🗝️ on the radio remote control twice within 5 seconds.

Anti-theft alarm system

The anti-theft alarm system is combined with the anti-theft locking system. It monitors:
- doors, tailgate, bonnet
- ignition
Activation

- Self-activated 30 seconds after locking the vehicle by pressing once.
- Directly by pressing twice within 5 seconds.

Status LED

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

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

Deactivation

Unlocking the vehicle by pressing deactivates anti-theft alarm system.

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

Alarm

When triggered, the alarm horn sounds 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 on the radio remote control or by switching on the ignition.

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

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

Vehicle messages 103.

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

Immobiliser

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

The immobiliser is activated automatically after the key has been removed from the ignition switch. If the control indicator \( \square \) flashes when the ignition is on, there is a fault in the system; the engine cannot be started. Switch off the ignition and repeat the start attempt.

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

*Note*

The immobiliser does not lock the doors. You should always lock the vehicle after leaving it.

Switch on the anti-theft alarm system \( \Diamond \) 24, \( \Diamond \) 28.

Control indicator \( \square \) \( \Diamond \) 95.

---

**Exterior mirrors**

**Convex shape**

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

Side blind spot alert \( \Diamond \) 170.

**Electric adjustment**

Select the relevant exterior mirror by pressing the rocker switch to the left (L) or right (R). Then swivel the control \( \bigcirc \) to adjust the mirror.

Rocker switch in center position: no mirror is selected to be adjusted.

**Folding mirrors**

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

**Parking position**

The exterior mirrors can be folded in by pressing gently on the outer edge of the housing, e.g. when in a confined parking situation.
Heated mirrors

Operated by pressing \(\text{図}.\)
Mirror heating works with the engine running.
It is switched off automatically after 6 minutes.
Pressing \(\text{図}\) once more during the same ignition cycle allows the heating to operate for another 3 minutes.

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 is automatically reduced, when driving in the dark.
Windows

Windscreen

Windscreen stickers
Do not attach stickers, e.g. toll road stickers or similar, on the windscreen in the area of the interior mirror. Otherwise the detection zone of the sensor in the mirror housing could be restricted.

Windscreen replacement

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

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

Power windows

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Take care when operating the power windows. Risk of injury, particularly to children. Be careful when closing the windows. Ensure that nothing becomes trapped in them as they move.</td>
</tr>
</tbody>
</table>

Operable with ignition on (position 2) $\Rightarrow$ 134.
Retained power off $\Rightarrow$ 135.

Open
Short push: window opens in stages. Long push: window opens automatically to end position. To stop movement, operate switch once more.

Close
Short pull: window closes in stages.
Longer pull: window closes automatically to end position. To stop movement, operate switch once more.

**Safety function**

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

**Override safety function**

In the event of closing difficulties due to frost or the like, switch on the ignition, then pull the switch several times to close the windows in stages.

**Overload**

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

**Fault**

If the windows cannot be opened or closed automatically, activate the window electronics as follows:

1. Close the doors.
2. Switch on ignition.
3. Close the window completely and operate the button for an additional 5 seconds.
4. Open the window completely and operate the button for 1 second further.
5. Repeat this procedure for each window.

**Heated rear window**

Operated by pressing .

Rear window heating works with the engine running.

It is switched off automatically after 6 minutes.

Pressing once more during the same ignition cycle allows the heating to operate for another 3 minutes.
Heated windscreen

Operated by pressing Ü.
Windscreen heating works together with heated rear window and engine running.
It is switched off automatically after 6 minutes.
Pressing Ü once more during the same ignition cycle allows the heating to operate for another 3 minutes.

Sun visors

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

The cover of the mirrors should be closed when driving.
A ticket holder is located on the backside of the sun visor.

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.

Operable via a rocker switch with ignition on (position 2) 134.
Retained power off 135.
Raise
Hold switch depressed until the sunroof is raised at the rear.

Open
From raised position press and release switch: the sunroof is opened automatically up to end position. To stop movement before end position, operate switch once more.

Close
Hold switch depressed from any position until sunroof is closed completely. Releasing the switch stops movement in any position.

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>When using a roof rack, check the free movement of the sunroof in order to avoid damage. It is only permitted to raise the sunroof.</td>
</tr>
</tbody>
</table>

Note
If the top of the roof is wet, tilt sunroof, allow water to run off and then open sunroof.

Do not affix any stickers to sunroof.

Sunblind
The sunblind is manually operated. Close or open the sunblind by sliding. Sunblind is usable in each sunroof position.

Overload
If the system is overloaded, the power supply is automatically cut-off for a short time. The system is protected by fuses in the fuse box 204.

Initialising the sun roof
If the sunroof cannot be operated, activate the electronics as follows: with ignition on close the sunroof and hold depressed for at least 10 seconds.
Seek the assistance of a workshop to have the cause of the fault remedied.
Head restraints .............................................. 36
Front seats .............................................. 37
  Seat position ...................................... 37
  Seat adjustment .................................. 38
  Seat folding ...................................... 39
  Heating ............................................. 40
Seat belts ................................................. 41
  Three-point seat belt ......................... 42
Airbag system ......................................... 44
  Front airbag system ......................... 47
  Side airbag system .......................... 48
  Curtain airbag system .................. 49
  Airbag deactivation ....................... 49
Child restraints ....................................... 50
  Child restraint systems ............... 50
  Child restraint installation locations .............................................. 54

**Warning**

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

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

Adjustment

Front head restraints, height adjustment

Press release button, adjust height, engage.
Rear head restraints, height adjustment

Pull the head restraint upwards and let engage. To move downwards, press the catch to release and push the head restraint downwards.

Removal of rear head restraint
E.g. when using a child restraint system 50.

Press both catches, pull the head restraint upwards and remove. Place the head restraint in a net bag and secure the underside of the bag with Velcro® fasteners to the load compartment floor. A suitable net bag is available from your workshop.

Front seats

Seat position

⚠️ Warning

Only drive with the seat correctly adjusted.

⚠️ Danger

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

⚠️ Warning

Never adjust seats while driving as they could move uncontrollably.
- Sit with buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that legs are slightly angled when fully pressing the pedals. Slide the front passenger seat as far back as possible.

- Set seat height high enough to have a clear field of vision on all sides and of all display instruments. There should be at least one hand of clearance between head and the roof frame. Your thighs should rest lightly on the seat without pressing into it.

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

- Adjust seat and steering wheel in a way that the wrist rests on top of the steering wheel while the arm is fully extended and shoulders on the backrest.

- Adjust the steering wheel ◦ 76.

- Adjust the head restraint ◦ 36.

- Adjust the height of the seat belt ◦ 42.

**Seat adjustment**

Drive only with engaged seats and backrests.

**Longitudinal adjustment**

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

Turn handwheel to adjust inclination. Do not lean on backrest while adjusting.

**Seat height**

Lever pumping motion

up : seat higher
down : seat lower

**Seat folding**

*Standard seat folding*

Pull release lever towards the front and fold backrest forwards. Then slide seat forwards to the stop.

To restore, slide the seat backwards to the stop. Lift backrest to upright position without operating the release lever. Allow backrest to engage.
⚠️ Warning
When folding up, ensure that the seat is securely locked in position before driving. Failure to do so may result in personal injury in the event of heavy braking or collision.

The memory function allows the seat to engage in its original position after folding.
Do not operate handwheel for backrest inclination when backrest is folded forwards.

⚠️ Caution
When seat height is in the highest position, push head restraints down and fold up sun visors before folding backrest forwards.

**Sport seat folding**

Remove seat belt from belt mount on the backrest.
Pull release lever located on the backrest, fold backrest forwards and release lever. Slide seat forwards to the stop.
To restore, slide the seat backwards to the stop. Lift backrest to upright position without operating the release lever. Allow backrest to engage.

⚠️ Warning
When folding up, ensure that the seat is securely locked in position before driving. Failure to do so may result in personal injury in the event of heavy braking or collision.

The memory function allows the seat to engage in its original position after folding.
Do not operate backrest adjuster handwheel when backrest is folded forwards.

**Heating**
Activate seat heating by pressing for the respective front seat.
The LED in the button illuminates to indicate activation.
Pressing once more deactivates seat heating.
Seat heating is operational when engine is running.
During an Autostop, seat heating is also operational.
Stop-start system 136.

Seat belts

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

⚠️ Warning

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

Seat belts are designed to be used by only one person at a time.
Child restraint system 50.
Periodically check all parts of the belt system for damage, pollution and proper functionality.
Have damaged components replaced by a workshop. After an accident, have the belts and triggered belt pretensioners replaced by a workshop.

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

Seat belt reminder

For driver's seat, the seat belt reminder is indicated by control indicator in the instrument cluster 91.
For front passenger seat, the seat belt reminder is indicated by control indicator in the centre console 88.
For rear seats, the seat belt reminder is indicated by symbols in the Driver Information Centre .

**Belt force limiters**

On the front seats and the rear outboard seats, stress on the body is reduced by the gradual release of the belt during a collision.

**Belt pretensioners**

In the event of a head-on 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 pretensioners.

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

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

---

**Note**

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

---

**Three-point seat belt**

**Fasten**

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

Sport seat: Feed seat belt through belt mount on backrest when fastening seat belt.

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

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

Seat belt reminder 🚨 91.

**Height adjustment**

1. Pull belt out slightly.
2. Shift the height adjuster upwards or press button to disengage and push the height adjuster downwards.

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.

**Unfasten**

To release belt, press red button on belt buckle.
Using the seat belt while pregnant

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

Airbag system

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

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

**Warning**

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

**Warning**

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

**Note**

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

Do not affix any objects onto the airbag covers and do not cover them with other materials. Have damaged covers replaced by a workshop.

Each airbag is triggered only once. Have deployed airbags replaced by a workshop. Furthermore, it may be necessary to have the steering wheel, the instrument panel, parts of the panelling, the door seals, handles and the seats replaced.

Do not make any modifications to the airbag system as this will invalidate the vehicle operating permit.
Fault

If there is a fault in the airbag system, the control indicator \( \text{illum} \)inates and a message or a warning code appears in the Driver Information Centre. The system is not operational. Have the cause of the fault remedied by a workshop.

Control indicator for airbag systems \( \checkmark 91 \).

Child restraint systems on front passenger seat with airbag systems

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

DE: Nach hinten gerichtete Kindersitze NIEMALS auf einem Sitz verwenden, der durch einen davor befindlichen AKTIVEN AIRBAG geschützt ist, da dies den TOD oder SCHWERE VERLETZUNGEN DES KINDES zur Folge haben kann.

FR: NE JAMAIS utiliser un siège d'enfant orienté vers l'arrière sur un siège protégé par un COUSSIN GONFLABLE ACTIF placé devant lui, sous peine d'infliger des BLESSURES GRAVES, voire MORTELLES à l'ENFANT.

ES: NUNCA utilice un sistema de retención infantil orientado hacia atrás en un asiento protegido por un AIRBAG FRONTAL ACTIVO. Peligro de MUERTE o LESIONES GRAVES para el NIÑO.

RU: ЗАПРЕЩАЕТСЯ устанавливать детское удерживающее устройство лицом назад на сиденье автомобиля, оборудованном фронтальной подушкой безопасности, если ПОДУШКА НЕ ОТКЛЮЧЕНА! Это может привести к СМЕРТИ или СЕРЬЕЗНЫМ ТРАВМАМ РЕБЕНКА.

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

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

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

FI: ÄLÄ KOSKAAN sijoita taaksepäin suunnattua lasten turvaistuinta istuimelle, jonka edessä on AKTIIVINEN TURVATYYNY, LAPSIT VOI KUOLLA tai VAMMAUTUA VAKAVASTI.
NO: Bakovervendt barnesikringsutstyr må ALDRI brukes på et sete med AKTIV KOLLISJONSPUTE foran, da det kan føre til at BARNET utsettes for LIVSFARE og fare for ALVORLIGE SKADER.

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

IT: Non usare mai un sistema di sicurezza per bambini rivolto all'indietro su un sedile protetto da un AIRBAG ATTIVO di fronte ad esso: pericolo di MORTE o LESIONI GRAVI per il BAMBINO!

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

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

TR: Arkaya bakan bir çocuuk emniyet sistemini KESİNLİK LE önünde bir AKTİF HAVA YASTIĞI ile korunmakta olan bir koltukta kullanmayıniz. ÇOCUK ÖLEBLİR veya AĞIR SEKILDE YARALANABİLİR.

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

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

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

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

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

BG: НИКОГА не използвайте детска седалка, гледаща назад, върху седалка, която е защитена
The airbag label is located on both sides of the front passenger sun visor.

Airbag deactivation ◀ 49.

**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. The location is identified by the word **AIRBAG**.

Beyond the warning required by ECE R94.02, for safety reasons a forward-facing child restraint system must only be used subject to the instructions and restrictions in the tables ◀ 54.
The inflated airbags cushion the impact, thereby reducing the risk of injury to the upper body and head of the front seat occupants considerably.

**Warning**

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

Seat position 37.

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

The side airbag system consists of an airbag in each front seat backrest. The location is identified by the word AIRBAG.

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

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. The location is identified by the word AIRBAG on the roof pillars. The curtain airbag system is triggered in the event of a side-on impact of a certain severity. The ignition must be switched on.

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

Warning
Keep the area in which the airbag inflates clear of obstructions. The hooks on the handles in the roof frame are only suitable for hanging up light articles of clothing, without coat hangers. Do not keep any items in these clothes.

Airbag deactivation
The front passenger airbag system must be deactivated for a child restraint system on the passenger seat according to the instructions in the tables 54.

The other airbag systems, the belt pretensioners and all driver airbag systems will remain active.

The front passenger airbag system can be deactivated via a key-operated switch on the passenger side of the instrument panel.

Use the ignition key to choose the switch position:

- **OFF**: front passenger airbag is deactivated and will not inflate in the event of a collision. Control indicator OFF illuminates continuously in the centre console
- **ON**: front passenger airbag is active
**Danger**

Deactivate passenger airbag only in combination with the use of a child restraint system, subject to the instructions and restrictions in the tables 354.

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

If both control indicators are illuminated at the same time, there is a system failure. The status of the system is not discernible, therefore no person is allowed to occupy the front passenger seat. Contact a workshop immediately.

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

Status remains until the next change.

Control indicator for airbag deactivation 392.

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**Child restraints**

**Child restraint systems**

**Danger**

If using a rear-facing child restraint system on the front passenger seat, the airbag system for the front passenger seat must be deactivated. This also applies to certain forward-facing child restraint systems as indicated in the tables 354.

Airbag deactivation 49.

Airbag label 44.

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

When a child restraint system is being used, pay attention to the following usage and installation instructions and also those supplied with the child restraint system.
Always comply with local or national regulations. In some countries, the use of child restraint systems is forbidden on certain seats.

Child restraint systems can be fastened with:
- Three-point seat belt
- ISOFIX brackets
- Top-tether anchors

**Three-point seat belt**

Child restraint systems can be fastened by using a three-point seat belt. After fastening the child restraint system the seat belt has to be tightened 54.

**ISOFIX brackets**

**On rear seats**

Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX mounting brackets. Specific vehicle ISOFIX child restraint system positions are marked in the table by IL 54.

The vehicle is equipped with guides in the backrests to support the installation of the child restraint system.

ISOFIX mounting brackets on the rear seats are indicated by the ISOFIX logo on the backrest.

Open the flaps of the guides before mounting a child restraint system. After removing the child restraint system, close the flaps.

**On front passenger seat**

Place the child restraint system in the centre of the seat and push backwards. Make sure that the child restraint system is engaged properly.

**Top-tether anchors**

**On rear seats**

Top-tether anchors are marked with the symbol for a child seat.
In addition to the ISOFIX mounting brackets, fasten the Top-tether strap to the Top-tether anchors. ISOFIX child restraint systems of universal category positions are marked in the table by IUF 54.

**On front passenger seat**
An additional fastening point is located on the passenger seat rail in the rear foot well.

**Selecting the right system**
The rear seats are the most convenient location to fasten a child restraint system.
Children should travel facing rearwards in the vehicle as long as possible. This ensures that the child's backbone, which is still very weak, is under less strain in the event of an accident.
Suitable are restraint systems that comply with valid UN ECE regulations. Check local laws and regulations for mandatory use of child restraint systems.

Ensure that the child restraint system to be installed is compatible with the vehicle type.
Refer to the tables on the following pages, the instructions supplied with the child restraint system and the vehicle type list of non-universal child restraint systems.
The following child restraints are recommended for the following weight classes:
- **Group 0, Group 0+**
  Maxi Cosi Cabriofix plus Easyfix, for children up to 13 kg
- **Group 1**
  OPEL Duo, for children from 13 kg to 18 kg in this group

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

Allow children to enter and exit the vehicle only on the side facing away from the traffic.
When the child restraint system is not in use, secure the seat with a seat belt or remove it from the vehicle.
Note
Do not affix anything on the child restraint systems and do not cover them with any other materials.
A child restraint system which has been subjected to stress in an accident must be replaced.
Child restraint installation locations

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

<table>
<thead>
<tr>
<th>Weight class</th>
<th>On front passenger seat</th>
<th>On rear outboard seats</th>
<th>On rear centre seat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>activated airbag</td>
<td>deactivated airbag</td>
<td></td>
</tr>
<tr>
<td>Group 0: up to 10 kg</td>
<td>X</td>
<td>U&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td>U/L&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
<tr>
<td>Group 0+: up to 13 kg</td>
<td>X</td>
<td>U&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td>U/L&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
<tr>
<td>Group I: 9 to 18 kg</td>
<td>X</td>
<td>U&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td>U/L&lt;sup&gt;3,4&lt;/sup&gt;</td>
</tr>
<tr>
<td>Group II: 15 to 25 kg</td>
<td>U&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td>X</td>
<td>U/L&lt;sup&gt;3,4&lt;/sup&gt;</td>
</tr>
<tr>
<td>Group III: 22 to 36 kg</td>
<td>U&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td>X</td>
<td>U/L&lt;sup&gt;3,4&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

U : universal suitability in conjunction with three-point seat belt  
L : suitable for particular child restraint systems of the 'specific-vehicle', 'restricted' or 'semi-universal' categories. The child restraint system must be approved for the specific vehicle type (refer to the vehicle type list of the child restraint system)  
X : no child restraint system permitted in this weight class  
1 : move seat forwards as far as necessary and adjust seat backrest as far as necessary to a vertical position to ensure that the belt runs forwards from the upper anchorage point  
2 : move seat upwards as far as necessary and adjust seat backrest as far as necessary to a vertical position to ensure that the belt is tight on the buckle side  
3 : move the respective front seat ahead of the child restraint system forwards as far as necessary  
4 : adjust the respective backrest to the rearmost position ◇ 67, adjust the respective headrest as necessary or remove if required ◇ 36
## Permissible options for fitting an ISOFIX child restraint system

<table>
<thead>
<tr>
<th>Weight class</th>
<th>Size class</th>
<th>Fixture</th>
<th>On front passenger seat&lt;sup&gt;5&lt;/sup&gt;</th>
<th>On rear outboard seats</th>
<th>On rear centre seat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>activated airbag</td>
<td>deactivated airbag</td>
<td></td>
</tr>
<tr>
<td>Group 0: up to 10 kg</td>
<td>E</td>
<td>ISO/R1</td>
<td>X</td>
<td>IL</td>
<td>IL&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
<tr>
<td>Group 0+: up to 13 kg</td>
<td>E</td>
<td>ISO/R1</td>
<td>X</td>
<td>IL</td>
<td>IL&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
<tr>
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<td>B1</td>
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<td>A</td>
<td>ISO/F3</td>
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<td>X</td>
<td></td>
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<tr>
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<td>X</td>
<td>IL&lt;sup&gt;3,4&lt;/sup&gt;</td>
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**IL**: suitable for particular ISOFIX restraint systems of the "specific-vehicle", "restricted" or "semi-universal" categories. (ISOFIX / Top-tether fastening points optional for the front passenger seat but not available for sport seats). The ISOFIX restraint system must be approved for the specific vehicle type (refer to the vehicle type list of the child restraint system)

**IUF**: suitable for ISOFIX forward-facing child restraint systems of universal category approved for use in this weight class (ISOFIX / Top-tether fastening points optional for the front passenger seat but not available for sport seats)
Seats, restraints

X: no ISOFIX child restraint system approved for this weight class
1: move seat forwards as far as necessary and adjust seat backrest as far as necessary to a vertical position to ensure that the belt runs forwards from the upper anchorage point
2: move seat upwards as far as necessary and adjust seat backrest as far as necessary to a vertical position to ensure that the belt is tight on the buckle side
3: move the respective front seat ahead of the child restraint system forwards as far as necessary
4: adjust the respective backrest to the rearmost position 67, adjust the respective headrest as necessary or remove if required 36
5: ISOFIX / Top-tether fastening points optional for the front passenger seat (not available for sport seats)

ISOFIX size class and seat device
A – ISO/F3: forward-facing child restraint system for children of maximum size in the weight class 9 to 18 kg
B – ISO/F2: forward-facing child restraint system for smaller children in the weight class 9 to 18 kg
B1 – ISO/F2X: forward-facing child restraint system for smaller children in the weight class 9 to 18 kg
C – ISO/R3: rear-facing child restraint system for children of maximum size in the weight class up to 18 kg
D – ISO/R2: rear-facing child restraint system for smaller children in the weight class up to 18 kg
E – ISO/R1: rear-facing child restraint system for young children in the weight class up to 13 kg
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Loading information

| Loading information        | 73 |

⚠️ Warning

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

Glovebox

Pull lever to open the glovebox cover. The glovebox features a coin holder. The glovebox features an adapter for the locking wheel bolts. The glovebox should be closed whilst driving.

Cupholders

Cupholders are located in the centre console.
The pockets in the doors are designed to carry bottles.

Additional bottleholders are located in the rear side panels.

Flexible cupholder strap

A movable rubber strap is located in the storage compartment in front of the gear selector lever. Pull out the strap to fix a cup or ashtray.

Front storage

Storage compartments are located below the light switch, in the centre console and in the doors.

Additional storage compartment is located in the side panels beside the rear seats.
Underseat storage

Lift at recessed edge and pull out. Maximum load: 1.5 kg. To close, push in and engage.

Rear carrier system

The rear carrier system (Flex-Fix system) allows bicycles to be attached to an extendable carrier integrated into the vehicle floor. The transportation of other objects is not permitted.

The maximum load of the rear carrier system is 40 kg. The maximum load per bicycle is 20 kg.

The wheelbase of a bicycle must not exceed 1.2 m. Otherwise the secure fastening of a bicycle is not possible.

If not in use, the rear carrier system can be slid back into the vehicle floor.

There must not be any objects on the bicycles that could become loose during transportation.

<table>
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<td>Do not attach bicycles with carbon pedal cranks to bicycle carriers. The bicycles may get damaged.</td>
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<tr>
<td>The tail lights of the vehicle will be deactivated if the tail lights of the rear carrier system are installed.</td>
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Extending

Open the tailgate.

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<thead>
<tr>
<th>Warning</th>
</tr>
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<tr>
<td>No persons may remain in the extension zone of the rear carrier system, risk of injury.</td>
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</table>
Pull release lever up. The system disengages and travels quickly out of the bumper.

Completely pull out the rear carrier system until you hear it engage. Ensure that it is not possible to push in the rear carrier system without pulling the release lever again.

⚠️ Warning

It is only permissible to fit objects to the rear carrier system if the system has been correctly engaged. If the rear carrier system will not engage correctly, do not fit objects to the system and slide the system back. Seek the assistance of a workshop.

Install the tail lamps

First remove the rear (1), then the front (2) tail lamp from the recesses.
Open out the lamp support on the back of the tail lamp completely until it engages.

Push the clamping lever down and push the lamp support into the retainer until it engages.

Perform this procedure for both tail lamps.

Swivel the left clamping lever (1) first, followed by the right clamping lever (2) until they stop. Both clamping levers must point backwards, otherwise safe functionality is not guaranteed.

Note
Close the tailgate.

Unfold pedal crank recesses

Check the cable and lamp position to ensure these are correctly installed and are securely located.

Lock the rear carrier system

Fold one or both pedal crank recesses upwards until the diagonal support engages.
Remove the pedal crank mounts from the pedal crank recesses.

Adapting the rear carrier system to a bicycle

Press the release lever and withdraw the wheel recesses.

Push the release lever on the strap retainer and remove the strap retainer.

Prepare the bicycle for attachment

Note
The maximum width for the pedal crank is 38.3 mm and the maximum depth is 14.4 mm.

Rotate the left pedal (without a chain cog) vertically downwards. The pedal on the left pedal crank must be horizontal.

The front bicycle must have its front wheel facing left.

The rear bicycle must have its front wheel facing right.
Attaching a bicycle to the rear carrier system

With the rotary lever on the pedal crank recess, roughly adapt the adjustable pedal crank unit to the protrusion of the pedal crank.

If the bicycle has straight pedal cranks, unscrew the pedal crank unit completely (position 5).

If the bicycle has curved pedal cranks, screw in the pedal crank unit all the way (position 1).

Put the bicycle on the rear carrier. While doing so, the pedal crank must be placed in the pedal crank recess opening as shown in the illustration.

Caution

Make sure that the pedal does not touch the surface of the rear end carrier. Otherwise the crankset might be damaged during the transport.

Insert pedal crank mount into outer rail of each pedal crank recess from above and slide downwards until at least underneath the notching.
Attach the pedal crank by rotating the attachment screw on the pedal crank mount.

Place the wheel recesses so that the bicycle is roughly horizontal. Here, the distance between the pedals and the tailgate should be at least 5 cm. Both bicycle tyres must be in the wheel recesses.

**Caution**

Ensure that the wheel recesses are pulled out as far as necessary to have both bicycle tyres placed in the recesses. Otherwise a horizontal mounting of the bicycle is not guaranteed. Disregard could lead to damage of the bicycle wheels caused by hot exhaust fumes.

Align the bicycle in the longitudinal direction of the vehicle: Slightly loosen the pedal mount. Place the bicycle upright using the rotary lever on the pedal crank recess. If the two bicycles obstruct one another, the relative positions of the bicycles can be adapted by adjusting the wheel recesses and the rotary lever on the pedal crank recess until the bicycles no longer touch one another. Ensure there is sufficient clearance from the vehicle.
Tighten the attachment screw for the pedal bearing mount to its maximum point by hand.
Secure both bicycle wheels to wheel recesses using strap retainers.
Check the bicycle to ensure it is secure.

**Caution**
Ensure gap between bicycle and vehicle is at least 5 cm. If necessary, loosen handlebar and swivel sideways.

The settings for the wheel recesses and on the rotary lever on the pedal crank recess should be noted and saved for each bicycle. Correct presetting will facilitate refitting of the bicycle.

**Note**
It is recommended to attach a warning sign at the rearmost bicycle to increase visibility.

**Removing a bicycle from the rear carrier system**

Undo strap retainers on both bicycle tyres.

Hold on to the bicycle, loosen the attachment screw for the pedal bearing mount, then lift the pedal bearing mount to remove it.

**Retracting the rear carrier system**

Push the pedal crank mounts into the pedal crank recess as shown in the illustration.
66 Storage

Insert the strap retainer and pull tightly downwards as far as possible.

Press release lever and slide in wheel recesses all the way as far as they will go.

Disengage the locking lever on the diagonal support and fold both pedal crank recesses down.

**Warning**

Risk of pinching.

Swivel first the right clamping lever (1) forwards, followed by the left clamping lever (2), until they can be engaged in their respective recesses.
Push the clamping lever down and pull both lamp supports out of the recesses.

Fold in the lamp supports on the backs of the tail lamps.

First place the front tail lamp (1), then the rear tail lamp (2) in the recesses and push down as far as possible. Push cables all the way into all guides in order to prevent damage.

Open the tailgate.

Push the release lever up and hold. Lift the system slightly and push it into the bumper until it engages.

Release lever must return to original position.

⚠️ Warning

If the system cannot be correctly engaged, please seek the assistance of a workshop.

Load compartment

Load compartment extension

The rear backrest can be locked in two positions. When transporting bulky items, lock in an upright position.

Split backrest

Pull the release handle on the relevant side, pull the backrest forwards to the vertical position and engage.

Single-unit backrest
Pull the release handle on both sides, pull the backrest forwards to the vertical position and engage. When unlocking, a red marking appears next to the release lever. The backrest is properly engaged when the red marks on both sides near the release lever are no longer visible.

**Folding down rear backrests**

Remove load compartment cover as necessary.
Push head restraints down by pressing the catch.

Guide the seat belts through side supports to protect them against damage. When folding the backrest, pull the seat belts along with it.

**Split backrest**
Pull the release handle on the relevant side and fold it down onto the seat cushion.

**Single-unit backrest**
Pull the release handle on both sides and fold it down onto the seat cushion.

If the vehicle is to be loaded via a rear door, take the seat belt out of the seat backrest guide and insert the latch plate in the recess as shown in the illustration.

To fold up, raise the backrest and guide it into an upright position until it engages audibly.

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

The backrest is properly engaged when the red marks on both sides near the release lever are no longer visible.
**Warning**

Only drive the vehicle when the backrests are securely locked into position. Otherwise there is a risk of personal injury or damage to the load or vehicle in the event of hard braking or a collision.

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

---

**Load compartment cover**

Do not place any objects on the cover.

### 3-door / 5-door hatchback

**Removing**

Unhook retaining strings from tailgate.

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

Remove the cover.

---

**Stowing**

When the load compartment is fully loaded, stow the load compartment cover on the rear seats or remove from vehicle.

**Fitting**

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

**Delivery van**

The load compartment cover consists of four segments which can be individually removed and inserted.

**Removing**
To remove rear cover, unhook retaining strings from tailgate. Lift cover at the rear and push it upwards at the front. Remove the cover.

To remove the three other segments (order 1 to 3) lift at the rear, disengage, twist and remove.

**Fitting**
Install the segments in the order 3 to 1. Engage segments in recesses at the side.
The segments overlap at the connecting points when they are closed.

To install rear cover, engage cover in side guides and fold downwards. Attach retaining strings to tailgate.

**Rear floor storage cover**

**Rear floor cover**

Lift up rear floor cover to gain access to emergency breakdown equipment. Tools 209.
In models with a tyre repair kit on the right side in the load compartment, the spare wheel recess may be used as an additional stowage compartment.
Tyre repair kit 218.

**Double load-bay floor**
The double load-bay floor can be inserted in the load compartment in two positions:

- directly above the cover for the spare wheel recess or the floor cover
- or in the upper openings in the load compartment

To remove, lift the load-bay floor using the recess and pull backwards.
To insert, push the load-bay floor forwards in the corresponding guide, then lower.
If mounted in the upper position, the space between the load-bay floor and the spare wheel well cover can be used as a stowage compartment.

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

The double load-bay floor is able to withstand a load of no more than 100 kg. In the lower position, the double load-bay floor is able to withstand the maximum permissible load.

---

### Lashing eyes

**3-door / 5-door hatchback**

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

---

### Delivery van

Loads can be secured using four lashing eyes in the load compartment
Warning triangle

The warning triangle is stowed in the load compartment below the tailgate.

First aid kit

Stow the first-aid kit in the compartment in the left wall of the load compartment.
To open the compartment, disengage cover and open it.

Roof rack system

Roof rack

For safety reasons and to avoid damage to the roof, the vehicle approved roof rack system is recommended. For further information contact your workshop.
Follow the installation instructions and remove the roof rack when not in use.

Fitting on model without sunroof

Push covers for concealing roof rack mounts down and push backwards.
Fitting on model with sunroof

Disengage covers concealing roof rack mounts by pushing sliders in direction of arrow and remove upwards. To close roof rack mounts, first insert covers at front and engage sliders at rear.

Attach roof rack at appropriate points, see enclosed roof rack system instructions.

Loading information

- Heavy objects in the load compartment should be placed against the seat backrests. Ensure that the backrests are securely engaged. If objects can be stacked, heavier objects should be placed at the bottom.
- Secure objects with lashing straps attached to the lashing eyes 71.
- Use the hook at the right sidewall of the load compartment for hanging up carrier bags. Maximum load: 5 kg.
- Secure loose objects in the load compartment to prevent them from 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.
- Do not cover the sensor on top of the instrument panel.
- The load must not obstruct the operation of the pedals, parking brake and gear selector lever, or hinder the freedom of movement of the driver. Do not place any unsecured objects in the interior.
- Do not drive with an open load compartment.
### Warning

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

- The payload is the difference between the permitted gross vehicle weight (see identification plate 238) and the EC kerb weight.

  To calculate the payload, enter the data for your vehicle in the weights table at the front of this manual.

  The EC kerb weight includes weights for the driver (68 kg), luggage (7 kg) and all fluids (fuel tank 90% full).

  Optional equipment and accessories increase the kerb weight.

- Driving with a roof load increases the sensitivity of the vehicle to cross-winds and has a detrimental effect on vehicle handling due to the vehicle's higher centre of gravity.

  Distribute the load evenly and secure it properly with retaining straps. Adjust the tyre pressure and vehicle speed according to the load conditions. Check and retighten the straps frequently.

  Do not drive faster than 120 km/h.

  The permissible roof load is 75 kg. The roof load is the combined weight of the roof rack and the load.
# Instruments and controls

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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

Cruise control and speed limiter are operated via the controls on the left side of the steering wheel.

Additionally, forward collision alert can be set by using the controls on the left side of the steering wheel.

Infotainment system can be operated via the controls on the right side of the steering wheel.

Driver assistance systems 154.

Further information is available in the Infotainment manual.

Heated steering wheel

Activate heating by pressing . Activation is indicated by the LED in the button.
The highlighted grip areas of the steering wheel are heated quicker and to a higher temperature than the other areas.

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

Stop-start system ◊ 136.

**Horn**

Press ♦️.

---

**Windscreen wiper and washer**

**Windscreen wiper**

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

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

Do not use if the windscreen is frozen.

---

**Adjustable wiper interval**

Switch off in car washes.

Wiper lever in position **INT**.

Turn the adjuster wheel to adjust the wiping frequency.
Adjustable sensitivity of the rain sensor

Wiper lever in position **INT**.
Turn the adjuster wheel to adjust the sensitivity of the rain sensor.
The rain sensor detects the amount of water on the windscreen and automatically regulates the wiping frequency and speed.
After 20 seconds without wiping activity, the wiper arms move slightly down to park position.

Windscreen washer

Keep the sensor free from dust, dirt and ice.

Rear window wiper and washer

Rear window wiper

Press the rocker switch to activate the rear window wiper:
**ON** : continuous operation
**OFF** : off
**INT** : intermittent operation

Pull lever. Washer fluid is sprayed onto the windscreen and the wiper wipes a few times.
Washer fluid ◇ 193
Do not use if the rear window is frozen.
Switch off in car washes.
The rear window wiper comes on automatically when the windscreen wiper is switched on and reverse gear is engaged.
Activation or deactivation of this function can be changed in the menu Settings in the Info Display.
Vehicle personalisation  106.

**Rear window washer**

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

Washer fluid  193

**Outside temperature**

A drop in temperature is indicated immediately and a rise in temperature after a time delay. Temperatures below 3 °C flash on the display.
If outside temperature drops to 3 °C, a warning message is displayed in the Driver Information Centre.

⚠️ Warning

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

Clock

Graphic Info Display

Press CONFIG to open the Settings menu.

Scroll through the list and select the menu item Time Date to display the respective submenu.

Set time

Press the MENU-TUNE knob to enter the Set time submenu.

Turn the MENU-TUNE knob to change the current value of the first setting.

Press the MENU-TUNE knob to confirm the set value.

The cursor then switches to the next value. If all values are set, you are automatically returned to the next higher menu level.

Set date

Press the MENU-TUNE knob to enter the Set date submenu.

Turn the MENU-TUNE knob to change the current value of the first setting.

Press the MENU-TUNE knob to confirm the set value.

The cursor then switches to the next value. If all values are set, you are automatically returned to the next higher menu level.

Set time format

To switch between the available options, repeatedly press the MENU-TUNE knob.

Set date format

To switch between the available options, repeatedly press the MENU-TUNE knob.
RDS clock synchronization
The RDS signal of most VHF transmitters automatically sets the time. RDS time synchronisation can take a few minutes. Some transmitters do not send a correct time signal. In such cases, it is recommended to switch off the automatic time synchronisation.
To switch between the options On and Off, repeatedly press the MENU-TUNE knob.

Colour Info Display
Press \( \text{Settings} \) then select Settings screen.
Select Time and Date to display the respective submenu.

Set Time Format
To select the desired time format, touch the screen buttons 12 h or 24 h.

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

Auto Set
To choose whether time and date are to be set automatically or manually, select Auto Set.
For time and date to be set automatically, select On - RDS.

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

Set time and date
To adjust the time and date settings, select Set Time or Set Date.
Touch + or - to adjust the settings.

Power outlets
A 12 V power outlet is located in the centre console.
Do not exceed the maximum power consumption of 120 W.
With ignition off, the power outlet is deactivated. Additionally, the power outlet is deactivated in the event of low vehicle battery voltage.

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

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

Do not damage the outlet by using unsuitable plugs.

Stop-start system  136.

### Inductive charging

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove any metal objects from the charging device before charging a mobile device, as these objects could become very hot.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>To charge a device, the ignition must be switched on.</td>
</tr>
</tbody>
</table>

**LED status on the charging device (see arrow):**

- Illuminates green:
  Mobile device with inductive charging functionality was recognised.
- Illuminates yellow:
  Metall objects have been detected in the charging area. Remove objects to allow charging.
  Mobile device was not placed properly.

PMA or Qi compatible mobile devices can be charged inductively.

On some mobile devices, a back cover with an integrated coil or a jacket may be required to use inductive charging.

The mobile device must be smaller than 8 cm in width and 15 cm in length to fit into the charging device.

Protective cover for the mobile device could have impact on the inductive charging.

**Warning**

Inductive charging can affect the operation of implanted pacemakers or other medical devices. If applicable, seek medical advice before using the inductive charging device.
To charge a mobile device:
1. Remove all objects from the charging device.
2. Place the mobile device with the display facing upwards on the charging device.
3. Ensure that the mobile device is located at the right bottom corner of the charging device.

In the case that the yellow LED illuminates:
1. Remove the mobile device from the charging device.
2. Rotate the mobile device by 180°.
3. Wait 3 seconds after the LED has extinguished and place the mobile device on the charging device again.
4. Ensure that the mobile device is located at the right bottom corner of the charging device.

Cigarette lighter

The cigarette lighter is located in the centre console.
Press in cigarette lighter. It switches off automatically once the element is glowing. Pull out lighter.

Ashtrays

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
</table>
To be used only for ash and not for combustible rubbish.

The portable ashtray can be placed in the cupholders.
Warning lights, gauges and indicators

Instrument cluster
The needles of the instruments briefly rotate to the end position when the ignition is switched on.

Speedometer
Indicates vehicle speed.

Odometer
The bottom line displays the recorded distance in km.

Trip odometer
The recorded distance is displayed since the last reset. Trip odometer counts up to 9999 km and then restarts at 0.

Midlevel display
To reset, press SET/CLR on the stalk for a few seconds 97.

Uplevel display
Two trip odometer pages are selectable for different trips.
Select menu by pressing Menu on the stalk. Turn adjuster wheel on the stalk and select or . Each trip odometer page can be reset separately by pressing SET/CLR on the stalk for a few seconds on the respective menu.

**Tachometer**

![Tachometer Image]

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

---

**Caution**

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

**Fuel gauge**

![Fuel Gauge Image]

Displays the fuel level or gas content in the tank depending on the operation mode.
Number of LEDs displayed shows the level in the respective fuel tank. 8 LEDs means fuel tank is full.

During liquid gas operation, the level in the gas tank is displayed.

**Low fuel indication**

One remaining LED illuminating white indicates that the fuel level is low.
If the LED changes to red and illuminates yellow, refuel the tank soon.
If the LED illuminates red and flashes yellow, refuel immediately.
Never run the fuel tank dry.
The arrow indicates the vehicle side where the fuel filler flap is located.
Because of the fuel remaining in the tank, the top-up quantity may be less than the specified tank capacity.
During liquid gas operation, the system automatically switches over to petrol operation when gas tanks are empty 

86.
Fuel selector

Pressing LPG switches between petrol and liquid gas operation as soon as the required parameters (coolant temperature, gas temperature and minimum engine speed) have been reached. The requirements are usually fulfilled after approx. 60 seconds (depending on exterior temperature) and the first firm press on the accelerator. The LED status shows the current operating mode.

<table>
<thead>
<tr>
<th>LED status</th>
<th>Fuel operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED off</td>
<td>petrol operation</td>
</tr>
<tr>
<td>LED flashes</td>
<td>checking conditions for fuel transition to liquid gas operation.</td>
</tr>
<tr>
<td>LED illuminates</td>
<td>liquid gas operation</td>
</tr>
<tr>
<td>LED flashes five</td>
<td>liquid gas tank is empty or failure in liquid gas system. A message is displayed in the Driver Information Centre.</td>
</tr>
<tr>
<td>and extinguishes</td>
<td></td>
</tr>
</tbody>
</table>

The selected fuel mode is stored and reactivated at the next ignition cycle, if conditions allow.

As soon as the liquid gas tank is empty, petrol operation is automatically engaged until the ignition is switched off.

When switching automatically between petrol or gas operation, a brief delay of engine tractive power may be noticeable.

When petrol fuel tank is empty, the engine will not start.

Every six months, run the petrol tank down until control indicator \[\text{\textbullet}\] illuminates, then refuel. This helps maintain fuel quality and system function for petrol operation.

Fill the tank completely at regular intervals to prevent corrosion in the tank.

Faults and remedies

If gas mode is not possible, check whether there is enough liquid gas or petrol present for starting.

Due to extreme temperatures in combination with the gas composition, it may take slightly longer before the system switches from petrol to gas mode.

In extreme situations, the system may also switch back to petrol mode if the minimum requirements are not fulfilled. If conditions allow, it might be possible to manually switch back to liquid gas operation.

Seek the assistance of a workshop in the event of all other faults.
Caution
Repairs and adjustments may only be made by trained specialists in order to maintain the safety and warranty on the LPG system.

Liquid gas is given a particular odour (odorised) so that any leaks can be detected easily.

⚠️ Warning
If you smell gas in the vehicle or in the immediate vicinity, switch to petrol mode immediately. No smoking. No naked flames or ignition sources.

If the gas odour persists, do not start the engine. Have the cause of the fault remedied by a workshop.

When using underground car parks, follow the instructions of the operator and local laws.

**Note**
In the event of an accident, switch off the ignition.

### Fuel for liquid gas operation

**Engine coolant temperature gauge**

Number of LEDs displayed shows the coolant temperature.

- up to 3 LEDs: engine operating temperature not yet reached
- 4 to 6 LEDs: normal operating temperature
- more than 6 LEDs: 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.

When the system has calculated that engine oil life has been diminished, a warning message appears in the Driver Information Centre. Have engine oil and filter changed by a workshop within one week or 500 km, whichever occurs first.

This can be an additional engine oil and filter change or part of a regular service.

To display the remaining engine oil life duration use the buttons on the stalk:
Press MENU to select the Vehicle Information Menu.

Turn the adjuster wheel to select Remaining Oil Life.

The remaining engine oil life duration is displayed in percent in the Driver Information Centre.

**Reset**

Press SET/CLR on the stalk for several seconds to reset. The remaining engine oil life duration menu must be active. Switch on ignition, but not the engine.

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

**Next service**

A message appears in the Driver Information Centre, when maintenance of the vehicle is required. Have maintenance work carried out by a workshop within one week or 500 km, whichever occurs first.

Driver Information Centre 97.

Service information 234.

**Control indicators**

The control indicators described are not present in all vehicles. The description applies to all instrument versions.

Depending on the equipment, the position of the control indicators may vary. When the ignition is switched on, most control indicators will illuminate briefly as a functionality test.

The control indicator colours mean:

- **red**: danger, important reminder
- **yellow**: warning, information, fault
- **green**: confirmation of activation
- **blue**: confirmation of activation
- **white**: confirmation of activation
Control indicators in the instrument cluster
Control indicators in the centre console

Overview

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△ Seat belt reminder  91
▲ Airbag and belt tensioners  91
☆ Airbag deactivation  92
□ Charging system  92
〇 Malfunction indicator light  92
_gc Service vehicle soon  92

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▲ Operate pedal  93
(●) Antilock brake system (ABS)  93
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★ Cruise control  96
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★ Speed limiter  96
★ Traffic sign assistant  96
★ Door open  96

Turn lights
〇 illuminates or flashes green.

Illuminates briefly
The parking lights are switched on.
Flashes
A turn light or the hazard warning flashers are activated.
Rapid flashing: failure of a turn light or associated fuse.
Bulb replacement ◊ 196.
Fuses ◊ 204.
Turn lights ◊ 118.

Seat belt reminder

Seat belt reminder on front seats

懈 for front passenger seat illuminates or flashes red in the centre console when the seat is occupied.

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

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

Fastening the seat belt ◊ 42.

Seat belt status on rear seats

懈 in the Driver Information Centre flashes or illuminates.

Illuminates
After having started the engine for a minimum of 35 seconds, until the seat belt has been fastened.
Also illuminates if an unfastened seat belt is fastened whilst driving.

Flashes
After starting-off, when the seat belt is unfastened.
Fastening the seat belt ◊ 42.

Airbag and belt tensioners

懈 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 airbag system. Seek the assistance of a workshop. The airbags and belt pretensioners may fail to trigger in the event of an accident.
Instruments and controls

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

⚠️ Warning

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

Belt pretensioners ⚫ 41.
Airbag system ⚫ 44.

Airbag deactivation

⧫ illuminates yellow.
Illuminates for approx. 60 seconds after the ignition is switched on. The front passenger airbag is activated.

⧫₂ illuminates yellow.
The front passenger airbag is deactivated ⚫ 49.

⚠️ Danger

Risk of fatal injury for a child using a child restraint system together with activated front passenger airbag.
Risk of fatal injury for an adult person with deactivated front passenger airbag.

Charging system

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

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

Malfunction indicator light

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

Illuminates when the engine is running
Fault in the emission control system. The permitted emission limits may be exceeded. Seek the assistance of a workshop immediately.

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

Service vehicle soon

⚠️ illuminates yellow.
Additionally, a warning message is displayed in the Driver Information Centre.
The vehicle requires a service. Seek the assistance of a workshop.
Vehicle messages ⚫ 103.
Brake and clutch system

- 攻打 illuminates red.

The brake and clutch fluid level is too low, when manual parking brake is not applied 攻打 193.

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stop. Do not continue your journey. Consult a workshop.</td>
</tr>
</tbody>
</table>

Illuminates when the manual parking brake is applied and ignition is switched on 攻打 150.

Operate pedal

- 攻打 illuminates or flashes yellow.

Illuminates

Clutch pedal must be depressed to start the engine in Autostop mode.

Stop-start system 攻打 136.

Flashes

Clutch pedal must be depressed to start the engine with the key 攻打 19, 攻打 135.

On some versions, the Driver Information Centre indicates a message to operate the clutch pedal 攻打 103.

Antilock brake system (ABS)

- 攻打 illuminates yellow.

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

If the control indicator does not go out after a few seconds, or if it illuminates while driving, there is a fault in the ABS. The brake system remains operational but without ABS regulation.

Antilock brake system 攻打 149.

Gear shifting

- 攻打 with the number of a higher gear is indicated, when upshifting is recommended for fuel saving reasons.

On some versions, the Driver Information Centre indicates a message to operate the clutch pedal 攻打 103.

Power steering

- 攻打! illuminates yellow.

Illuminates with power steering disabled

Failure in the power steering system. Consult a workshop.

Illumination of 攻打! and 攻打 simultaneously

Power steering system must be calibrated, system calibration 攻打 153.

Lane departure warning

- 攻打! illuminates green or flashes yellow.

Illuminates green

System is switched on and ready to operate.

Flashes yellow

System recognises an unintended lane change.

Lane departure warning 攻打 176.
Parking assist
P💡 illuminates yellow.
Fault in system
or
Fault due to sensors that are dirty or covered by ice or snow
or
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.
Parking assist 🔄 160.

Electronic Stability Control
off
💡 illuminates yellow.
The system is deactivated.
Electronic Stability Control 🔄 152.

Electronic Stability Control and Traction Control system
💡 flashes or illuminates yellow.

Flashes
The system is actively engaged. Engine output may be reduced and the vehicle may be braked automatically to a small degree.

Illuminates
A fault in the system is present. A warning message or warning code appears in the Driver Information Centre. Continued driving is possible. The system is not operational. Driving stability, however, may deteriorate depending on road surface conditions.
Have the cause of the fault remedied by a workshop.
Electronic Stability Control 🔄 152.

Traction Control system off
💡 illuminates yellow.
The system is deactivated.
Traction Control system 🔄 151.

Preheating
💡 illuminates yellow.
Preheating of diesel engine is activated. Only activates when outside temperature is low.

Exhaust filter
💡 illuminates or flashes yellow.
The exhaust filter requires cleaning.
Continue driving until 💡 extinguishes. If possible, do not allow engine speed to drop below 2000 rpm.

Illuminates
The exhaust filter is full. Start cleaning process as soon as possible.

Flashes
The maximum filling level of the filter is reached. Start cleaning process immediately to avoid damage to the engine.
Exhaust filter 🔄 140.
Stop-start system 🔄 136.
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. 
Tyre pressure monitoring system 212.

Engine oil pressure

Illuminates red.

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

Illuminates when the engine is running

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine lubrication may be interrupted. This may result in damage to the engine and/or locking of the drive wheels.</td>
</tr>
</tbody>
</table>

1. Depress the clutch.
2. Set selector lever to neutral.
3. Move out of the flow of traffic as quickly as possible without impeding other vehicles.
4. Switch off the ignition.

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>When the engine is off, considerably more force is needed to brake and steer. During an Autostop, the brake servo unit will still be operational. Do not remove key until vehicle is stationary, otherwise the steering wheel lock could engage unexpectedly.</td>
</tr>
</tbody>
</table>

Check oil level before seeking the assistance of a workshop 191.

Low fuel

Illuminates or flashes yellow.

Illuminates
Level in fuel tank is too low.

Flashes

Immobiliser

Flashes yellow.

Fault in the immobiliser system. The engine cannot be started. Immobiliser 29.

Reduced engine power

Illuminates yellow.
The engine power is limited. Consult a workshop.

**Autostop**

**Autostop active**

照亮红色或白色。

发动机处于自动停止状态。

**Stop-start system** 136.

**Exterior light**

照亮绿色。

外部灯光开启 113.

**High beam**

照亮蓝色。

开启时高远光灯或在前照灯闪炼时 115.

**High beam assist**

照亮绿色。

高远光辅助开启 116.

**Fog light**

照亮绿色。

前雾灯开启 118.

**Rear fog light**

照亮黄色。

后雾灯开启 118.

**Cruise control**

照亮白色或绿色。

点亮白色。

系统开启。

点亮绿色。

巡航控制开启。

巡航控制 154.

**Vehicle detected ahead**

照亮绿色。

前方车辆检测到在同车道。

前方碰撞警报 157.

**Speed limiter**

照亮在驾驶员信息中心时速限制器开启。限速指示在 156.
Displays

Driver Information Centre

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

The following menus are selectable in the Driver Information Centre using the buttons on the stalk:

- vehicle information and settings
- trip/fuel information
- economic information

The following indications appear if required:

- warning messages 103
- gear shift indication 93
- drive mode indication 141, 146
- tyre pressure warning 212
- seat belt reminder indication 91

Main menus are:

- trip/fuel information, see description below
- vehicle information, see description below

Some of the displayed functions differ when the vehicle is being driven or at a standstill. Some functions are only available when the vehicle is being driven.

Midlevel display

Uplevel display

Main menus are:

- trip/fuel information menu, displayed by \i\, see description below
- vehicle information menu, displayed by \\, see description below
- eco information menu, displayed by \@, see description below

Note

Some systems override the main menu tabs. The currently active tab is indicated by a small arrow head.
Instruments and controls

Some of the displayed functions differ when the vehicle is being driven or at a standstill. Some functions are only available when the vehicle is being driven.

Selecting menus and functions
The menus and functions can be selected via the buttons on the stalk.

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

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

Press SET/CLR to select and confirm a function.
Vehicle and service messages are popped-up in the Driver Information Centre if required. Confirm messages by pressing SET/CLR.
Vehicle messages $103.

Trip/Fuel information menu
Possible pages are:
- digital vehicle speed
- trip odometer
- average fuel economy
- average vehicle speed
- instantaneous fuel economy
- fuel range
- fuel range LPG version
- timer
- outside temperature
Selection and indication is different between Midlevel display and Uplevel display.

Digital vehicle speed
Digital display of the instantaneous speed.

Trip odometer
Trip odometer displays the current distance since a certain reset.
Trip odometer counts up to 9999 km and then restarts at 0.
Turn the adjuster wheel to select between trip odometer 1 and 2 for Uplevel display.
To reset, press SET/CLR for a few seconds while viewing this page.
The information of trip page 1 and 2 can be reset separately while the respective display is active.

Average fuel economy
Display of average consumption. The measurement can be reset at any time and starts with a default value.
To reset, press SET/CLR for a few seconds while viewing this page.
The information of trip page 1 and 2 can be reset separately while the respective display is active.
On vehicles with LPG engines:
Average consumption is indicated for the currently selected mode, LPG or petrol.
**Average vehicle speed**
Display of average speed. The measurement can be reset at any time.
To reset, press SET/CLR for a few seconds while viewing this page.
The information of trip page 1 and 2 can be reset separately while the respective display is active.

**Instantaneous fuel economy**
Display of the instantaneous consumption.
On vehicles with LPG engines: Instantaneous consumption is indicated for the currently selected mode, LPG or petrol.

**Fuel range**
Range is calculated from current fuel tank level 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 on the display and control indicator \( \square \) in the fuel gauge illuminates.

When the tank must be refuelled immediately, a warning message appears and remains on the display. Additionally, control indicator \( \square \) flashes in the fuel gauge \( \diamond \) 95.

**Fuel range, LPG version**
Display of the approximate total fuel range for each fuel tank (LPG and petrol). A low fuel level in either tank is indicated by Low in the respective section.

**Outside temperature**
Display of current outside temperature.

**Vehicle information menu**
Possible pages are:
- unit
- speed warning
- remaining engine oil life indication
- tyre pressure
- tyre loading
- outside temperature
- following distance
- traffic sign assistant
- language
Selection and indication is different between Midlevel display and Uplevel display.

**Unit**
Press SET/CLR while page is displayed. Select imperial (unit 1) or metric (unit 3) by turning the adjuster wheel. Press SET/CLR to set the unit of measurement.
Instruments and controls

**Speed warning**

The speed warning function alerts the driver when a set speed is exceeded. To set the speed warning, press **SET/CLR** while the page is displayed. Turn the adjuster wheel to select the value. Press **SET/CLR** to set the speed. If the selected speed limit is exceeded, a warning chime sounds. Once the speed is set, this feature can be turned off by pressing **SET/CLR** while viewing this page.

**Remaining oil life**
Indicates an estimate of the oil's useful life. The number in percentage means the current remaining oil life and indicates when to change the engine oil and filter 🔄 87.

**Tyre pressure**
Tyre pressures of all wheels are displayed on this page during driving 🔄 212.

**Tyre load**
The tyre pressure category according to the actual tyre inflation pressure can be selected 🔄 212.

**Outside temperature**
Display of current outside temperature.

**Following distance**
Displays the distance in seconds to a preceding moving vehicle 🔄 160.

**Traffic sign assistant**
Displays the detected traffic signs for the current route section 🔄 173.

**Language**
Select preferred country language as the display language.

**Eco information menu**
Possible pages are:
- economy trend
- economy index
- top consumers

**Economy trend**
Displays the average consumption development over a distance of 50 km. Filled segments display the
consumption in 5 km steps and shows the effect of topography or driving behaviour on fuel consumption.

Graph can be reset by pressing SET/CLR.

**Economy index**
The current fuel consumption is indicated on an economic scale. For economical driving, adapt driving style to keep the filled segments within the Eco area. The more segments are filled, the higher the fuel consumption.

Simultaneously, the average consumption value is indicated.

**Top consumers**
List of top comfort consumers currently switched on is displayed in descending order. Fuel saving potential is indicated.

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

### Info Display

#### Colour Info Display

Depending on the vehicle configuration, the vehicle has a Colour Info Display with touch screen functionality.

The Colour Info Display with touch screen functionality indicates in colour:

- time 80
- outside temperature 79
- date 80
- rear view camera indication 172
- parking assist and advanced parking assist instructions 160
- electronic climate control settings 126
- Infotainment system, see description in the Infotainment manual
- system messages
- vehicle messages 103
- settings for vehicle personalisation 106

The type of information and how it is displayed depends on the settings made.

**Selecting menus and settings**

Menus and settings are selected via the touch screen display.

Press ⊘ to switch on the display.

Press ⊙ to display the homepage.

Touch required menu display icon with the finger.
Touch a respective icon to confirm a selection.

Touch ⌛ to return to the next higher menu level.

Press ☐ to return to the homepage.

For further information, see Infotainment manual.

Vehicle personalisation ☐ 106.

**Graphic Info Display**

Depending on the vehicle configuration, the vehicle has a Graphic Info Display.

The Graphic Info Display indicates:
- time ☐ 80
- outside temperature ☐ 79
- date ☐ 80
- electronic climate control settings ☐ 126
- Infotainment system, see description in the Infotainment manual
- settings for vehicle personalisation ☐ 106

**Selecting menus and settings**

Menus and settings are accessed via the display.

Press CONFIG: Menu page Settings is displayed.

Turn knob MENU-TUNE to select a setting or value.

Press knob MENU-TUNE to confirm a setting or value.

Press BACK to exit a menu or setting without changing or delete the last character in a character sequence. Press the button for a few seconds to delete the entire entry.

To exit the Settings menu, press BACK in steps or press CONFIG after confirming the changes.

Vehicle personalisation ☐ 106.

Memorised settings ☐ 24.
Vehicle messages

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

Press SET/CLR, MENU or turn the adjuster wheel to confirm a message.

Vehicle messages on Midlevel display

The vehicle messages are displayed as code numbers.

<table>
<thead>
<tr>
<th>No.</th>
<th>Vehicle message</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Change engine oil</td>
</tr>
<tr>
<td>3</td>
<td>Engine coolant level low</td>
</tr>
<tr>
<td>4</td>
<td>Air conditioning off</td>
</tr>
<tr>
<td>5</td>
<td>Steering wheel is locked</td>
</tr>
<tr>
<td>7</td>
<td>Turn steering wheel, switch ignition off and then on</td>
</tr>
<tr>
<td>9</td>
<td>Turn steering wheel, start engine again</td>
</tr>
<tr>
<td>12</td>
<td>Vehicle overloaded</td>
</tr>
<tr>
<td>13</td>
<td>Compressor overheated</td>
</tr>
<tr>
<td>15</td>
<td>Centre high-mounted brake light failure</td>
</tr>
<tr>
<td>16</td>
<td>Brake light failure</td>
</tr>
<tr>
<td>17</td>
<td>Headlight levelling malfunction</td>
</tr>
<tr>
<td>18</td>
<td>Left low beam failure</td>
</tr>
<tr>
<td>19</td>
<td>Rear fog light failure</td>
</tr>
<tr>
<td>20</td>
<td>Right low beam failure</td>
</tr>
<tr>
<td>21</td>
<td>Left sidelight failure</td>
</tr>
<tr>
<td>22</td>
<td>Right sidelight failure</td>
</tr>
<tr>
<td>23</td>
<td>Reversing light failure</td>
</tr>
<tr>
<td>24</td>
<td>Number plate light failure</td>
</tr>
<tr>
<td>25</td>
<td>Left front turn light failure</td>
</tr>
<tr>
<td>26</td>
<td>Left rear turn light failure</td>
</tr>
<tr>
<td>27</td>
<td>Right front turn light failure</td>
</tr>
</tbody>
</table>
## Instruments and controls

<table>
<thead>
<tr>
<th>No.</th>
<th>Vehicle message</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>Right rear turn light failure</td>
</tr>
<tr>
<td>29</td>
<td>Check trailer brake light</td>
</tr>
<tr>
<td>30</td>
<td>Check trailer reversing light</td>
</tr>
<tr>
<td>31</td>
<td>Check left trailer turn light</td>
</tr>
<tr>
<td>32</td>
<td>Check right trailer turn light</td>
</tr>
<tr>
<td>33</td>
<td>Check trailer rear fog light</td>
</tr>
<tr>
<td>34</td>
<td>Check trailer rear light</td>
</tr>
<tr>
<td>35</td>
<td>Replace battery in radio remote control</td>
</tr>
<tr>
<td>48</td>
<td>Clean side blind spot alert system</td>
</tr>
<tr>
<td>49</td>
<td>Lane departure warning unavailable</td>
</tr>
<tr>
<td>53</td>
<td>Tighten fuel filler cap</td>
</tr>
<tr>
<td>54</td>
<td>Water in diesel fuel filter</td>
</tr>
<tr>
<td>55</td>
<td>Exhaust filter is full</td>
</tr>
<tr>
<td>56</td>
<td>Tyre pressure imbalance on front axle</td>
</tr>
<tr>
<td>57</td>
<td>Tyre pressure imbalance on rear axle</td>
</tr>
<tr>
<td>58</td>
<td>Tyres without pressure sensors detected</td>
</tr>
<tr>
<td>59</td>
<td>Open then close driver window</td>
</tr>
<tr>
<td>60</td>
<td>Open then close front passenger window</td>
</tr>
<tr>
<td>65</td>
<td>Theft attempted</td>
</tr>
<tr>
<td>66</td>
<td>Service anti-theft alarm system</td>
</tr>
<tr>
<td>67</td>
<td>Service steering wheel lock</td>
</tr>
<tr>
<td>68</td>
<td>Service power steering</td>
</tr>
<tr>
<td>75</td>
<td>Service air conditioning</td>
</tr>
<tr>
<td>76</td>
<td>Service side blind spot alert system</td>
</tr>
<tr>
<td>79</td>
<td>Top up engine oil</td>
</tr>
<tr>
<td>81</td>
<td>Service transmission</td>
</tr>
<tr>
<td>82</td>
<td>Change engine oil soon</td>
</tr>
<tr>
<td>84</td>
<td>Engine power reduced</td>
</tr>
<tr>
<td>89</td>
<td>Service vehicle soon</td>
</tr>
<tr>
<td>90</td>
<td>Service brake assist</td>
</tr>
<tr>
<td>94</td>
<td>Shift to park before exiting</td>
</tr>
<tr>
<td>95</td>
<td>Service airbag</td>
</tr>
<tr>
<td>128</td>
<td>Bonnet open</td>
</tr>
<tr>
<td>134</td>
<td>Parking assist fault, clean bumper</td>
</tr>
<tr>
<td>136</td>
<td>Service parking assist</td>
</tr>
<tr>
<td>145</td>
<td>Check washer fluid level</td>
</tr>
<tr>
<td>151</td>
<td>Press clutch to start</td>
</tr>
<tr>
<td>174</td>
<td>Low vehicle battery</td>
</tr>
<tr>
<td>258</td>
<td>Parking assist off</td>
</tr>
</tbody>
</table>

### Vehicle messages on Uplevel display

The vehicle messages are displayed as text. Follow the instructions given in the messages.
Vehicle messages on Colour Info Display
Some important messages appear additionally in the Colour Info Display. Some messages only pop-up for a few seconds.

Warning chimes
If several warnings appear at the same time, only one warning chime will sound.

When starting the engine or whilst driving
The warning chime regarding unfastened seat belts has priority over any other warning chime.
- If seat belt is not fastened.
- If a door or the tailgate is not fully closed when starting off.
- If a certain speed is exceeded with parking brake applied.
- If a programmed speed is exceeded.
- If a warning message appears in the Driver Information Centre or Info Display.

- If the parking assist detects an object.
- If unintended lane change occurs.
- If the reverse gear is engaged and the rear end carrier extended.
- If the exhaust filter has reached the maximum filling level.

When the vehicle is parked and / or the driver's door is opened
- With exterior lights on.

During an Autostop
- If the driver's door is opened.

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

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

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

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

Midlevel display
When the vehicle battery voltage is running low, a warning code 174 will appear in the Driver Information Centre.

1. Switch off immediately any electrical consumers which are not required for a safe drive, e.g. seat heating, heated windscreen and heated rear window or other main consumers.

2. Charge the vehicle battery by driving continuously for a while or by using a charging device.

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

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

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

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

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

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

Personal settings

Graphic Info Display

Press CONFIG for the Settings menu.

Turn the MENU-TUNE control to move to the desired setup menu, and then press MENU-TUNE.

Select Settings and then Vehicle settings.

Vehicle settings

- Climate and air quality
  Auto fan speed: Modifies the level of the cabin airflow of the climate control in automatic mode.

Auto rear demist: Activates automatically the heated rear window.

- Comfort settings
  Chime volume: Changes the volume of warning chimes.
  Personalization by driver: Activates or deactivates the personalisation function.
  Rear auto wipe in reverse: Activates or deactivates automatic switching on of the rear window wiper when reverse gear is engaged.

- Park assist / Collision detection
  Park assist: Activates or deactivates the parking assist. Activation is selectable with or without attached trailer coupling.
  Side blind zone alert: Changes the settings for the side blind spot alert system.

- Exterior ambient lighting
  Exterior lighting by unlocking: Activates or deactivates the entry lighting.

Duration upon exit of vehicle:
Activates or deactivates and changes the duration of exit lighting.

- **Power door locks**

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

  **Stop door lock if door open:** Activates or deactivates the door locking function while a door is open.

  **Delayed door lock:** Activates or deactivates the delayed door locking function. This menu option is displayed with **Stop door lock if door open** deactivated.

- **Remote locking, unlocking, starting**

  **Remote unlock feedback:** Activates or deactivates the hazard warning flasher feedback whilst unlocking.

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

- **Restore factory settings:**

  Resets all settings to the default settings.

**Personal settings**

**Colour Info Display**

Press \( \) and then select **Settings**.

In the corresponding submenus the following settings can be changed:

**Vehicle**

- **Climate & Air Quality**

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

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

- **Collision / Detection Systems**

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

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

- **Comfort and Convenience**

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

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

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

- **Lighting**
  - **Vehicle Locator Lights**: Activates or deactivates the entry lighting.
  - **Exit Lighting**: Activates or deactivates and changes the duration of exit lighting.

- **Power Door Locks**
  - **Unlocked Door Anti Lock Out**: Activates or deactivates the door locking function while a door is open.
  - **Auto Door Lock**: Activates or deactivates the automatic door locking function after switching on ignition.
  - **Delayed Door Lock**: Activates or deactivates the delayed door locking function. This feature delays the actual locking of the doors until all doors are closed.

- **Remote Lock, Unlock, Start**
  - **Remote Unlock Light Feedback**: Activates or deactivates the hazard warning flasher feedback whilst unlocking.
  - **Remote Door Unlock**: Changes the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.
  - **Relock Remotely Unlocked Doors**: Activates or deactivates the automatic relock function after unlocking without opening the vehicle.

- **Rear camera**
  - **Rear View Camera Guidelines**: Activates or deactivates the rear view camera guidelines on the Info Display.
  - **Rear Park Assist Symbols**: Activates or deactivates the warning symbols on the Info Display.

---

**Telematics service**

**OnStar**

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

**Note**

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

**Note**

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

To activate the OnStar services and set up an account, press ☑ and speak with an advisor.
Depending on the equipment of the vehicle, the following services are available:

- Emergency services and support in the case of a vehicle breakdown
- Wi-Fi hotspot
- Smartphone application
- Remote control, e.g. location of the vehicle, activation of horn and lights, control of central locking system
- Stolen vehicle assistance
- Vehicle diagnostics
- Destination download

**Note**

The OnStar module of the vehicle is deactivated after ten days without an ignition cycle. Functions requiring a data connection will be available again after switching on the ignition.

### OnStar buttons

**Privacy button**

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

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

Press ✈ to access the Wi-Fi settings.

**Service button**

Press ✈ to establish a connection to an advisor.

**SOS button**

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

**Status LED**

- **Green**: The system is ready with activated transmission of the vehicle location.
- **Green flashing**: The system is on a call.
- **Red**: A problem arose.
- **Off**: The system is ready with deactivated transmission of the vehicle location or the system is in standby mode.
- **Red / green flashing for a short period of time**: The transmission of the vehicle location has been deactivated.

### OnStar services

**General services**

If you need any information e.g. opening hours, points of interest and destinations or if you need any support e.g. in the case of a vehicle breakdown, etc.
In the case of an emergency situation, press \( Z \) and talk to an advisor. The advisor then contacts emergency or assistance service providers and directs them to your vehicle.

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

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

To change the SSID or password, press \( Z \) and talk to an advisor or log in to your account.

To switch off the Wi-Fi hotspot functionality, press \( Z \) to call an advisor.

Smartphone app
With the myOpel smartphone app, some vehicle functions can be operated remotely.

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

To operate these functions, download the app from App Store® or Google Play™ Store.
Remote control
If desired, use any phone to call an advisor, who can remotely operate specific vehicle functions. Find the respective OnStar phone number on our country-specific website.

The following functions are available:

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

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

OnStar can provide support in locating and recovering the vehicle.

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

Restart prevention
By sending remote signals, OnStar can prevent the vehicle from restarting once it has been turned off.

On-demand diagnostics
At any time e.g. if the vehicle displays a vehicle message, press ☑ to contact an advisor and ask to complete a real-time diagnostic check to directly determine the issue. Depending on the results, the advisor will provide further support.

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

Note
The workshop notification function can be disabled in your account.

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

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

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

Press ☑ to call an advisor and describe the destination or point of interest.

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

OnStar settings

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

To change the PIN, press ☑ to call an advisor.
Instruments and controls

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

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

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

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

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

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

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

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

Find the privacy policy in your account.

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

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

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Exterior lighting

Light switch

Turn light switch:

0 : lights off

 sidelights

D : headlights

Control indicator 96.
Light switch with automatic light control

Turn light switch:

**AUTO** : automatic light control:
- headlights are switched on and off automatically depending on external lighting conditions

**[^]** : activation or deactivation of the automatic light control.
- Switch turns back to **AUTO**

**[^]** : sidelights

**[^][^]** : headlights

A status message in the Driver Information Centre indicates the current status of the automatic light control.

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

When headlights are on, **[^]** illuminates.

Control indicator **[^]** 96.

**Tail lights**

Tail lights are illuminated together with headlights and sidelights.

**Automatic light control**

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

Daytime running light 116.

**Automatic headlight activation**

During poor lighting conditions the headlights are switched on.

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

**Tunnel detection**

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

To switch from low to high beam, push stalk.
To switch to low beam, push stalk again or pull.
High beam assist \( \# \) 116.

Headlight flash

To activate the headlight flash, pull stalk.

Headlight range adjustment

Manual headlight range adjustment

To adapt headlight range to the vehicle load to prevent dazzling: turn thumb wheel \( \# \) to required position.
0 : front seats occupied
1 : all seats occupied
2 : all seats occupied and load compartment laden
3 : driver’s seat occupied and load compartment laden

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.

There are two adjuster elements on each headlight housing.
Turn both adjuster elements on each headlight housing \( 1/2 \) turn with a size six hexagon key anticlockwise to
Lighting

set to right-hand traffic mode. Therefore, insert the key in the guide as shown in the illustration. Alternatively, a Phillips head screwdriver size three can be used for setting.

To reset to left-hand traffic mode, turn adjuster elements 1/2 turn clockwise.

Daytime running lights
Daytime running light increases visibility of the vehicle during daylight. They are switched on automatically when ignition is on.

Versions with automatic light control
The system switches automatically between daytime running light and headlights, depending on the lighting conditions and information given by the rain sensor system.

Automatic light control 114.

Xenon lighting system
Xenon lighting system includes:

- xenon headlights for low and high beam
- high beam assist
- corner lighting
- reversing function

Xenon headlights
Xenon headlights for low and high beam ensure better visibility under all conditions.

Operation is the same as for halogen headlights.

Light switch 113.

High beam 115.

Headlight flash 115.

Headlight range adjustment 115.

Headlights when driving abroad 115.

Automatic light control 114.

High beam assist
This feature allows high beam xenon lights to function as the main driving light at night and when vehicle speed exceeds 40 km/h.

It switches automatically to low beam when:

- The camera in the windscreen detects the lights of oncoming or preceding vehicles.
- The vehicle speed drops below 20 km/h.
- It is foggy or snowy.
- Driving in urban areas.

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

Activation
The high beam assist is activated by pushing the stalk twice at a speed above 40 km/h.

The green control indicator  illuminate continuously when the assist is activated, the blue one  illuminates when high beam is on. Control indicator  96.

**Deactivation**
Push the stalk once. It is also deactivated when front fog lights are switched on.

If a headlight flash is activated when the high beam is on, the high beam assist will be deactivated.

If a headlight flash is activated when the high beam is off, the high beam assist will remain activated.

The latest setting of the high beam assist will remain after the ignition is switched on again.

---

**Corner lighting**

On tight bends or when turning off, depending on the steering angle or the indicator light signal, 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.

**Reversing function**

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

---

**Hazard warning flashers**

Operated by pressing  .

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

- stalk up: right turn light
- stalk down: left turn light

A resistance point can be felt when moving the stalk. Constant flashing is activated when the stalk is being moved beyond the resistance point. It is deactivated when the steering wheel is moved in the opposite direction or stalk is manually moved back to its neutral position.

Activate temporary flashing by holding the stalk just before the resistance point. Turn lights will flash until stalk is being released.

To activate three flashes, tap the stalk briefly without passing the resistance point.

Front fog lights

Operated by pressing $D$. Light switch in position AUTO: switching on front fog lights will switch the low beam on automatically.

Rear fog light

Operated by pressing $F$. Light switch in position AUTO: switching on rear fog light will switch on headlights automatically.
Parking lights

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

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

Confirmed by an acoustic signal and the corresponding turn light control indicator.

Reversing lights

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

Misted light covers

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

Interior lighting

Instrument panel illumination control

Brightness of the following lights can be adjusted when the exterior lights are on:

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

Turn thumb wheel ⚫ and hold until the desired brightness is obtained.
On vehicles with automatic light control, the brightness can only be adjusted when the exterior lights are on and the light sensor detects night conditions.

**Interior lights**

**Front courtesy light**

Operate rocker switch:
- centre position: automatic switching on when opening a door, turns off after a delay
- press 1: permanently on
- press 0: permanently off

**Front courtesy light with reading lights**

When opening a door, the courtesy light automatically switches on and then off after a delay.

Pressing 🌎 switches courtesy light on or off manually.

Switching on ignition will turn off courtesy light.

When exterior lighting has been on previously, courtesy light will turn on when ignition is switched off.

**Note**

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

**Rear courtesy lights**

Left and right lamps are operated separately.

Operate rocker switches:
- centre position: automatic switching on when opening a door, turns off after a delay
- press 1: permanently on
- press 0: permanently off
Dome light
Spotlight incorporated in the inside mirror housing comes on when headlights are switched on. Dome light illuminates gear shifting console indirectly.

Reading lights
Operated by pressing 📦 for the left and right side.

Lighting features

Entry lighting

Welcome lighting
The following lights are switched on for a short time by unlocking the vehicle with the radio remote control:
- headlights
- tail lights
- number plate lights
- instrument panel light
- interior lights
Some functions are only operable when it is dark outside, to facilitate locating the vehicle.
Lighting switches off immediately when the ignition key is turned to position 1 📺 134.
Activation or deactivation of this function can be changed in the Info Display.
Vehicle personalisation 🌟 106.
The settings can be saved for the key being used 🌟 24.

The following lights will additionally switch on when the driver's door is opened:
- illumination of all switches
- Driver Information Centre

Exit lighting
The following lights switch on if the key is removed from the ignition switch:
- interior lights
- instrument panel light (only when it is dark)
They will switch off automatically after a delay and will be activated again if the driver's door is opened.

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

1. Switch off the ignition.
2. Remove the ignition key.
3. Open driver's door.
4. Pull the stalk.
5. Close the driver's door.

If the driver's door is not closed the lights switch off after 2 minutes.

Exit lighting is switched off immediately if the stalk is pulled while the driver's door is open.

Activation, deactivation and duration of this function can be changed in the Info Display.

Vehicle personalisation ⊳ 106.

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

Battery discharge protection

Vehicle battery state of charge function

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

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

- heated rear window
- heated windscreen
- heated mirrors
- heated seats
- fan

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

Switching off electric lights

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

Climate control systems ............................. 123
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Climate control systems

Heating and ventilation system

Controls for:
- temperature
- fan speed
- air distribution

Heated rear window 33.
Heated windscreen 34.
Heated seats 40.
Heated steering wheel 76.

Temperature
red : warm
blue : cold

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

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

Air distribution

: to head area
: to head area and foot well
: to foot well and windscreen
: to windscreen, front door windows and foot well
: to windscreen and front door windows

Intermediate settings are possible.
Demisting and defrosting the windows

- Set temperature control to warmest level.
- Set fan speed to highest speed.
- Set air distribution control to 🌚.
- Switch on heated rear window 🛡.
- Open side air vents as required and direct them towards door windows.
- For simultaneous warming of the foot well, set air distribution control to 🌚.

Air conditioning system

Controls for:
- temperature
- fan speed
- air distribution

- 🎈: cooling
- 🌸: air recirculation
- 🛡: heated rear window 🌊 33

Heated windscreen 🌊 34.
Heated seats 🌊 40.
Heated steering wheel 🌊 76.

Temperature

red : warm
blue : cold

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

Fan speed

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

Air distribution

- 🌋: to head area
- 🌋: to head area and foot well
- 🌋: to foot well and windscreen
- 🌋: to windscreen, front door windows and foot well
- 🌋: to windscreen and front door windows (air conditioning is activated in the background to help preventing windows from fogging)

Intermediate settings are possible.
Climate control

Cooling

Press ⚡ to switch on cooling. The LED in the button illuminates to indicate activation. Cooling is only functional when the engine is running and climate control fan is switched on.

Press ⚡ again to switch off cooling.

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

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

Activated cooling may inhibit Autostops.

Stop-start system ⚡ 136.

Air recirculation system ⚡

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

Press ⚡ again to deactivate air recirculation mode.

Warning

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

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

Maximum cooling

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

Demisting and defrosting the windows 🍃

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

Note
If air distribution mode ⏰ is selected while engine is running, an Autostop will be inhibited until another air distribution is selected.

If air distribution mode ⏰ is selected while the engine is in an Autostop, the engine will restart automatically.

Stop-start system 🔒 136.

Electronic climate control system
Climate control settings are shown on the Info Display. Setting modifications are briefly popped-up, superimposed over the currently displayed menu. The electronic climate control system is only fully operational when the engine is running.

**Automatic mode AUTO**

Basic setting for maximum comfort:
- Press AUTO, air distribution and fan speed are regulated automatically. The LED in the button illuminates to indicate activation.

- Open all air vents to allow optimised air distribution in automatic mode.
- Press ♂ to switch on optimal cooling and demisting. The LED in the button illuminates to indicate activation.
- Set the preselected temperature using the centre rotary knob. Recommended temperature is 22 °C.

**Temperature preselection**

Set temperature by turning the centre rotary knob to the desired value. It is indicated on the display in the switch. For reasons of comfort, change temperature only in small increments.

Controls for:
- fan speed
- temperature
- air distribution

☀️ : cooling
AUTO : automatic mode
ניסי : manual air recirculation
❑ : demisting and defrosting
❑ : heated rear window 🌡️ 33

Heated windscreen 🌡️ 34.
Heated seats ♂ 🌡️ 40.
Heated steering wheel ♂ 🌡️ 76.

In automatic mode, temperature, fan speed and air distribution are regulated automatically.
If the minimum temperature Lo is set, the climate control system runs at maximum cooling if cooling is switched on.

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

**Note**
If is switched on, reducing the set cabin temperature can cause the engine to restart from an Autostop or inhibit an Autostop.

Stop-start system 136.

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**Demisting and defrosting the windows**

- Press . The LED in the button illuminates to indicate activation.
- Temperature and air distribution are set automatically and the fan runs at high speed.
- Switch on heated rear window .
- To return to previous mode: press . To return to automatic mode: press AUTO.

Setting of automatic rear window heating can be changed in the Info Display.
Vehicle personalisation 106.

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

If s is pressed with the fan switched on and the engine running, an Autostop will be inhibited until s is pressed again or until the fan is switched off.

If is pressed while the engine is in an Autostop, the engine will restart automatically.

If s is pressed with the fan switched on while the engine is in an Autostop, the engine will restart automatically.

Stop-start system 136.

**Manual settings**

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

Turn left rotary knob to decrease or increase fan speed. The fan speed is indicated in the Info Display.

Turning knob to $\odot$: fan and cooling are switched off.

To return to automatic mode: Press AUTO.

Air distribution

Turn right rotary knob for desired adjustment. Setting is indicated in the Info Display.

$\odot$: to foot well and windscreen
$\odot^\prime$: to windscreen, front door windows and foot well
$\odot^\prime\prime$: to windscreen and front door windows (air conditioning is activated in the background to help preventing windows from fogging)
$\odot^\prime\prime\prime$: to head area via adjustable air vents
$\odot^\prime\prime\prime\prime$: to head area and foot well

Cooling

Press $\odot$ to switch on cooling. The LED in the button illuminates to indicate activation. Cooling is only functional when the engine is running and climate control fan is switched on.

Press $\odot$ again to switch off cooling.

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

Return to Automatic air distribution: press AUTO.
If no cooling or drying is required, switch off the cooling system for fuel saving reasons.

When the cooling system is switched off, no engine restart will be requested by the climate control system during an Autostop.

Exception: defrost system is activated and outside temperature above 0 °C requests a restart.

Stop-start system ◊ 136.

The status of cooling operation is indicated in the Info Display.

Activation or deactivation of cooling operation after engine start can be changed in the Info Display.

Vehicle personalisation ◊ 106.

Air recirculation mode

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

Press ◊ again to deactivate air recirculation mode.

⚠️ Warning

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling, the air humidity increases, so the windows may mist up from inside.

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

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

Basic settings

Some settings can be changed in the Info Display.

Vehicle personalisation ◊ 106.
Air vents

Adjustable air vents
At least one air vent must be open while the cooling is on.

Adjust the air amount at the vent outlet by turning the adjuster wheel. The vent is closed when the adjuster wheel is turned close to the left or right.

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

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

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

Maintenance

Air intake
The air intake in front of the windscreen in the engine compartment must be kept clear to allow air intake. Remove any leaves, dirt or snow.
Air conditioning regular operation
In order to ensure continuously efficient performance, cooling must be operated for a few minutes once a month, irrespective of the weather and time of year. Operation with cooling is not possible when the outside temperature is too low.

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

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

Note
Refrigerant R-134a contains fluorinated greenhouse gases.
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.

All systems function during an Autostop.

Stop-start system 3 136.

Idle boost

If charging of the vehicle battery is required due to battery condition, the power output of the generator must be increased. This will be achieved by an idle boost which may be audible.

A message appears in the Driver Information Centre.

Pedals

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

Use only floor mats, which fit properly and are fixed by the retainers on the driver side.

Driving downhill

Engage a gear when driving downhill to ensure that sufficient brake pressure is available.

Starting and operating

New vehicle running-in

Do not brake unnecessarily hard for the first few journeys.

During the first drive, smoke may occur because of wax and oil evaporating off the exhaust system.

Park the vehicle in the open for a while after the first drive and avoid inhaling the fumes.

During the running-in period, fuel and engine oil consumption may be higher.

Additionally, the cleaning process of the exhaust filter may take place more often.

Exhaust filter 3 140.

Autostop may be inhibited to allow for charging of the vehicle battery.

Ignition switch positions

Turn key:
0 : ignition off: Some functions remain active until key is removed or driver's door is opened, provided the ignition was on previously.
1 : accessory power mode: Steering wheel lock released, some electrical functions are operable, ignition is off.
2 : ignition on power mode: Ignition is on. Control indicators illuminate and most electrical functions are operable. Diesel engine is preheating.
3 : engine start: Release key after starting procedure begins.

**Steering wheel lock**
Remove key from ignition switch and turn steering wheel until it engages.

**Retained power off**
The following electronic systems are operable until the driver's door is opened or at the latest for 10 minutes after the ignition is switched off:
- power windows
- power outlets
- power sunroof

**Starting the engine**

Turn key to position 1 to release the steering wheel lock.
Manual transmission: operate clutch and brake pedal.
Manual transmission automated: operate brake pedal.
Automatic transmission: operate brake pedal and move selector lever to P or N.
Do not operate the accelerator pedal.
Diesel engine: turn the key to position 2 for preheating until control indicator ! extinguishes.
Turn key briefly to position 3 and release: an automatic procedure operates the starter after a brief delay, until the engine is running. See 'Automatic Starter Control'.
Before restarting or to switch off the engine, turn the key back to position 0.
During an Autostop, the engine can be started by depressing the clutch pedal.
Starting the vehicle at low temperatures

Diesel engines
The start of the engine without additional heaters is possible down to -25 °C.

Petrol engines
The start of the engine without additional heaters is possible down to -30 °C.

Required is an engine oil with the correct viscosity, the correct fuel, performed services and a sufficiently charged vehicle battery.

With temperatures below -30 °C, the automatic transmission requires a warming phase of approx. 5 minutes. The selector lever must be in position P.

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

Possible reasons for a non-starting engine:
- clutch pedal not operated (manual transmission)
- brake pedal not operated or selector lever not in P or N (automatic transmission)
- timeout occurred

Turbo engine warm-up
Upon start-up, engine available torque may be limited for a short time, especially when the engine temperature is cold. The limitation is to allow the lubrication system to fully protect the engine.

Overrun cut-off
The fuel supply is automatically cut off during overrun, i.e. when the vehicle is driven with a gear engaged but accelerator is released.

Depending on driving conditions, the overrun cut-off may be deactivated.

Stop-start system
The stop-start system helps to save fuel and to reduce the exhaust emissions. When conditions allow, it switches off the engine as soon as the vehicle is at a low speed or at a standstill, e.g. at a traffic light or in a traffic jam.

On vehicles with manual transmission, the engine is started automatically as soon as the clutch is depressed.

On vehicles with manual transmission automated, the engine is started automatically as soon as the brake pedal is released.

Activation
The stop-start system is available as soon as the engine is started, the vehicle starts-off and the conditions as stated below in this section are fulfilled.
Deactivation

Deactivate the stop-start system manually by pressing eco. The deactivation is indicated when the LED in the button extinguishes.

Autostop

Vehicles with manual transmission
If the vehicle is at a low speed or at a standstill, activate an Autostop as follows:
- Depress the clutch pedal.
- Set the lever in neutral.
- Release the clutch pedal.

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

Vehicles with manual transmission automated
If the vehicle is at a standstill with the brake pedal depressed, Autostop is activated automatically.
The engine will be switched off while the ignition stays on.
The stop-start system will be disabled on inclines of 12% or more.

Indication

An Autostop is indicated by control indicator (∨).
During an Autostop, the heating and brake performance will be maintained.

Conditions for an Autostop
The stop-start system checks if each of the following conditions is fulfilled:
- The stop-start system is not manually deactivated.
- The bonnet is fully closed.
- The driver's door is closed or the driver's seat belt is fastened.
- The vehicle battery is sufficiently charged and in good condition.
- The engine is warmed-up.
- The engine coolant temperature is not too high.
- The engine exhaust temperature is not too high, e.g. after driving with high engine load.
- The ambient temperature is above -5 °C.
- The climate control system allows an Autostop.
- The brake vacuum is sufficient.
- The self-cleaning function of the exhaust filter is not active.
- The vehicle was driven at least at walking speed since the last Autostop.
Otherwise an Autostop will be inhibited.

Certain settings of the climate control system may inhibit an Autostop. See 'Climate control' chapter for further information 126.

Immediately after motorway driving an Autostop may be inhibited.

New vehicle running-in 134.

**Vehicle battery discharge protection**
To ensure reliable engine restarts, several vehicle battery discharge protection features are implemented as part of the stop-start system.

**Power saving measures**
During an Autostop, several electrical features, e.g. the rear window heating, are disabled or switched into a power saving mode. The fan speed of the climate control system is reduced to save power.

**Restart of the engine by the driver**

**Vehicles with manual transmission**
Depress the clutch pedal to restart the engine.

**Vehicles with manual transmission automated**
Release the brake pedal or move selector lever out of D to restart the engine.

When the engine is restarted, control indicator in the Driver Information Centre extinguishes.

If one of the following conditions occurs during an Autostop, the engine will be restarted automatically by the stop-start system:

- The stop-start system is manually deactivated.
- The bonnet is opened.
- The driver's seat belt is unfastened and the driver's door is opened.
- The engine temperature is too low.
- The charging level of the vehicle battery is below a defined level.
- The brake vacuum is not sufficient.
- The vehicle is driven at least at walking speed.
- The climate control system requests an engine start.
- The air conditioning is manually switched on.

If the bonnet is not fully closed, a warning message is displayed in the Driver Information Centre.

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

⚠️ Warning

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply the parking brake. Activate the manual parking brake without pressing the release button. Apply as firmly as possible on a downhill slope or uphill slope. Depress brake pedal at the same time to reduce operating force.
- Switch off the engine.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to position P before removing the ignition key. On an uphill slope, turn the front wheels away from the kerb.
- If the vehicle is on a downhill slope, engage reverse gear or set the selector lever to position P before removing the ignition key. Turn the front wheels towards the kerb.
- Close the windows and the sunroof.
- Remove the ignition key from the ignition switch. Turn the steering wheel until the steering wheel lock is felt to engage.

For vehicles with automatic transmission, the key can only be removed when the selector lever is in position P.

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

- Lock the vehicle.
- Activate the anti-theft alarm system.
- The engine cooling fans may run after the engine has been switched off ☢ 190.

Caution

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

Note

In the event of an accident with airbag deployment, the engine is switched off automatically if the vehicle comes to a standstill within a certain time.
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.

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**Exhaust filter**

**Automatic cleaning process**

The exhaust filter system filters harmful soot particles out of the exhaust gases. The system includes a self-cleaning function that runs automatically during driving without any notification. The filter is cleaned by periodically burning off the soot particles at high temperature. This process takes place automatically under set driving conditions and may take up to 25 minutes. Typically it needs between 7 and 12 minutes. Autostop is not available and fuel consumption may be higher during this period. The emission of smells and smoke during this process is normal.

**System requires manual cleaning process**

Under certain driving conditions, e.g. driving short distances, the system cannot clean itself automatically.

If cleaning of the filter is required and if previous driving conditions did not enable automatic cleaning, it will be indicated by illumination of ⚠️ and a warning message in the Driver Information Centre.

⚠️ illuminates along with a warning message when exhaust filter is full. Start cleaning process as soon as possible.

⚠️ flashes along with a warning message when exhaust filter has reached the maximum filling level. Start cleaning process immediately to avoid damage to the engine.

**Activate manual cleaning process**

To activate cleaning process, continue driving, keep engine speed above 2000 rpm. Shift down if necessary. Exhaust filter cleaning is then started.

Cleaning takes place quickest at high engine speeds and loads.

Control indicator ⚠️ extinguishes as soon as the self-cleaning operation is complete. Keep on driving until self-cleaning operation is complete.
Driving and operating

Caution
If possible, do not interrupt cleaning process. Drive until cleaning is completed to avoid the need for service or repair by a workshop.

Cleaning process not possible
If cleaning is not possible for any reasons, control indicator illuminates. Engine power may be reduced. Seek the assistance of a workshop immediately.

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

Caution
Fuel grades other than those listed on pages 177, 242 could damage the catalytic converter or electronic components. Unburnt petrol will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

In the event of misfiring, uneven engine running, a reduction in engine performance or other unusual problems, have the cause of the fault rectified by a workshop as soon as possible. In an emergency, driving can be continued for a short period, keeping vehicle speed and engine speed low.

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

Manual shifting is possible in manual mode by pressing + or – on the selector lever 143.

Transmission display

The mode or selected gear is shown in the Driver Information Centre.

In automatic mode, the driving programme is indicated by D.
In manual mode, M and the number of the selected gear is indicated. R indicates reverse gear. N indicates neutral position. P indicates park position.

**Selector lever**

P: park position, wheels are locked, engage only when the vehicle is stationary and the parking brake is applied
R: reverse gear, engage only when the vehicle is stationary
N: neutral
D: automatic shift mode

M: manual shift mode
+: push to upshift in manual mode
-: push to downshift in manual mode

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

Without brake pedal applied, control indicator (©) illuminates.
If the selector lever is not in P when the ignition is switched off, control indicator (©) flashes.
To engage P, R or M, press the release button.

The engine can only be started with the lever in position P or N. When position N is selected, press the brake pedal or apply the parking brake before starting.
Do not accelerate while engaging a gear. Never depress the accelerator pedal and brake pedal at the same time.
When a gear is engaged, the vehicle slowly begins to creep when the brake is released.

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

**Rocking the vehicle**
Rocking the vehicle is only permissible if the vehicle is stuck in sand, mud or snow. Move the selector lever between D and R in a repeat pattern. Do not race the engine and avoid sudden acceleration.
Parking

Apply the parking brake and engage P.
The ignition key can only be removed when the selector lever is in position P.

Manual mode

Move selector lever to position M.
Press + on the selector lever to shift to a higher gear.
Press – on the selector lever to shift to a lower gear.

If a higher gear is selected when vehicle speed is too low, or a lower gear when vehicle speed is too high, the shift is not executed. This can cause a message in the Driver Information Centre.

In manual mode, no automatic shifting to a higher gear takes place at high engine revolutions.

Gear shift indication

The symbol ▲ with a number beside it is indicated when gearshifting is recommended for fuel saving reasons.

Shift indication appears only in manual mode.

Electronic driving programmes

- Following a cold start, the operating temperature programme increases engine speed to quickly bring the catalytic converter to the required temperature.

- The automatic neutral shift function automatically shifts to idling when the vehicle is stopped with a forward gear engaged and the brake pedal is pressed.

- Special programmes automatically adapt the shifting points when driving up inclines or down hills.

- When starting off in snowy or icy conditions or on other slippery surfaces, the electronic transmission control selects a higher gear automatically.

Kickdown

Pressing down the accelerator pedal beyond the kickdown detent will lead to maximum acceleration independent of selected driving mode. The transmission shifts to a lower gear depending on engine speed.
Fault
In the event of a fault, control indicator \( \rightarrow \) illuminates. Additionally, a message is displayed in the Driver Information Centre.
Vehicle messages \( \Rightarrow \) 103.
The transmission no longer shifts automatically. Continued travel is possible with manual shifting.
Only the highest gear is available. Depending on the fault, second gear may also be available in manual mode. Shift only when the vehicle is at a standstill.
Have the cause of the fault remedied by a workshop.

Interruption of power supply
In the event of an interruption of power supply, the selector lever cannot be moved out of the \( P \) position. The ignition key cannot be removed from the ignition switch.
If the vehicle battery is discharged, start the vehicle using jump leads \( \Rightarrow \) 227.

If the vehicle battery is not the cause of the fault, release the selector lever.
1. Apply the parking brake.

2. Release the selector lever trim from the centre console; Poke with a finger into the leather socket in front of the selector lever and push the trim upwards at the front rim from below, as shown in the illustration. Rotate trim to the left.

3. Push down the release lever and move the selector lever out of \( P \) or \( N \). If these positions are 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 the selector lever trim onto the centre console and refit.
Manual transmission

To engage reverse, depress the clutch pedal and then press the release button on the selector lever and engage the gear.

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

Do not slip the clutch unnecessarily.

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

Caution

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

Gear shift indication 93.

Stop-start system 136.

Manual transmission automated

The manual transmission automated permits manual gearshifting (manual mode) or automatic gearshifting (automatic mode), both with automatic clutch control.

Manual shifting is possible by tapping the selector lever in manual mode.

Note

When unlocking or opening a vehicle door, a sound may be audible caused by the hydraulic system.
Transmission display

In automatic mode, the driving programme is indicated by D in the Driver Information Centre.

In manual mode, M and the number of the selected gear is indicated.

R indicates reverse gear.

N indicates neutral.

Starting the engine

To start the engine, depress the brake pedal, if transmission is not in position N.

Transmission automatically shifts to N upon starting. There may be a slight delay.

Starting is not possible if all brake lights fail.

Stop-start-system

Autostop

If the vehicle is at a standstill and brake pedal is operated, Autostop is activated automatically.

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

An Autostop is indicated by control indicator A.

Autostart

Release the brake pedal or move selector lever out of D to restart the engine.

When the engine is restarted, control indicator A extinguishes in the Driver Information Centre.

The stop-start system will be disabled on inclines of 15% or more.

Stop-start-system 136.

Selector lever

Always move the selector lever in the appropriate direction as far as it will go. Upon release, it automatically returns to the centre position.
**Note**
Do not hold the selector lever in an intermediate position. Not fully engaging a gear may lead to malfunction and the error code 81 may be displayed in the Driver Information Centre.

Return the selector lever to the centre position. After a short while N will be displayed in the Driver Information Centre and the system will operate normally again.

Vehicle messages 103.

- **N**: neutral position
- **D/M**: switch between automatic (D) and manual (M) shift mode.
  The transmission display shows either D or M with the selected gear
- **+**: upshifting in manual mode
- **−**: downshifting in manual mode
- **R**: reverse gear. Engage only when vehicle is stationary

If selector lever is moved from R to the left, D is directly engaged.

If selector lever is moved from D to + or −, manual mode M is selected and the transmission shifts.

---

### Starting off

Depress the brake pedal and move the selector lever to D/M or R. If D is selected, transmission is in automatic mode and first gear is engaged. If R is selected, reverse gear is engaged.

The vehicle starts to move when the brake pedal is released.

To start-off without depressing the brake pedal, accelerate immediately after engaging a gear as long as D or R flashes.

If neither the accelerator nor the brake pedal are depressed, no gear is engaged and D or R flashes for a brief time in the display.

### Stopping the vehicle

In D, first gear is engaged and the clutch is released when the vehicle is stopped. In R, reverse gear remains engaged.

---

### Engine braking

#### Automatic mode

When driving downhill, the manual transmission automated does not shift into higher gears until a fairly high engine speed has been reached. It shifts down in good time when braking.

#### Manual mode

To utilise the engine braking effect, select a lower gear in good time when driving downhill. Changing into manual mode is only possible while the engine is running or during an Autostop.

### Rocking the vehicle

Rocking the vehicle is only permissible if the vehicle is stuck in sand, mud or snow. Move the selector lever between R and D in a repeat pattern. Do not race the engine and avoid sudden acceleration.
Driving and operating

Parking
The most recently engaged gear (see transmission display) remains engaged when switching off ignition. With N, no gear is engaged. Therefore always apply the parking brake when switching off ignition. If parking brake is not applied, P flashes in the transmission display and the key cannot be removed from the ignition switch. P stops flashing in the transmission display as soon as the parking brake is slightly applied.
When the ignition is switched off, the transmission no longer responds to movement of the selector lever.

Tyre pressure monitoring system
To start the sensor matching process of the tyre pressure monitoring system, the selector lever must be moved and held in position N for 5 seconds. P illuminates in the transmission display to indicate that the sensor matching process can be started.

Tyre pressure monitoring system

Manual mode
If a higher gear is selected when the engine speed is too low, or a lower gear when the speed is too high, the shift is not executed. This prevents the engine from running at too low or too high an engine speed. A warning message is displayed in the Driver Information Centre.
Vehicle messages ◊ 103.
If engine speed is too low, the transmission automatically shifts to a lower gear.
If engine speed is too high, the transmission only switches to a higher gear via kickdown.
When + or - is selected in automatic mode, the transmission switches to manual mode and shifts accordingly.

Gear shift indication
The symbol ▲ with a number alongside it, is indicated when gearshifting is recommended for fuel saving reasons.
Shift indication appears only in manual mode.

Electronic driving programmes
• Following a cold start, the operating temperature programme increases engine speed to quickly bring the catalytic converter to the required temperature.
• The adaptive programme tailors gearshifting to the driving conditions, e.g. greater load or gradients.

Kickdown
If the accelerator pedal is pressed down completely in automatic mode, the transmission shifts to a lower gear depending on engine speed.

Fault
To prevent damage to the manual transmission automated, the clutch is engaged automatically at high clutch temperatures.
In the event of a fault, control indicator \( \Rightarrow \) illuminates. Additionally, a warning message is displayed in the Driver Information Centre.

Vehicle messages \( \Rightarrow 103 \).

Continued driving is restricted or not possible, depending on the fault. Have the cause of the fault remedied by a workshop.

### Brakes

The brake system comprises two independent brake circuits.

If a brake circuit fails, the vehicle can still be braked using the other brake circuit. However, braking effect is achieved only when the brake pedal is depressed firmly. Considerably more force is needed for this. The braking distance is extended. Seek the assistance of a workshop before continuing the journey.

When the engine is not running, the support of the brake servo unit disappears once the brake pedal has been depressed once or twice. Braking effect is not reduced, but braking requires significantly greater force. It is especially important to bear this in mind when being towed.

Control indicator \( \odot \) \( \Rightarrow 93 \).

### Antilock brake system

Antilock brake system (ABS) prevents the wheels from locking.

ABS starts to regulate brake pressure as soon as a wheel shows a tendency to lock. The vehicle remains steerable, even during hard braking.

ABS control is made apparent through a pulse in the brake pedal and the noise of the regulation process.

For optimum braking, keep the brake pedal fully depressed throughout the braking process, despite the fact that the pedal is pulsating. Do not reduce the pressure on the pedal.

After starting-off the system performs a self-test which may be audible.

Control indicator \( \odot \) \( \Rightarrow 93 \).

### Adaptive brake light

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

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

⚠️ Warning

Always apply parking brake firmly without operating the release button, and apply as firmly as possible on a downhill or uphill slope.

To release the parking brake, pull the lever up slightly, press the release button and fully lower the lever.

To reduce the operating forces of the parking brake, depress the brake pedal at the same time.

Control indicator ⌚️ 93.

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 prevent unintended movement when driving away on inclines.

When releasing the brake pedal after stopping on an incline, the brakes remain on for a further 2 seconds. The brakes release automatically as soon as the vehicle begins to accelerate or the 2 seconds holding time is over.
The hill start assist is not active during an Autostop.

Ride control systems

Traction Control system

The Traction Control system (TC) is a component of the Electronic Stability Control (ESC).

TC improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the drive wheels from spinning.

As soon as the drive wheels start to spin, engine output is reduced and the wheel spinning the most is braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

TC is operational after each engine start as soon as the control indicator \( \& \) extinguishes.

When TC operates \( \& \) flashes.

⚠️ Warning

Do not let this special safety feature tempt you into taking risks when driving.
Adapt speed to the road conditions.

Deactivation

TC can be switched off when spinning of drive wheels is required: press \( \& \) briefly.
A status message appears in the Driver Information Centre when TC is deactivated.
Driving and operating

Control indicator \( \text{TC} \) illuminates.

When TC is deactivated, ESC remains active but with higher control threshold.

TC is reactivated by pressing \( \text{TC} \) again. A status message pops-up in the Driver Information Centre when TC is reactivated.

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

Fault

If there is a fault in the system the control indicator \( \text{TC} \) illuminates continuously and a message or a warning code appears in the Driver Information Centre. The system is not operational.

Have the cause of the fault remedied by a workshop.

Electronic Stability Control

Electronic Stability Control (ESC) improves driving stability when necessary, regardless of the type of road surface or tyre grip.

As soon as the vehicle starts to swerve (understeer/oversteer), engine output is reduced and the wheels are braked individually.

ESC operates in combination with the Traction Control system (TC). It prevents the drive wheels from spinning.

ESC is operational after each engine start as soon as the control indicator \( \text{TC} \) extinguishes.

When ESC operates \( \text{TC} \) flashes.

Deactivation

ESC and TC can be deactivated:

- press and hold \( \text{TC} \) for a minimum of 5 seconds: ESC and TC are both deactivated. \( \text{TC} \) and \( \text{TC} \)

### Warning

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

Adapt speed to the road conditions.

Control indicator \( \text{TC} \) \( \text{TC} \) 94.
illuminated and status messages appear in the Driver Information Centre.

- To deactivate only Traction control system, press \( \text{TC} \) briefly: TC is inactive but ESC remains active with higher control threshold, \( \text{ESC} \) illuminates. A status message appears in the Driver Information Centre when TC is deactivated.

ESC is reactivated by pressing the \( \text{ESC} \) button again. If the TC system was previously disabled, both TC and ESC are reactivated. \( \text{TC} \) and \( \text{ESC} \) extinguish when TC and ESC are reactivated.

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

 Fault

If there is a fault in the system, the control indicator \( \text{TC} \) illuminates continuously and a message or a warning code appears in the Driver Information Centre. The system is not operational.

Have the cause of the fault remedied by a workshop.

 City mode

City mode is a feature which enables increased steering assistance during lower speed conditions, e.g. city traffic or parking. Steering assistance is increased for greater convenience.

 Activation

Press \( \text{CITY} \) when engine is running. The system works from standstill up to 35 km/h, and in reverse gear. Above this speed, the system changes to normal mode. When activated, City mode engages automatically below 35 km/h.

An illuminated LED in the City mode button indicates that the system is active.

Additionally, a message pops-up in the Driver Information Centre.

City mode remains active during an Autostop, but is only operational when the engine is running.
Driving and operating

Stop-start system  136.

Deactivation
Press $B$. The LED in the button extinguishes. Additionally, a message pops-up in the Driver Information Centre. Each time the engine is started, City mode is deactivated.

Fault

In the event of a fault in the system, control indicator $c$ illuminates. Additionally, a message pops-up in the Driver Information Centre. Vehicle messages  103.

System calibration
If control indicators $c$ and $b$ illuminate simultaneously, a calibration of the power steering system is necessary. This can occur e.g. when turning the steering wheel for one rotation with ignition switched off. In this case, switch on ignition and turn steering wheel once from lock to lock. If control indicators $c$ and $b$ do not extinguish after calibration, seek the assistance of a workshop.

Driver assistance systems

⚠️ Warning

Driver assistance systems are developed to support the driver and not to replace the driver's attention. The driver accepts full responsibility when driving the vehicle. When using driver assistance systems, always take care regarding the current traffic situation.

Cruise control
The cruise control can store and maintain speeds of approx. 30 km/h to maximum vehicle speed. Deviations from the stored speeds may occur when driving uphill or downhill.
For safety reasons, the cruise control cannot be activated until the brake pedal has been operated once. Activating in first gear is not possible.

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

On vehicles with automatic transmission or manual transmission automated cruise control can be activated in automatic mode and manual mode.

Control indicator  96.

Switching on the system

Press ; control indicator in instrument cluster illuminates white.

Activation of the functionality

Accelerate to the desired speed and turn thumb wheel to SET/-, the current speed is stored and maintained. Control indicator in instrument cluster illuminates green. Set speed is indicated on the display. Accelerator pedal can be released.

Vehicle speed can be increased by depressing the accelerator pedal. When the accelerator pedal is released, the previously stored speed is resumed.

Cruise control remains activated while gearshifting.

Increase speed

With cruise control active, hold thumb wheel turned to RES/+ or briefly turn to RES/+ repeatedly: speed increases continuously or in small increments.

Alternatively accelerate to the desired speed and store by turning to SET/-.

Reduce speed

With cruise control active, hold thumb wheel turned to SET/- or briefly turn to SET/- repeatedly: speed decreases continuously or in small increments.
Deactivation of the functionality

Press \( \text{Deactivation of the functionality} \); control indicator \( \text{Deactivation of the functionality} \) in instrument cluster illuminates white. Cruise control is deactivated. Last stored speed remains in memory for later speed resume.

Automatic deactivation:
- Vehicle speed is below approx. 30 km/h.
- Vehicle speed drops more than 25 km/h below the set speed.
- The brake pedal is depressed.
- The clutch pedal is depressed for a few seconds.
- The selector lever is in \( \text{Neutral (N)} \).
- Engine speed is in a very low range.
- The Traction Control system or Electronic Stability Control is operating.
- Parking brake is applied.
- Simultaneous pressing \( \text{Deactivation of the functionality} \) and brake pedal deactivates cruise control and will delete stored speed.

Resume stored speed

Turn thumb wheel to \( \text{Resume stored speed} \) at a speed above 30 km/h. The stored speed will be obtained.

Switching off the system

Press \( \text{Switching off the system} \), control indicator \( \text{Switching off the system} \) in instrument cluster extinguishes. The stored speed is deleted.

Pressing \( \text{Activation of the functionality} \) to activate the speed limiter or switching off the ignition also switches off cruise control and deletes the stored speed.

Speed limiter

The speed limiter prevents the vehicle exceeding a preset maximum speed.

The maximum speed can be set at speeds above 25 km/h up to 200 km/h.

The driver can only accelerate up to the preset speed. Deviations from the limited speed may occur when driving downhill.

The preset speed limit is displayed in the Driver Information Centre when the system is active.

Activation of the functionality

Press \( \text{Activation of the functionality} \). If cruise control has been activated before, it is switched off when speed limiter is activated and the control indicator \( \) extinguishes.

Set speed limit

Accelerate to the desired speed and briefly turn thumb wheel to \( \text{Set speed limit} \): the current speed is stored as maximum speed. Speed limit is displayed in the Driver Information Centre.
Change speed limit

With speed limiter active, turn thumb wheel to RES/+ to increase or SET/- to decrease the desired maximum speed.

Exceeding the speed limit

When exceeding the limited speed without driver input, the speed will flash in the Driver Information Centre and a chime sounds during this period.

In the event of an emergency, it is possible to exceed the speed limit by depressing the accelerator pedal firmly nearly to the final point. In this case no chime appears.

Release the accelerator pedal and the speed limiter function is reactivated once a speed lower than the limit speed is obtained.

Deactivation of the functionality

Press \( \text{ } \): speed limiter is deactivated and the vehicle can be driven without speed limit.

The stored limited speed is indicated in brackets in the Driver Information Centre. Additionally, a corresponding message appears.

Resume limit speed

Turn thumb wheel to RES/+. The stored speed limit will be obtained and is indicated without brackets in the Driver Information Centre.

Switching off the system

Press \( \text{ } \), the speed limit indication extinguishes in the Driver Information Centre. The stored speed is deleted.

By pressing \( \text{ } \) to activate cruise control, speed limiter is also deactivated and the stored speed is deleted.

By switching off the ignition, speed limiter is also deactivated, but the speed limit will be stored for next speed limiter activation.

Forward collision alert

The forward collision alert can help to avoid or reduce the harm caused by front-end crashes.

Forward collision alert uses the front camera system in the windscreen to detect a vehicle directly ahead, in your path, within a distance of approx. 60 m.

A vehicle ahead is indicated by control indicator \( \text{ } \).
If a vehicle directly ahead is approached too quickly, a warning chime and alert in the Driver Information Centre is provided. Additionally the driver gets notified by a flashing red LED stripe which is projected on the windscreen in the driver’s field of view. A precondition is that forward collision alert is not deactivated by pressing $V$.

**Activation**
Forward collision alert operates automatically above 40 km/h, if it is not deactivated by pressing $V$, see below.

**Selecting the alert sensitivity**
The alert sensitivity can be set to near, medium or far.

Press $\Rightarrow$, the current setting is shown on the Driver Information Centre. Press $\Rightarrow$ repeatedly to change the alert sensitivity. The selected setting is also displayed in the Driver Information Centre.

**Alerting the driver**
The vehicle ahead control indicator $\Rightarrow$ illuminates green in the instrument cluster when the system has detected a vehicle in the driving path.

**Caution**
The colour lighting of this control indicator does not correspond to local traffic laws on following distance. The driver bears full responsibility for maintaining safe following distance according to...
Driving and operating

applicable traffic rules, weather and road conditions etc. at all times.

When the time to a potential collision with a vehicle in front gets too small and a collision is imminent, the collision alert symbol pops-up in the Driver Information Centre and the driver gets notified by a flashing red LED stripe which is projected on the windscreen in the driver's field of view.

Simultaneously a warning chime sounds. Depress the brake pedal and steer the vehicle, if it is required by the situation.

Deactivation
The system can be deactivated. Press repeatedly until the following message appears in the Driver Information Centre.

If the forward collision alert was deactivated, alert sensitivity is set to "medium" when ignition is switched on next time. The settings "near", "medium" or "far" will be stored when the ignition is switched off.

General information

⚠️ Warning
Forward collision alert is just a warning system and does not apply the brakes. When
approaching a vehicle ahead too rapidly, it may not provide you enough time to avoid a collision. The driver accepts full responsibility for the appropriate following distance based on traffic, weather and visibility conditions. The complete attention of the driver is always required while driving. The driver must always be ready to take action and apply the brakes.

System limitations
The system is designed to warn of vehicles only, but may react also to other objects.
In the following cases, forward collision alert may not detect a vehicle ahead or sensor performance is limited:

- on winding roads
- when weather limits visibility, e.g. fog, rain, or snow
- when the sensor is blocked by snow, ice, slush, mud, dirt, windscreen damage or affected by foreign items, e.g. stickers

Following distance indication
The following distance indication displays the distance to a preceding moving vehicle. The front camera in the windscreen is used to detect the distance of a vehicle directly ahead in the vehicle’s path. It is active at speeds above 40 km/h.

When a preceding vehicle is detected ahead, the distance is indicated in seconds, displayed on a page in the Driver Information Centre. Press MENU on the stalk to select and turn the adjuster wheel to choose following distance indication page.

The minimum indicated distance is 0.5 seconds.
If there is no vehicle ahead or the vehicle ahead is out of range, two dashes will be displayed: -.- sec.

Parking assist
General information
When the trailer hitch is attached, change the configuration settings in the vehicle personalisation menu in the Info Display.
Vehicle personalisation ☰ 106.
When attaching a trailer or bike carrier to the trailer hitch, the parking assist is deactivated.
Rear parking assist

⚠️ Warning

It is the driver who bears full responsibility for the parking manoeuvre.
Always check the surrounding area while reversing and using the rear parking assist system.

The rear parking assist makes parking easier by measuring the distance between the vehicle and rear obstacles. It informs and warns the driver via acoustic signals and display indication.

The system has four ultrasonic parking sensors in the rear bumper.

Activation
When reverse gear is engaged, the system is ready to operate automatically.
An illuminated LED in the parking assist button \( \text{P} \ △ \) indicates that the system is ready to operate.

Indication
The system warns the driver with acoustic signals against potentially hazardous obstacles behind the vehicle in a distance range up to 1.5 m. The interval between the sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than approx. 30 cm, the sound is continuous.
Additionally, the distance to rear obstacles is displayed by changing distance lines in the Driver Information Centre with Uplevel display \( \text{P} \ △ \) 97 or, depending on the version, on the Colour Info Display \( \text{P} \ △ \) 101.

The distance indication can be inhibited by vehicle messages with a higher priority. After approving the message by pressing SET/CLR on the stalk, distance indication appears again.

Deactivation

The system automatically switches off when reverse gear is disengaged.
Manual deactivation is also possible by pressing the parking assist button \( \text{P} \ △ \).
In both cases, the LED in the button extinguishes.
Fault
In the event of a fault or if the system does not work temporarily, e.g. because of high external noise level or other interference factors, the LED in the button flashes for 3 seconds then extinguishes. Control indicator P’ll illuminates in the instrument cluster 94 or a message is indicated in the Driver Information Centre.

Front-rear parking assist

⚠️ Warning
The driver bears full responsibility for the parking manoeuvre.
Always check the surrounding area when driving backwards or forwards while using parking assist system.

The front-rear parking assist measures the distance between the vehicle and obstacles in front and behind the vehicle. It informs and warns the driver via acoustic signals and display indication.

It uses two different acoustic warning signals for the front and rear monitoring areas, each with a different tone frequency.

The system has four ultrasonic parking sensors each in the rear and front bumper.

Activation
When reverse gear is engaged, the front and rear parking assist is ready to operate.
The system is also activated automatically at a speed up to 11 km/h.

Indication
The system warns the driver with acoustic signals against potentially hazardous obstacles in front of the vehicle in a distance range up to 80 cm and against potentially

An illuminated LED in the parking assist button P’ll indicates that the system is ready to operate.
If P’ll is switched off within an ignition cycle, the front parking assist is deactivated. If vehicle speed has exceeded 25 km/h beforehand, parking assist will be reactivated when speed drops below 11 km/h.
hazardous obstacles behind the vehicle in a distance range up to 1.5 m.

Depending on which side of the vehicle is closer to an obstacle, you will hear acoustic warning signals in the vehicle on the respective side. The interval between the sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than approx. 30 cm, the sound is continuous.

Additionally, the distance to rear and front obstacles is displayed by changing distance lines in the Driver Information Centre with Uplevel display 97 or, depending on the version, on the Colour Info Display 101.

The distance indication can be inhibited by vehicle messages with a higher priority. After dismissing the message, distance indication appears again.

The distance to obstacles is shown on the Colour Info Display by coloured zones in front of or behind the vehicle 101.

**Deactivation**

The rear parking assist automatically switches off when reverse gear is disengaged.

The front parking assist is deactivated automatically at a speed above 11 km/h.

Manual deactivation is also possible by pressing the parking assist button P/A.
When the system is deactivated, the LED in the button extinguishes and, if manually deactivated, Park Assist Off pops-up in the Driver Information Centre.

After a manual deactivation, the front-rear parking assist is activated again if P is pressed or if reverse gear is engaged.

The complete system can be manually deactivated in the vehicle personalisation menu in the Info Display. It remains deactivated during the ignition cycle or until activation in personalisation menu again.

Vehicle personalisation 106.

Fault
In the event of a fault or if the system does not work temporarily, e.g. because of high external noise level or other interference factors, a message pops-up in the Driver Information Centre.

Vehicle messages 103.

Advanced parking assist

⚠️ Warning

- The driver bears full responsibility for accepting the parking slot suggested by the system and the parking manoeuvre.
- Always check the surrounding area in all directions when using the advanced parking assist.

The advanced parking assist measures a suitable parking slot while passing, calculates the trajectory and automatically steers the vehicle into a parallel or perpendicular parking slot.

Instructions are given in the Driver Information Centre 97 or, depending on the version, on the Colour Info Display 101, supported by acoustic signals.

- The driver must control acceleration, braking and gear shifting, while steering is done automatically.

Advanced parking assist is always combined with front-rear parking assist. Both systems use the same sensors in the front and rear bumper.

Parking assist button  and operation logic

Advanced parking assist and front-rear parking assist both use the same button for activation and deactivation:

- A brief press of activates or deactivates the parking assist.
- A long press of (approx. 1 second) activates or deactivates the advanced parking assist, see separate description below.
Driving and operating

Button logic operates the systems by pressing $\textcolor{red}{\text{D}}$ as follows:

- If only front-rear parking assist is active, a brief press deactivates front-rear parking assist.
- If only front-rear parking assist is active, a long press activates advanced parking assist.
- If only advanced parking assist is active and the system is in parking slot searching mode, a brief press activates front-rear parking assist.
- If only advanced parking assist is active and the system is in parking guiding mode, a brief press deactivates advanced parking assist.
- If advanced parking assist is active, a long press deactivates advanced parking assist and front-rear parking assist.
- If forward gear or neutral is selected, a brief press activates or deactivates front parking assist.
- If reverse gear is selected, a brief press activates or deactivates front and rear parking assist.

**Activation of front-rear parking assist**
When reverse gear is engaged, the front and rear parking assist is ready to operate.
The system is also activated automatically at a speed up to 11 km/h.

An illuminated LED in the parking assist button $\textcolor{red}{\text{D}}$ indicates that the system is ready to operate.
If $\textcolor{red}{\text{D}}$ is switched off within an ignition cycle, the front parking assist is deactivated. If vehicle speed has exceeded 25 km/h beforehand, parking assist will be reactivated when speed drops below 11 km/h.

**Indication**
The system warns the driver with acoustic signals against potentially hazardous obstacles behind the vehicle in a distance range up to 1.5 m and in front up to 80 cm.
Depending on which side of the vehicle is closer to an obstacle, you will hear acoustic warning signals in the vehicle on the respective side.
The interval between the sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than approx. 30 cm, the sound is continuous.
Additionally, the distance to rear and front obstacles is displayed by changing distance lines in the Driver
Driving and operating

The distance to rear and front obstacles is displayed by changing distance lines in the Driver Information Centre.

The distance indication can be inhibited by vehicle messages with a higher priority. After approving the message by pressing SET/CLR on the stalk, distance indication appears again.

When the system is deactivated manually, the LED in the button extinguishes and Park Assist Off pops-up in the Driver Information Centre.

After a manual deactivation, the front-rear parking assist is activated again if is pressed briefly or if reverse gear is engaged.

The complete system can be manually deactivated in the vehicle personalisation menu in the Info Display. It remains deactivated during the ignition cycle or until activation in personalisation menu again.

Vehicle personalisation.

Activation of advanced parking assist

Advanced parking assist can only be activated when driving forwards.
When searching for a parking slot, the system is ready to operate with a long press of $\text{Disp}$. The system recognises and memorises 10 m for parallel parking slots or 6 m for perpendicular parking slots in the parking assist mode. The system can only be activated at a speed up to 30 km/h and the system searches for a parking slot at a speed up to 30 km/h.

The maximum allowed parallel distance between the vehicle and a row of parked cars is 1.8 m for parallel parking and 2.5 m for perpendicular parking.

Functionality
Parking slot searching mode
Indication in the Driver Information Centre

Select parallel or perpendicular parking slot in Driver Information Centre by pressing SET/CLR. The system is configured to detect parking slots by default on the passenger side. To detect parking slots on the driver side, switch on turn light indicator on the driver side.

When a slot is detected, visual feedback in the Driver Information Centre and an acoustic signal is given.

Indication in the Colour Info Display
Select parallel or perpendicular parking slot by tapping the respective icon on the Info Display.
Select parking side by tapping the respective icon on the Info Display.

When a slot is detected, a visual feedback on the Colour Info Display and an acoustic signal is given.
If the driver does not stop the vehicle after a parking slot is proposed, the system starts to search for another suitable parking slot.

**Park guiding mode**
The parking slot suggestion of the system is accepted when the vehicle is stopped by the driver within 10 m for parallel parking slots or 6 m for perpendicular parking slots after the **Stop** message is given. The system calculates the optimal path into the parking slot.
A brief vibration in the steering wheel after engaging reverse gear indicates that the steering is controlled by the system. Then the vehicle is steered into the slot automatically by giving the driver detailed instructions for braking, accelerating and gear shifting. The driver must keep hands away from the steering wheel.

Always pay attention to the sound of the front-rear parking assist. Continuous sound indicates that the distance to an obstacle is less than approx. 30 cm.
If, for any reason, the driver must take over control of the steering, hold the steering wheel only at the outer edge. Automatic steering is cancelled in this event.

**Display indication**
The instructions on the display show:
- General hints and warning messages.
- A hint when driving faster than 30 km/h during parking slot searching mode, or 8 km/h in guiding mode.
- The demand to stop the vehicle, when a parking slot is detected.
- The direction of driving during the parking manoeuvre.
- The demand to shift into reverse or first gear.
Driving and operating

- The demand to accelerate or brake.
- For some of the instructions a progress bar is shown in the Driver Information Centre.
- The successful completion of the parking manoeuvre indicated by a pop-up symbol and a chime.
- The cancelling of a parking manoeuvre.

Display priorities
Advanced parking assist indication in the Driver Information Centre can be inhibited by vehicle messages with a higher priority. After approving the message by pressing SET/CLR on the stalk, advanced parking assist instructions appear again and the parking manoeuvre can be continued.

Deactivation of advanced parking assist
The system is deactivated by:
- a long press of D
- parking manoeuvre successfully ended
- driving faster than 30 km/h during parking slot search
- driving faster than 8 km/h during parking guidance
- driver interference on steering wheel detected
- exceeding number of maximum gear changes: eight cycles when parallel parking or five cycles when perpendicular parking
- switching off the ignition
Deactivation by the driver or by the system during manoeuvring will be indicated by Parking Deactivated on the display. Additionally, an acoustic signal sounds.

Fault
A message appears when:
- There is a fault in the system.
- The driver did not successfully complete the parking manoeuvre.
- The system is not operational.
- Any of the deactivation reasons described above apply.

If an object is detected during parking instructions, Stop is indicated on the display. Removing the object will resume the parking manoeuvre. If the object is not removed, the system will be deactivated. A long press of D will activate the system and search for a new parking slot.

Basic notes on parking assist systems

⚠️ Warning
Under certain circumstances, various reflective surfaces on objects or clothing as well as external noise sources may cause the system to fail to detect obstacles.
Special attention must be paid to low obstacles which can damage the lower part of the bumper.
### Caution

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

Performance of the parking assist system can be reduced due to heavy loading.

Special conditions apply if there are taller vehicles in the vicinity (e.g. off-road vehicles, mini vans, vans). Object identification and correct distance indication in the upper part of these vehicles cannot be guaranteed.

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

Parking assist systems do not detect objects outside the detection range.

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### Note

It is possible that the sensor detects a non-existing object caused by echo disturbance from external acoustic noise or mechanical misalignments (sporadic false warnings may occur).

Make sure that the front number plate is properly mounted (not bent and no gaps to the bumper on the left or right side) and the sensors are firmly in place.

Advanced parking assist system may not respond to changes in the available parking space after initiating a parking manoeuvre. The system may recognize an entry, a gateway, a courtyard or even a crossing as a parking slot. After selecting reverse gear the system will start a parking manoeuvre. Take care regarding the availability of the suggested parking slot.

Surface irregularities, e.g. on construction zones, are not detected by the system. The driver accepts responsibility.

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### Note

If engaging reverse for the first time, the parking assist will detect the rear carrier system and provide an acoustic signal. Press P\(\rightarrow\)D or \(\text{R} \rightarrow\)D briefly to deactivate the parking assist.

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### Note

After production, the system requires a calibration. For optimal parking guidance, a driving distance of at least 10 km, including a number of bends, is required.

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### Side blind spot alert

The Side blind spot alert system detects and reports objects on either side of the vehicle, within a specified "blind spot" zone. The system displays a visual alert in each exterior mirror, when detecting objects that may not be visible in the interior and exterior mirrors.

Side blind spot alert uses some of the advanced parking assist sensors which are located in the front and rear bumper on both sides of the vehicle.
⚠️ Warning

Side blind spot alert does not replace driver vision.

The system does not detect:

- vehicles outside the side blind zones which may be rapidly approaching
- pedestrians, cyclists or animals

Before changing a lane, always check all mirrors, look over the shoulder and use the turn light.

When the system detects a vehicle in the side blind zone while driving forward, either while passing a vehicle or being passed, a yellow warning symbol \( \text{a}\) will illuminate in the relevant exterior mirror. If the driver then activates the turn light, the warning symbol \( \text{a}\) starts flashing yellow as a warning not to change lanes.

Note

If the overtaking vehicle is at least 10 km/h faster than the vehicle being overtaken, the warning symbol \( \text{a}\) in the relevant exterior mirror may not illuminate.

When the vehicle is started, both exterior mirror displays will briefly illuminate to indicate that the system is operating.

The system can be activated or deactivated in the Info Display.

Vehicle personalisation 106.

Deactivation is indicated by a message in the Driver Information Centre.

Detection zones

The detection zones start at the rear bumper and extend approx. 3 m rearwards and to the sides. The height of the zone is approx. between 0.5 m and 2 m off the ground.

The system is deactivated if the vehicle is towing a trailer.

Side blind spot alert is designed to ignore stationary objects, e.g. guardrails, posts, curbs, walls and beams. Parked vehicles or oncoming vehicles are not detected.
Fault
Occasional missed alerts can occur under normal circumstances and will increase in wet conditions.
Side blind spot alert does not operate when the left or right corners of the rear bumper are covered with mud, dirt, snow, ice, slush, or in heavy rainstorms.
Cleaning instructions ∘ 231.
In the event of a fault in the system or if the system does not work due to temporary conditions, a message is displayed in the Driver Information Centre. Seek the assistance of a workshop.

Rear view camera
The rear view camera assists the driver when reversing by displaying a view of the area behind the vehicle.
The view of the camera is displayed in the Colour Info Display.

⚠️ Warning
The rear view camera does not replace driver vision. Note that objects that are outside the camera’s field of view and the parking assist sensors, e.g. below the bumper or underneath the vehicle, are not displayed.
Do not reverse or park the vehicle using only the rear view camera.
Always check the surrounding of the vehicle before driving.

Activation
Rear view camera is automatically activated when reverse gear is engaged.

Functionality
The camera is mounted between the number plate lights and has a viewing angle of 130°.
The area displayed by the camera is limited. The distance of the image that appears on the display differs from the actual distance.

**Warning symbols**
Warning symbols are indicated as triangles △on the picture, which show obstacles detected by the rear sensors of the parking assist. Additionally △appears on the top line of the Info Display with the warning to check the vehicle surrounding.

**Deactivation**
The camera is deactivated when a certain forward speed is exceeded or if reverse gear is not engaged for approx. 10 seconds. Rear view camera can be manually deactivated in the vehicle personalisation menu in the Info Display.

Vehicle personalisation ☞ 106.

**Deactivation of guiding lines and warning symbols**
Activation or deactivation of the visual guiding lines and the warning symbols can be changed by touch buttons in the lower zone of the display.

**Fault**
Fault messages are displayed with a △on the top line of the Info Display. The rear view camera may not operate properly when:
- The surrounding is dark.
- The sun or the beam of headlights is shining directly into the camera lens.
- Ice, snow, mud, or anything else covers the camera lens. Clean the lens, rinse it with water, and wipe it with a soft cloth.
- The vehicle is towing a trailer.
- The vehicle had a rear end accident.
- There are extreme temperature changes.

**Traffic sign assistant**

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

Traffic signs, which will be detected, are:

**Limit and no passing signs**
- speed limit
- no passing
- end of speed limit
- end of no passing
Road signs
Beginning and end of:
- city regions (country-specific)
- motorways
- A-roads
- play streets

Add-on signs
- additional hints to traffic signs
- restriction of trailer towing
- tractor constraints
- wet warning
- ice warning
- direction arrows

Speed limit signs and no passing signs are displayed in the Driver Information Centre until the next speed limit sign or end of speed limit is detected or up to a defined sign timeout.

Display indication
Information about the currently valid traffic signs is available on the designated traffic sign assistant page in the Driver Information Centre.
Additionally, the currently valid speed limit is displayed permanently in the lower line of the Driver Information Centre. In case a speed limit with add-on is available, a + symbol is displayed in this area.

Indication of multiple signs on the display is possible.

An exclamation mark in a frame indicates that there is an additional sign detected which cannot be clearly identified by the system.

The system operates without loss of performance up to a speed of 200 km/h depending on the lighting conditions. At night the system is active up to a speed of 160 km/h.
As soon as vehicle speed becomes slower than 55 km/h, the display will be reset and the content of the traffic sign page will be cleared, e.g. when entering a city zone. The next recognized speed indication will be displayed.

Choose via MENU and select traffic sign assistant page with the adjuster wheel on the stalk 97.
When another page on the Driver Information Centre menu was selected and then traffic sign assistant page is chosen again, the last recognised traffic sign will be displayed.

**Alert function**

The alert function can be activated or deactivated in the setting menu of the traffic sign assistant page.

Once activated and when the traffic sign detection page is currently not displayed, newly detected speed limit and no passing signs are displayed as pop-up alerts in the Driver Information Centre.

Select **Alerts ON** or **Alerts OFF** by turning the adjuster wheel and press SET/CLR.

Pop-up alert is displayed for approx. 8 seconds in the Driver Information Centre.

**System reset**

The content of the traffic sign memory can be cleared in the setting menu of the traffic sign assistant page by selecting **Reset** and confirm by pressing SET/CLR on the stalk.

Alternatively, SET/CLR can be pressed for 3 seconds to clear the content of the page.

Upon successful reset, a chime will sound and the following “Default Sign” is indicated until the next traffic sign is detected.
Driving and operating

In some cases, traffic sign assistant is cleared up automatically by the system.

Clearing of traffic signs
There are different scenarios that lead to clearing the currently displayed traffic signs. After clearing, the “Default Sign” is displayed in the Driver Information Centre.

Reasons for signs being cleared:
- A predefined distance was driven or time has elapsed (differs for each sign type)
- Vehicle drives through a turn
- The speed becomes slower than 52 km/h (city entry detection)

Fault
The traffic sign assistant system may not operate correctly if:
- The area of the windscreen, where the front camera is located, is not clean or affected by foreign items, e.g. stickers.
- Traffic signs are completely or partially covered or difficult to discern.
- There are adverse environmental conditions, e.g. heavy rain, snow, direct sunlight or shadows.
- Traffic signs are incorrectly mounted or damaged.
- Traffic signs do not comply with the Vienna Convention on Road Signs and Signals.

Caution
The system is intended to help the driver within a defined speed range to discern certain traffic signs. Do not ignore traffic signs which are not displayed by the system.

The system does not discern any other than the conventional traffic signs that might give or end a speed limit.

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

Always adapt speed to the road conditions.

The driver assistance systems do not relieve the driver from full responsibility for vehicle operation.

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

Criteria for the detection of an unintended lane change are:
- No operation of turn lights.
- No brake pedal operation.
- No active accelerator operation or speeding-up.
- No active steering.

If the driver is performing these actions, no warning will be issued.
**Activation**

The lane departure warning system is activated by pressing \( \text{button} \). The illuminated LED in the button indicates that the system is switched on. When control indicator \( \text{in the instrument cluster} \) illuminates green, the system is ready to operate.

The system is only operable at vehicle speeds above 56 km/h and if lane markings are available.

When the system recognises an unintended lane change, control indicator \( \text{changes to yellow and flashes. Simultaneously a chime sound is activated.} \)

**Deactivation**

The system is deactivated by pressing \( \text{button} \), LED in the button extinguishes.

At speeds below 56 km/h the system is inoperative.

**Fault**

The lane departure warning system may not operate properly when:

- The windscreen is not clean.
- There are adverse environmental conditions e.g. heavy rain, snow, direct sunlight or shadows.

The system can not operate when no lane marking is detected.

**Fuel**

**Fuel for petrol engines**

Only use unleaded fuel that complies with European standard EN 228 or equivalent.

The engine is capable of running with fuel that contains up to 10% ethanol (e.g. named E10).

Use fuel with the recommended octane rating. A lower octane rating can reduce engine power and torque and slightly increases fuel consumption.
Caution

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

Caution

Use of fuel that does not comply to EN 228 or equivalent can lead to deposits or engine damage.

Caution

Use of fuel with a lower octane rating than the lowest possible rating could lead to uncontrolled combustion and engine damage.

Fuel additive

Fuel should contain detergent additives that help prevent engine and fuel system deposits from forming. Clean fuel injectors and intake valves will allow the emission control system to work properly. In certain countries fuel does not contain sufficient quantities of additive to keep fuel injectors and intake valves clean. In these countries a fuel additive is required for some engines to make up for this lack of detergency. Only use fuel additive approved for the vehicle.

Adding fuel additive to the filled fuel tank is required at least every 15,000 km or after one year, whichever occurs first. For further information, contact your workshop.

Prohibited fuels

Fuels containing oxygenates such as ethers and ethanol, as well as reformulated fuel, are available in some cities. If these fuels comply with the previously described specification, then they are acceptable to use. However, E85 (85% ethanol) and other fuels containing more than 15% ethanol must be used only in FlexFuel vehicles.

Caution

Do not use fuel containing methanol. It can corrode metal parts in the fuel system and also damage plastic and rubber parts. This damage would not be covered by the vehicle warranty.

The engine-specific requirements regarding octane rating are given in the engine data overview \(\diamond\) 242. A country-specific label at the fuel filler flap can supersede the requirement.

Some fuels, mainly high octane racing fuels, can contain an octane enhancing additive called methylcyclopentadienyl manganese tricarbonyl (MMT). Do not use fuels or fuel additives with MMT as they can reduce spark plug life and affect emission control system performance. The malfunction indicator light \(\mathcal{Z}\) may illuminate \(\diamond\) 92. If this occurs, seek the assistance of a workshop.
Fuel for diesel engines

Only use diesel fuel that complies with EN 590 and which has a sulphur concentration of max. 10 ppm. Fuels with a biodiesel (compliant with EN 14214) content of max. 7% by volume may be used (e.g. named B7).

If travelling in countries outside the European Union occasional use of Euro-Diesel fuel with a sulphur concentration below 50 ppm is possible.

Caution

Use of fuel that does not comply to EN 590 or similar can lead to engine powerloss, increased wear or engine damage and may affect your warranty.

Do not use marine diesel oils, heating oils, Aquazole and similar diesel-water emulsions. Diesel fuels must not be diluted with fuels for petrol engines.

Low temperature operation

At temperatures below 0° C, some diesel products with biodiesel blends may clog, freeze or gel, which may affect the fuel supply system. Starting and engine operation may not work properly. Make sure to fill winter grade diesel fuel at ambient temperatures below 0°C.

Arctic grade diesel fuel can be used in extreme cold temperatures below -20° C. Using this fuel grade in warm or hot climates is not recommended and may cause engine stalling, poor starting or damage on the fuel injection system.

Fuel for liquid gas operation

Liquid gas is known as LPG (Liquefied Petroleum Gas) or under its French name GPL (Gaz de Pétrole Liquéfié). LPG is also known as Autogas.

LPG consists mainly of propane and butane. The octane rating is between 105 and 115, depending on the butane proportion. LPG is stored liquid at around 5-10 bar pressure. The boiling point depends on the pressure and mixing ratio. At ambient pressure, it is between -42 °C (pure propane) and -0.5 °C (pure butane).
Driving and operating

Caution

The system works at an ambient temperature of approx. -8 °C to 100 °C.

Full function of the LPG system can only be guaranteed with liquid gas which complies with the minimum requirements of DIN EN 589.

Fuel selector ³ 86.

Refuelling

Danger

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

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

Danger

Fuel is flammable and explosive. No smoking. No naked flames or sparks.

If you can smell fuel in your vehicle, have the cause of this remedied immediately by a workshop.

A label with symbols at the fuel filler flap is indicating the allowed fuel types. In Europe the pump nozzles of the filling stations are marked with these symbols. Refuel only the allowed fuel type.

Caution

In case of misfuelling, do not switch on ignition.

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

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

Petrol and Diesel refuelling

To open, turn the cap slowly anticlockwise.
Driving and operating

The fuel filler cap can be retained in the bracket on the fuel filler flap. Place the nozzle in straight position to the filler neck and press with slight force to insert.

To refuel, switch on pump nozzle. After the automatic cut-off, the tank can be topped up by operating the pump nozzle a maximum of two more times.

Caution
Wipe off any overflowing fuel immediately.

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

Filling adapter
As filling systems are not standardised, different adapters are required which are available from Opel Distributors and from Opel Authorised Repairers.

ACME adapter: Belgium, Germany, Ireland, Luxembourg, Switzerland

DISH adapter: Austria, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, France, Greece, Hungary, Italy, Latvia, Lithuania, Macedonia, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Sweden, Switzerland, Turkey, Ukraine
Driving and operating

The filling valve for the liquid gas is behind the fuel filler cap.

Unscrew protective cap from the filler neck.

Screw the required adapter hand-tight onto the filler neck.

**ACME adapter:** Screw the nut of the filling nozzle onto the adapter. Engage the locking lever of the filler nozzle.

**DISH adapter:** Place the filler nozzle into the adapter. Engage the locking lever of the filler nozzle.

**Bayonet adapter:** Place filler nozzle on the adapter and turn one quarter turn. Engage the locking lever of the filler nozzle.

**EURO adapter:** Press the filler nozzle onto the adapter. Engage the locking lever of the filler nozzle.

Press the button at the liquid gas supply point. The filling system stops or begins to run slowly when 80% of the tank volume is reached (maximum fill level).

Release button on filling system and the filling process stops. Release the locking lever and remove the filler nozzle. A small quantity of liquid gas may escape.

Remove adapter and stow securely in vehicle.

**Bayonet adapter:** Netherlands, Norway, Spain, United Kingdom

**EURO adapter:** Spain
Fit protective cap to prevent the penetration of foreign bodies into the filler opening and the system.

⚠️ Warning

Due to the system design, an escape of liquid gas after releasing the locking lever is unavoidable. Avoid inhaling.

⚠️ Warning

The liquid gas tank should only be filled to 80% capacity, for safety reasons.

The multivalve on the liquid gas tank automatically limits the fill quantity. If a larger quantity is added, we recommend not exposing the vehicle to the sun until the excess amount has been used up.

Fuel filler cap

Only use genuine fuel filler caps. Diesel-engined vehicles have special fuel filler caps.

Trailer hitch

General information

Only use towing equipment that has been approved for your vehicle. Entrust retrofitting of towing equipment to a workshop. It may be necessary to make changes that affect the cooling system, heat shields or other equipment.

The bulb outage detection function for trailer brake light cannot detect a partial bulb outage. E.g. in case of four bulbs with a power of 5 W each, the function only detects lamp outage when only a single 5 W lamp remains or none remain.

Fitting of towing equipment could cover the opening of the towing eye. If this is the case use the coupling ball bar for towing. Always keep the coupling ball bar in the vehicle when not in use.

Driving characteristics and towing tips

Before attaching a trailer, lubricate the coupling ball. However, do not do so if a stabiliser, which acts on the coupling ball, is being used to reduce snaking movements.

For trailers with low driving stability and caravan trailers with a permitted gross vehicle weight of more than 1000 kg a speed of 80 km/h must not be exceeded; the use of a stabiliser is recommended.

If the trailer starts snaking, drive more slowly, do not attempt to correct the steering and brake sharply if necessary.

When driving downhill, drive in the same gear as if driving uphill and drive at a similar speed.

Adjust tyre pressure to the value specified for full load ◇ 252.
Driving and operating

184  Driving and operating

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 loads apply up to the specified incline and up to an altitude of 1000 m 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 m 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 238.

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.

Petrol and diesel engines

The maximum permissible vertical coupling load (55 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.

Engine B14XEL LPG / D14XEL LPG

The maximum permissible vertical coupling load (45 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

Petrol and diesel engines

When the trailer is coupled and the towing vehicle fully loaded, the permissible rear axle load (see identification plate or vehicle documents) for passenger vehicles may be exceeded by 70 kg for the 5-door vehicle and 60 kg for the 3-door vehicle, the gross vehicle weight rating by 55 kg.

Engine B14XEL LPG / D14XEL LPG

When the trailer is coupled and the towing vehicle fully loaded, the permissible rear axle load (see identification plate or vehicle documents) for passenger vehicles may be exceeded by 70 kg for the 5-door vehicle and 70 kg for the 3-door vehicle and the gross vehicle weight rating by 45 kg.

Delivery van

When the trailer is coupled and the towing vehicle fully loaded, the permissible rear axle load (see identification plate or vehicle documents) for passenger vehicles may be exceeded by 60 kg and the gross vehicle weight rating by 55 kg.
General
If the permitted rear axle load is exceeded a maximum speed of 100 km/h applies. If lower national maximum speeds are specified for trailer operation, they must be complied with.

Towing equipment

<table>
<thead>
<tr>
<th>Caution</th>
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<tbody>
<tr>
<td>When operating without a trailer, remove the coupling ball bar.</td>
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</tbody>
</table>

Stowage of coupling ball bar
The coupling ball bar is stowed in a bag in the spare wheel well and secured to the lashing eyes in the load compartment.

Fitting the coupling ball bar

- Disengage and fold down the socket. Remove the sealing plug from the opening for the coupling ball bar and stow it.

Checking the tensioning of the coupling ball bar

- The rotary knob rests on the coupling ball bar.
- Green marking on the rotary knob is not visible.
- Locking pin at the top of the coupling ball bar is set inwards.
- The key is in the lock.
Driving and operating

Otherwise, the coupling ball bar must be tensioned before it is inserted into the coupling housing:

- Place the key in the lock and unlock the coupling ball bar.
- Push the rotary knob onto the coupling ball bar and rotate right while pressed down until it engages. The key remains in the lock.

**Inserting the coupling ball bar**

Insert the tensioned coupling ball bar in the opening and push firmly upwards until it audibly engages. The rotary knob snaps back into its original position resting against the coupling ball bar without a gap.

**Warning**

Do not touch rotary knob during insertion.

Green marking on the rotary knob is visible. Lock coupling ball bar and remove key.
Eye for break-away stopping cable

Attach breakaway stopping cable to eye.

Check that the coupling ball bar is correctly installed
- Green marking on rotary knob is visible.
- There must be no gap between the rotary knob and the coupling ball bar.
- The coupling ball bar must be firmly engaged in the opening.
- The coupling ball bar must be locked and the key removed.

⚠️ Warning

Towing a trailer is permitted only when a coupling ball bar is fitted correctly. If the coupling ball bar does not engage correctly, seek the assistance of a workshop.

Dismounting the coupling ball bar

Insert the key in the lock and unlock the coupling ball bar.
Push the rotary knob onto the coupling ball bar and rotate right while pressed down until it engages. Pull out the ball bar downwards.

Insert sealing plug in opening for coupling ball bar. Fold away socket.

Trailer stability assist
If the system detects snaking movements, engine power is reduced and the vehicle/trailer combination is selectively braked until the snaking ceases. While system is working keep steering wheel as still as possible.
Trailer stability assist is a function of the Electronic Stability Control § 152.
Vehicle care

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General Information

Accessories and vehicle modifications

We recommend the use of genuine parts and accessories and factory approved parts specific for your vehicle type. We cannot assess or guarantee reliability of other products - even if they have a regulatory or otherwise granted approval.

Any modification, conversion or other changes made to standard vehicle specifications (including, without limitation, software modifications, modifications of the electronic control units) may invalidate the warranty offered by Opel. Furthermore, such changes may affect driver assistance systems, fuel consumption, CO₂ emissions and other emissions of the vehicle. They may also invalidate the vehicle operating permit.
Caution
When transporting the vehicle on a train or on a recovery vehicle, the mud flaps may be damaged.

Vehicle storage
Storage for a long period of time
If the vehicle is to be stored for several months:
- Wash and wax the vehicle.
- Have the wax in the engine compartment and underbody checked.
- Clean and preserve the rubber seals.
- Fill up fuel tank completely.
- Change the engine oil.
- Drain the washer fluid reservoir.
- Check the coolant antifreeze and corrosion protection.
- Adjust tyre pressure to the value specified for full load.

- Park the vehicle in a dry, well ventilated place. Engage first or reverse gear or set selector lever to P. Prevent the vehicle from rolling.
- Do not apply the parking brake.
- Open the bonnet, close all doors and lock the vehicle.
- Disconnect the clamp from the negative terminal of the vehicle battery. Beware that all systems are not functional, e.g. anti-theft alarm system.

Putting back into operation
When the vehicle is to be put back into operation:
- Connect the clamp to the negative terminal of the vehicle battery. Activate the electronics of the power windows.
- Check tyre pressure.
- Fill up the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.
- Fit the number plate if necessary.

End-of-life vehicle recovery
Information on end-of-life vehicle recovery centres and the recycling of end-of-life vehicles is available on our website. Only entrust this work to an authorised recycling centre.
Gas vehicles must be recycled by a service centre authorised for gas vehicles.
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.

Push the safety catch upwards and open the bonnet.

Secure the bonnet support.
If the bonnet is opened during an Autostop, the engine will be restarted automatically for safety reasons.

**Closing**
Before closing the bonnet, press the support into the holder.
Lower the bonnet and allow it to fall into the latch from a low height (20-25 cm). Check that the bonnet is engaged.

<table>
<thead>
<tr>
<th>Caution</th>
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<tbody>
<tr>
<td>Do not press the bonnet into the latch, to avoid dents.</td>
</tr>
</tbody>
</table>

**Engine oil**
Check the engine oil level manually on a regular basis to prevent damage to the engine. Ensure that the correct specification of oil is used.

Recommended fluids and lubricants  235.

The maximum engine oil consumption is 0.6 l per 1000 km.

Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least 5 minutes.
Pull out the dipstick, wipe it clean, reinsert it fully, pull out and read the engine oil level.
Different dipsticks are used depending on engine variant.

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

We recommend the use of the same grade of engine oil that was used at the 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. If the oil exceeds the maximum level, do not start the vehicle and contact a workshop.

Capacities  251.
Fit the cap on straight and tighten it.

---

**Engine coolant**
The coolant provides freeze protection down to approx. -28 °C. In northern countries with very low temperatures, the factory filled coolant provides frost protection down to approx. -37 °C.

<table>
<thead>
<tr>
<th>Caution</th>
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<tbody>
<tr>
<td>Only use approved antifreeze.</td>
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</table>

Coolant and antifreeze  235.

**Coolant level**

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Too low a coolant level can cause engine damage.</td>
</tr>
</tbody>
</table>

Different coolant reservoirs are used depending on engine variant.

If the cooling system is cold, the coolant level should be above the filling line mark.

Top-up if the level is low.
**Warning**

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

To top-up, use a 1:1 mixture of released coolant concentrate mixed with clean tap water. If no coolant concentrate is available, use clean tap water. Install the cap tightly. Have the coolant concentration checked and have the cause of the coolant loss remedied by a workshop.

**Washer fluid**

Fill with clean water mixed with a suitable quantity of approved windscreen washer fluid which contains antifreeze.

**Caution**

Only washer fluid with a sufficient antifreeze concentration provides protection at low temperatures or a sudden drop in temperature.

Washer fluid  235.

**Brakes**

In the event of minimum thickness of the brake lining, a squealing noise sounds during braking. Continued driving is possible but have the brake lining replaced as soon as possible. Once new brake linings are installed, do not brake unnecessarily hard for the first few journeys.

**Brake fluid**

**Warning**

Brake fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.
The brake fluid level must be between the MIN and MAX marks. If fluid level is below the MIN mark, seek the assistance of a workshop.

**Vehicle battery**

The vehicle battery is maintenance-free provided that the driving profile allows sufficient charging of the battery. Short-distance-driving and frequent engine starts can discharge the vehicle battery. Avoid the use of unnecessary electrical consumers.

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

Laying up the vehicle for more than four weeks can lead to vehicle 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.

**Battery discharge protection**

**Disconnecting the battery**

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

**Replacing the vehicle battery**

**Note**

Any deviation from the instructions given in this section may lead to temporary deactivation or disturbance of the stop-start system.

When the vehicle battery is being replaced, please ensure that there are no open ventilation holes in the vicinity of the positive terminal. If a ventilation hole is open in this area, it must be closed off with a dummy cap, and the ventilation in the vicinity of the negative terminal must be opened.

Ensure that the battery is always replaced by the same type of battery.

We recommend the use of an original Opel battery.

**Note**

Using an AGM vehicle battery different from the original Opel vehicle battery may result in a lower performance.

We recommend that you have the vehicle battery replaced by a workshop.
Charging the vehicle battery

Warning

On vehicles with stop-start system, ensure that the charging potential does not exceed 14.6 V when using a battery charger. Otherwise the vehicle battery may be damaged.

Jump starting ⦿ 227.
Stop-start system ⦿ 136.

Warning label

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

Diesel fuel system bleeding

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

Wiper blade replacement

Windscreen

Lift the wiper arm until it stays in the raised position. Press the catches on both sides, tilt wiper blade at a 90° angle to the wiper arm and remove upwards.
Insert in reverse order.
Lower wiper arm carefully.
Rear window

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

Bulb replacement

Switch off the ignition and switch off the relevant switch or close the doors. Only hold a new bulb at the base! Do not touch the bulb glass with bare hands. Use only the same bulb type for replacement. Replace headlight bulbs from within the engine compartment.

Bulb check

After a bulb replacement switch on the ignition, operate and check the lights.

Halogen headlights

Halogen headlights with separate bulbs for sidelight, low beam and high beam.

Sidelight / daytime running light (1)
Low beam (2)
High beam (3)
Front turn lights 200.
**Low beam**

1. Rotate the cap (2) anticlockwise and remove it.

2. Press the clip to disengage bulb holder. Withdraw the bulb holder from the reflector.

3. Detach the bulb from the bulb holder and replace the bulb.

4. Insert the bulb holder with the clip downwards and engage into the reflector until it clicks.

5. Install cap.

**High beam**

1. Rotate the cap (3) anticlockwise and remove it.
2. Press the clip to disengage bulb holder. Withdraw the bulb holder from the reflector.

3. Detach the bulb from the bulb holder and replace the bulb.

4. Insert the bulb holder with the clip downwards and engage into the reflector until it clicks.

5. Install cap.

---

**Sidelight / daytime running light with bulbs**

2. Press both clips together and withdraw the bulb socket from the headlamp housing.

1. Rotate bulb socket (1) anticlockwise to disengage.

3. Remove the bulb from the socket by pulling.

4. Replace and insert new bulb into socket.

5. Insert the bulb socket into the headlamp housing and turn clockwise.
Sidelight / daytime running light with LEDs

Sidelights and daytime running lights are designed as LEDs and cannot be changed. Consult a workshop in case of a defective LED.

Xenon headlights

⚠️ Danger

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

Sidelight / daytime running lights are designed as LEDs and cannot be changed.

Bulbs for corner lighting can be changed.

Front turn lights 200.

Corner lighting

1. Rotate the cap (3) anticlockwise and remove it.
2. Rotate the bulb holder anticlockwise to disengage. Withdraw the bulb holder from the reflector.
3. Remove the bulb from the plug connector by disengaging and pulling.
4. Replace the bulb. Connect and engage bulb holder with the plug connector.
5. Insert the bulb holder into the reflector and rotate clockwise to secure.
6. Fit the cap and rotate clockwise.
Fog lights
The bulbs are accessible from the underside of the vehicle.

1. Turn the bulb holder anti-clockwise and remove it from the reflector.

2. Disengage the bulb socket from the plug connector by pressing the retaining lug.

3. Remove and replace the bulb socket with bulb and attach the plug connector.

4. Insert the bulb socket into the reflector by turning clockwise and engage.

Front turn lights
Front turn lights consist of long-life bulbs which cannot be changed.
Consult a workshop in case of a defective long-life bulb.

Tail lights

1. Release the cover in the load compartment on the respective side and remove.
Remove all components, such as tyre repair kit or tools, from the rear insert. Compress this insert at the upper side and remove from the sidewall.
2. Unscrew both plastic securing nuts from the inside by hand.

3. Carefully withdraw the light assembly from the recesses and remove.

4. Press the retaining lugs and remove the bulb carrier from the light assembly.

5. Remove the bulb by pushing the bulb slightly into the socket and rotating anticlockwise:
   - Tail light / brake light (1)
   - Turn light (2)

6. Insert bulb into bulb carrier and turn clockwise. Engage bulb carrier into the light assembly. Fit light assembly with the retaining pins into the recesses of the vehicle body and tighten the plastic securing nuts from inside the load compartment.
   Close cover and engage.

**Reversing light / rear fog light**

**Left-hand drive models**
Reversing light is located on the right light assembly in the tailgate, and the rear fog light is located on the left light assembly in the tailgate.

**Right-hand drive models**
Reversing light is located on the left light assembly in the tailgate, and the rear fog light is located on the right light assembly in the tailgate.
Vehicle care

The description of bulb replacement is the same for both lights.

1. Remove screw from the tailgate.

2. Move light assembly slightly to the outside, then withdraw from the tailgate.

3. Remove the bulb holder by turning.

4. Remove the bulb by pushing slightly into the socket and rotating anticlockwise. Replace the bulb.

5. Insert the bulb socket into the assembly and turn to secure.

6. Attach light assembly into the tailgate and secure with the screw.

Side turn lights
To replace bulb, remove lamp housing:

1. Slide lamp to its left side and remove with its right end.
2. Turn bulb holder anticlockwise and remove from housing.

3. Pull bulb from bulb holder and replace it.

4. Insert bulb holder and turn clockwise.

5. Insert left end of the lamp, slide to the left and insert right end.

**Centre high-mounted brake light**
Have LEDs replaced by a workshop.

**Number plate light**

1. Insert screwdriver in recess of the cover, press to the side and release spring.

2. Remove lamp downwards, taking care not to pull on the cable.

3. Remove bulb holder from lamp housing by turning anticlockwise.
Vehicle care

Electrical system

Fuses
Data on the replacement fuse must match the data on the defective fuse.
There are two fuse boxes in the vehicle:
- in the front left of the engine compartment
- in left-hand drive vehicles, behind the light switch, or, in right-hand drive vehicles, behind the glovebox

Before replacing a fuse, turn off the respective switch and the ignition.

There are different kinds of fuses in the vehicle.

Depending on the type of fuse, 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.

Interior lights
Have the following bulbs replaced by a workshop:
- courtesy light, reading lights
- load compartment light
- dome light
- instrument panel illumination

4. Pull bulb from bulb holder and replace it.
5. Insert bulb holder into lamp housing and turn clockwise.
6. Insert lamp into bumper and let engage.
Place the fuse extractor on the various types of fuse from the top, and withdraw fuse.

The fuse box is in the front left of the engine compartment. Disengage the cover and fold it upwards until it stops. Remove the cover vertically upwards.
<table>
<thead>
<tr>
<th>No.</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Trailer interface module, rear carrier system</td>
</tr>
<tr>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>Battery sensor</td>
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<tr>
<td>4</td>
<td>Chassis control module fuel pump</td>
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<tr>
<td>5</td>
<td>ABS</td>
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<tr>
<td>6</td>
<td>Low beam and Daytime running light left, Xenon high beam shutter left and right</td>
</tr>
<tr>
<td>7</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>MTA Transmission control module, LPG control module</td>
</tr>
<tr>
<td>9</td>
<td>Body control module</td>
</tr>
<tr>
<td>10</td>
<td>Headlamp levelling</td>
</tr>
<tr>
<td>11</td>
<td>Rear wiper</td>
</tr>
<tr>
<td>12</td>
<td>Heated rear window</td>
</tr>
<tr>
<td>13</td>
<td>Low beam and Daytime running light right</td>
</tr>
<tr>
<td>14</td>
<td>Heated exterior mirror</td>
</tr>
<tr>
<td>15</td>
<td>-</td>
</tr>
<tr>
<td>16</td>
<td>Brake booster kit</td>
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<tr>
<td>17</td>
<td>Ignition signal / Waterpump</td>
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<td>18</td>
<td>Engine control module</td>
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<tr>
<td>19</td>
<td>Fuel pump</td>
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<td>21</td>
<td>Engine solenoids, engine sensors</td>
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<td>-</td>
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<tr>
<td>23</td>
<td>Ignition coils / Injectors</td>
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<td>24</td>
<td>Washer system</td>
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<td>25</td>
<td>-</td>
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<td>26</td>
<td>Engine sensors</td>
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<td>30</td>
<td>Engine control module</td>
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<tr>
<td>31</td>
<td>High beam left, Xenon low beam left</td>
</tr>
<tr>
<td>32</td>
<td>High beam right, Xenon low beam right</td>
</tr>
<tr>
<td>33</td>
<td>Engine control module</td>
</tr>
<tr>
<td>34</td>
<td>Horn</td>
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<td>35</td>
<td>Air condition compressor clutch</td>
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<td>36</td>
<td>Front fog lights</td>
</tr>
<tr>
<td>No.</td>
<td>Circuit</td>
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<td>-----------------</td>
</tr>
<tr>
<td>1</td>
<td>ABS pump</td>
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<tr>
<td>2</td>
<td>Front wiper</td>
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<tr>
<td>3</td>
<td>Blower</td>
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<td>4</td>
<td>Seat heating</td>
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<tr>
<td>5</td>
<td>Cooling fan</td>
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<td>6</td>
<td>–</td>
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<tr>
<td>7</td>
<td>Transmission</td>
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<td>8</td>
<td>Cooling fan</td>
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<tr>
<td>9</td>
<td>Cooling fan</td>
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<td>10</td>
<td>Cooling fan</td>
</tr>
<tr>
<td>11</td>
<td>Starter</td>
</tr>
</tbody>
</table>

After having changed defective fuses close the fuse box cover and press until it engages.
If the fuse box cover is not closed correctly, malfunction may occur.

Instrument panel fuse box
Left-hand drive vehicles

The fuse box is behind the light switch in the instrument panel. Hold the handle, then pull and fold down the light switch.

Right-hand drive vehicles
The fuse box is located behind a cover in the glovebox. Open the glovebox, then open the cover and fold it down.

<table>
<thead>
<tr>
<th>No.</th>
<th>Circuit</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>–</td>
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<tr>
<td>2</td>
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<tr>
<td>3</td>
<td>Power windows</td>
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<tr>
<td>4</td>
<td>Voltage transformer</td>
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<tr>
<td>5</td>
<td>Body control module 1</td>
</tr>
<tr>
<td>6</td>
<td>Body control module 2</td>
</tr>
<tr>
<td>7</td>
<td>Body control module 3</td>
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<td>8</td>
<td>Body control module 4</td>
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<tr>
<td>14</td>
<td>Tailgate</td>
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<tr>
<td>15</td>
<td>Airbag system</td>
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<td>16</td>
<td>Data link connection</td>
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<td>Ignition</td>
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<th>Circuit</th>
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<td>18</td>
<td>Air conditioning system</td>
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<td>19</td>
<td>Sunroof</td>
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<td>20</td>
<td>Parking assist / Rain sensor / Front camera</td>
</tr>
<tr>
<td>21</td>
<td>Brake switch</td>
</tr>
<tr>
<td>22</td>
<td>Audio system</td>
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<tr>
<td>23</td>
<td>Display</td>
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<tr>
<td>24</td>
<td>–</td>
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<tr>
<td>25</td>
<td>Auxiliary jack</td>
</tr>
<tr>
<td>26</td>
<td>Instrument panel</td>
</tr>
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<td>27</td>
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<tr>
<td>30</td>
<td>–</td>
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<tr>
<td>31</td>
<td>Horn</td>
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<tr>
<td>32</td>
<td>–</td>
</tr>
<tr>
<td>33</td>
<td>Heated steering wheel</td>
</tr>
<tr>
<td>No.</td>
<td>Circuit</td>
</tr>
<tr>
<td>-----</td>
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</tr>
<tr>
<td>34</td>
<td>–</td>
</tr>
<tr>
<td>35</td>
<td>Tyre repair kit</td>
</tr>
<tr>
<td>36</td>
<td>–</td>
</tr>
<tr>
<td>37</td>
<td>Rear wiper</td>
</tr>
<tr>
<td>38</td>
<td>Cigarette lighter</td>
</tr>
<tr>
<td>39</td>
<td>Power windows / Sunroof / Automatic transmission display</td>
</tr>
<tr>
<td>40</td>
<td>–</td>
</tr>
</tbody>
</table>

**Vehicle tools**

**Tools**

**Vehicles without spare wheel**

The tools are located together with the towing eye in the load compartment below the floor cover.

The tools and the towing eye are located on the right side of the load compartment behind a cover.

On OPC or LPG version or versions with rear carrier system, the tools are located together with the towing eye on the right side of the load compartment, behind a cover.
Vehicles with spare wheel

The jack, wheel bolt wrench and some tools are located on the right side of the load compartment, behind a cover ❖ 70.

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.
We recommend not swapping the front wheels with the rear wheels and vice versa, as this can affect vehicle stability. Always use less worn tyres on the rear axle.

Winter tyres
Winter tyres improve driving safety at temperatures below 7 °C and should therefore be fitted on all wheels.
All tyre sizes are permitted as winter tyres ❖ 252.
In accordance with country-specific regulations, affix the speed sticker in the driver's field of view.

OPC with Michelin Pilot Sport 4 and Pilot Super Sport tyres
This model is factory-fitted with high performance sports tyres, which have a reduced performance at low temperature.

⚠️ Danger
Use winter tyres at temperatures below 0 °C, otherwise damage of the high performance sports tyres is possible.

Tyre designations
E.g. 195/55 R 16 95 H
195 : tyre width, mm
55 : cross-section ratio (tyre height to tyre width), percentage
R : belt type: Radial
RF : type: RunFlat
16 : wheel diameter, inches
95 : load index e.g. 95 is equivalent to 690 kg
H : speed code letter

Speed code letter:
Q : up to 160 km/h
S : up to 180 km/h
Vehicle care

T : up to 190 km/h
H : up to 210 km/h
V : up to 240 km/h
W : up to 270 km/h

Choose a tyre appropriate for the maximum speed of your vehicle.
The maximum speed is achievable at kerb weight with driver (75 kg) plus 125 kg payload. Optional equipment could reduce the maximum speed of the vehicle.

Performance ⧗ 244.

Directional tyres

Directional tyres must be mounted so that they rotate in the correct direction. The proper rotation direction is indicated by a symbol (e.g. an arrow) on the sidewall.

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.

Tyre pressure ⧗ 252.
The tyre pressure information label on the right door frame indicates the original equipment tyres and the correspondent tyre pressures.
The tyre pressure data refers to cold tyres. It applies to summer and winter tyres.
The ECO tyre pressure serves to achieve the smallest amount of fuel consumption possible.
Incorrect tyre pressures will impair safety, vehicle handling, comfort and fuel economy and will increase tyre wear.

Tyre pressures differ depending on various options.

For the correct tyre pressure value, follow the procedure below:

- Identify the engine identifier code. Engine data ⧗ 242.
- Identify the respective tyre.
- The tyre pressure tables show all possible tyre combinations ⧗ 252.

For the tyres approved for your vehicle, refer to the EEC Certificate of Conformity provided with your vehicle or other national registration documents.
The driver is responsible for correct adjustment of tyre pressure.

⚠️ Warning

If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blow-out at high speeds.
Vehicle care

⚠️ Warning
For specific tyres the recommended tyre pressure as shown in the tyre pressure table may exceed the maximum tyre pressure as indicated on the tyre. Never exceed the maximum tyre pressure as indicated on the tyre.

If the tyre pressure must be reduced or increased, switch off ignition. After adjusting tyre pressure switch on ignition and select the relevant setting on the page Tyre load in the Driver Information Centre 97.

Temperature dependency
The tyre pressure depends on the temperature of the tyre. During driving, tyre temperature and pressure increase. Tyre pressure values provided on the tyre information label and tyre pressure chart are valid for cold tyres, which means at 20 °C.

The pressure increases by nearly 10 kPa for a 10 °C temperature increase. This must be considered when warm tyres are checked.

The tyre pressure value displayed in the Driver Information Centre shows the real tyre pressure. A cooled down tyre will show a decreased value, which does not indicate an air leak.

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

Caution
Tyre pressure monitoring system warns only about low tyre pressure condition and does not replace regular tyre maintenance by the driver.

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

Note
In countries where the tyre pressure monitoring system is legally required, the use of wheels without pressure sensors will invalidate the vehicle operating permit.

The current tyre pressures can be shown in the Vehicle Information Menu in the Driver Information Centre.

The menu can be selected by pressing the buttons on the stalk.

Press MENU to select the Vehicle Information Menu.

Turn the adjuster wheel to select the tyre pressure monitoring system.
Midlevel display:

The tyre pressure for each tyre is displayed on its own page.

Uplevel display:

The tyre pressures for all tyres are displayed on one page.

System status and pressure warnings are displayed by a message indicating the corresponding tyre in the Driver Information Centre.

The system considers the tyre temperature for the warnings.

Temperature dependency 211.

A detected low tyre pressure condition is indicated by the control indicator § 95.

If § illuminates, stop as soon as possible and inflate the tyres as recommended 252.

If § flashes for 60-90 seconds then illuminates continuously, there is a fault in the system. Consult a workshop.

After inflating, some driving may be required to update the tyre pressure values in the Driver Information Centre. During this time § may illuminate.

If § illuminates at lower temperatures and extinguishes after driving, this could be an indicator for approaching a low tyre pressure condition. Check tyre pressure.

Vehicle messages 103.

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

Only mount wheels with pressure sensors, otherwise the tyre pressure will not be displayed and § illuminates continuously.

A spare wheel or temporary spare wheel is not equipped with pressure sensors. The tyre pressure monitoring system is not operational for these tyres. Control indicator § illuminates. For the further three tyres, the system remains operational.
The use of commercially-available liquid tyre repair kits can impair the function of the system. Factory-approved repair kits can be used.

Operating electronic devices or being close to facilities using similar wave frequencies could disrupt the tyre pressure monitoring system.

Each time the tyres are replaced, tyre pressure monitoring system sensors must be dismounted and serviced. For the screwed sensor; replace valve core and sealing ring. For the clipped sensor; replace complete valve stem.

**Vehicle loading status**

Adjust tyre pressure to load condition according to the tyre information label or tyre pressure chart ∘ 252, and select the appropriate setting in the menu Tyre Load in the Driver Information Centre, Vehicle Information Menu ∘ 97. This setting is the reference for the tyre pressure warnings.

The menu Tyre Load only appears when the vehicle is at a standstill and the parking brake is applied. On vehicles with automatic transmission, the selector lever must be in P.

**Midlevel display:**

Select
- **LO** for comfort pressure up to three people.
- **ECO** for Eco pressure up to three people.
- **Hi** for full loading.

**Uplevel display:**

Select
- **Light** for comfort pressure up to three people.
- **Eco** for Eco pressure up to three people.
- **Max** for full loading.

**Tyre pressure sensor matching process**

Each pressure sensor has a unique identification code. The identification code must be matched to a new wheel position after rotating the wheels or exchanging the complete wheel set and if one or more tyre
pressure sensors were replaced. The tyre pressure sensor matching process should also be performed after replacing a spare wheel with a road wheel containing a tyre pressure sensor.

The malfunction light \( \text{!} \) and the warning message or code should extinguish at the next ignition cycle. The sensors are matched to the wheel positions, using a relearn tool, in the following order: left side front wheel, right side front wheel, right side rear wheel and left side rear wheel. The turn light at the current active position is illuminated until sensor is matched.

Consult a workshop for service. There are 2 minutes to match the first wheel position, and 5 minutes overall to match all four wheel positions. If it takes longer, the matching process stops and must be restarted.

The tyre pressure sensor matching process is:
1. Apply the parking brake.
2. Turn the ignition on.

3. On vehicles with automatic transmission: set the selector lever to P.
   On vehicles with manual transmission automated: Keep brake pedal depressed. Move and hold the selector lever for 5 seconds to position N until P is displayed in the Driver Information Centre. P indicates that the tyre pressure sensor matching process can be started.
   On vehicles with manual transmission: select neutral.

4. Use MENU on the stalk to select the Vehicle Information Menu \( \text{∈} \) in the Driver Information Centre.

5. Turn the adjuster wheel to scroll to the tyre pressure menu.
   Midlevel display:
6. Press SET/CLR to begin the sensor matching process. A message requesting acceptance of the process should be displayed.

7. Press SET/CLR again to confirm the selection. The horn sounds twice to indicate that the receiver is in relearn mode.

8. Start with the left side front wheel.

9. Place the relearn tool against the tyre sidewall, near the valve stem. Then press the button to activate the tyre pressure sensor. A horn chirp confirms that the sensor identification code has been matched to this wheel position.

10. Proceed to the right side front wheel, and repeat the procedure in Step 9.

11. Proceed to the right side rear wheel, and repeat the procedure in Step 9.

12. Proceed to the left side rear wheel, and repeat the procedure in Step 9. The horn sounds twice to indicate that the sensor identification code has been matched to the left side rear wheel, and the tyre pressure sensor matching process is no longer active.

13. Turn off the ignition.

14. Set all four tyres to the recommended air pressure level as indicated on the tyre pressure information label.

15. Ensure the tyre loading status is set according to the selected pressure ⬤ 97.

**Tread depth**

Check tread depth at regular intervals.

Tyres should be replaced for safety reasons at a tread depth of 2-3 mm (4 mm for winter tyres).

For safety reasons it is recommended that the tread depth of the tyres on one axle should not vary by more than 2 mm.

The legally permissible minimum tread depth (1.6 mm) has been reached when the tread has worn down as far as one of the tread wear indicators (TWI). Their position is indicated by markings on the sidewall.

Tyres age, even if they are not used. We recommend tyre replacement every six years.
Changing tyre and wheel size
If tyres of a different size than those fitted at the factory are used, it may be necessary to reprogramme the nominal tyre pressure and to make other vehicle modifications.
After converting to a different tyre size, have the label with tyre pressures replaced.
Tyre pressure monitoring system ◇ 212.

Caution
When converting to wheels with 14 inch diameter, the ground clearance will be reduced. This must be considered when passing over obstacles.

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

Steel wheels: When using locking wheel nuts, do not attach wheel covers.

Wheel covers
Wheel covers and tyres that are factory approved for the respective vehicle and comply with all of the relevant wheel and tyre combination requirements must be used.
If the wheel covers and tyres used are not factory approved, the tyres must not have a rim protection ridge.
Wheel covers must not impair brake cooling.

Tyre chains
Tyre chains are only permitted on the front wheels.
Always use fine mesh chains that add no more than 10 mm to the tyre tread and the inboard sides (including chain lock).

Warning
Damage may lead to tyre blowout.

Tyre chains are permitted on tyres of size 175/70 R14, 185/70 R14, 185/65 R15, 205/45 R17.
Vehicle care

Tyre chains are permitted on tyres of size 195/55 R16 with rims of size 16 x 6 and 16 x 6.5, the latter only in combination with limited steering angle. Seek the assistance of a workshop.

Tyre chains are not permitted on tyres of size 215/45 R17 and 215/40 R18. The use of tyre chains is not permitted on the temporary spare wheel.

Tyre repair kit

Minor damage to the tyre tread can be repaired with the tyre repair kit.

Do not remove foreign bodies from the tyres.

Tyre damage exceeding 4 mm or that is at the tyre's side wall near the rim cannot be repaired with the tyre repair kit.

⚠️ Warning

Do not drive faster than 80 km/h.

Do not use for a lengthy period.

Steering and handling may be affected.

If you have a flat tyre:

Apply the parking brake and engage first gear, reverse gear or P.

The tyre repair kit is stowed in the load compartment.

Depending on the equipment, the tyre repair kit is in a compartment in the right sidewall or in a compartment under the floor cover.

Vehicles with tyre repair kit under the floor cover

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.
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 \(\geq 252\).
   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 for longer than 10 minutes.

14. Detach the tyre repair kit. Push catch on bracket to remove sealant bottle from bracket. Screw the tyre inflation hose to the free connection of the sealant bottle. This prevents sealant from escaping. Stow tyre repair kit in load compartment.

15. Remove any excess sealant using a cloth.

16. Take the label indicating maximum permitted speed from the sealant bottle and affix in the driver’s field of view.

17. Continue driving immediately so that sealant is evenly distributed in the tyre. After driving approx. 10 km (but no more than 10 minutes), stop and check tyre pressure. Screw compressor air hose directly onto tyre valve and compressor when doing this.

18. Stow away tyre repair kit in load compartment.

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.
1. Take the sealant bottle and bracket with air hose from the insert.

2. Detach air hose from bracket and screw onto sealant bottle connection.

3. Position the sealant bottle on the bracket. Make sure that the bottle does not fall.

4. Unscrew valve cap from defective tyre.

5. Screw tyre inflation hose to valve.

6. Screw air hose onto compressor connection.

7. Switch on ignition.
   To avoid discharging the battery, we recommend running the engine.

8. Press on/off switch on the compressor. The tyre is filled with sealant.

9. 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.
10. All of the sealant is pumped into the tyre. Then the tyre is inflated.

11. The prescribed tyre pressure should be obtained within 10 minutes.
   Tyre pressure 252.
   When the correct pressure is obtained, switch off the compressor by pressing the on/off switch again.
   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.

12. Push catch on bracket to remove sealant bottle from bracket. Screw the tyre inflation hose to the free connection of the sealant bottle.

13. Remove any excess sealant using a cloth.

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   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.

16. Stow away tyre repair kit in load compartment.

---

General information

Note
The driving characteristics of the repaired tyre are severely affected, therefore have this tyre replaced.

If unusual noise is heard or the compressor becomes hot, turn compressor off for at least 30 minutes.

The built-in safety valve opens at a pressure of 7 bar.

Note the expiry date of the kit. After this date its sealing capability is no longer guaranteed. Pay attention to storage information on sealant bottle.

Replace the used sealant bottle. Dispose of the bottle as prescribed by applicable laws.

The compressor and sealant can be used from approx. -30 ºC.

The adapters supplied can be used to pump up other items e.g. footballs, air mattresses, inflatable dinghies etc. They are located on the underside of the compressor. To remove, screw on compressor air hose and withdraw adapter.
Wheel changing

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.
- Never change more than one wheel at once.
- Use the jack only to change wheels in case of puncture, not for seasonal winter or summer tyre change.
- The jack is maintenance-free.
- If the ground on which the vehicle is standing is soft, a solid board (max. 1 cm thick) should be placed under the jack.
- Take heavy objects out of the vehicle before jacking up.
- No people or animals may be in the vehicle when it is jacked-up.
- Never crawl under a jacked-up vehicle.

- Do not start the vehicle when it is raised on the jack.
- Before screwing in the wheel bolts, clean them and lightly coat the taper of each wheel bolt with commercially available grease.

⚠️ Warning

Do not grease the thread of the wheel bolt.

1. **Steel wheels:**
   - Pull off the wheel cover.

2. **Alloy wheels with bolt caps:**
   - Disengage wheel bolt caps with a screwdriver and remove. To protect the wheel, place a soft cloth between the screwdriver and the alloy wheel.

2. Install the wheel wrench ensuring that it locates securely and loosen each wheel bolt by half a turn.

The wheels might be protected by locking wheel bolts. To loosen these specific bolts, first attach the adapter for the locking wheel bolts onto the head of the bolt before installing the wheel wrench. The adapter is located in the glovebox.
3. Ensure the jack is correctly positioned under the relevant vehicle jacking point.
   On versions with sill panels or retrofitted sill panels, no jack may be used. The vehicle may be damaged.

4. Set the jack to the necessary height. Position 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 bolts.
6. Change the wheel.
7. Screw on the wheel bolts.
8. Lower vehicle.
9. Install the wheel wrench ensuring that it is securely located and tighten each bolt in a crosswise sequence. Tightening torque is 110 Nm.
10. Align the valve hole in the wheel cover of the steel wheel with the tyre valve before installing. Install wheel bolt caps or centre cap on alloy wheel.
11. Install vehicle jacking point cover.
12. Stow and secure the replaced wheel, the vehicle tools 209 and the adapter for the locking wheel bolts 57.
13. Check the tyre pressure of the installed tyre and the wheel bolt torque as soon as possible.
Have the defective tyre renewed or repaired as soon as possible.

Jacking position for lifting platform

Rear arm position of the lifting platform located centrally under the recess of the sill.

Front arm position of the lifting platform at the underbody.

Spare wheel
The spare wheel can be classified as a temporary spare wheel depending on the size compared to the other mounted wheels and country regulations. In this case a permissible maximum speed applies, even though no label at the spare wheel indicates this.

The spare wheel has a steel rim.

Caution

The use of a spare wheel that is smaller than the other wheels or in combination with winter tyres could affect driveability. Have the defective tyre replaced as soon as possible.

3-door / 5-door hatchback

The spare wheel is located in the load compartment beneath the floor covering. It is secured with a wing nut. Fitting a double load-bay floor in this case in the upper position 70.
Vehicle care

To remove, unscrew wing nut, lift spare wheel, move to a vertical position and remove from above.
When stowing the replaced wheel or the temporary spare wheel back in the spare wheel well, always secure with the wing nut.

Delivery van

Remove load floor.
The spare wheel is screwed down together with the floor cover.
Unscrew wing nut and lift load cover.

Remove spacer above the spare wheel, lift the wheel, move to a vertical position and remove from above.
When stowing the replaced wheel or the temporary spare wheel back in the spare wheel well, always insert the adapter and secure the load cover with the wing nut.
Depending on the defective replaced wheel, the spacer can be omitted if necessary, or the wheel can be bolted down without the floor cover.

Temporary spare wheel

Caution

The 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. The permissible maximum speed on the label on the temporary spare wheel is only valid for the factory-fitted tyre size.
If your vehicle gets a flat tyre on the rear while towing another vehicle, mount the temporary spare wheel in the front and the full size tyre in the rear.
Tyre chains 217.

Spare wheel with directional tyre

If possible, fit directional tyres such that they roll in the direction of travel. The rolling direction is indicated by a symbol (e.g. an arrow) on the sidewall.
The following applies to tyres fitted opposing the rolling direction:

- Driveability may be affected. Have the defective tyre renewed or repaired as soon as possible and fit it instead of the spare wheel.
- Drive particularly carefully on wet and snow-covered road surfaces.

### Jump starting

Do not start with a quick charger. A vehicle with a discharged vehicle battery can be started using jump leads and the vehicle battery of another vehicle.

<table>
<thead>
<tr>
<th>△ Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>△ Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avoid contact of the battery with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact.</td>
</tr>
</tbody>
</table>

- Never expose the battery to naked flames or sparks.

- A discharged vehicle battery can already freeze at a temperature of 0 °C. Defrost the frozen battery before connecting jump leads.
- Wear eye protection and protective clothing when handling a battery.
- Use a booster battery with the same voltage (12 V). Its capacity (Ah) must not be much less than that of the discharged vehicle battery.
- Use jump leads with insulated terminals and a cross section of at least 16 mm² (25 mm² for diesel engines).
- Do not disconnect the discharged vehicle 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.
Vehicle care

- Apply the parking brake, transmission in neutral, automatic transmission in P.
- Open the positive terminal protection caps of both vehicle batteries.

Lead connection order:
1. Connect the red lead to the positive terminal of the booster vehicle battery.
2. Connect the other end of the red lead to the positive terminal of the discharged vehicle battery.
3. Connect the black lead to the negative terminal of the booster vehicle battery.
4. Connect the other end of the black lead to a vehicle grounding point, such as the engine block or an engine mounting bolt. Connect as far away from the discharged vehicle battery as possible, however at least 60 cm.

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

Wrap a cloth around the tip of a flat screwdriver to prevent paint damage. Insert the screwdriver in the slot at the lower part of the cap. Release the cap by carefully moving the screwdriver downwards.

The towing eye is stowed with the vehicle tools 209.

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.

Switch the selector lever to neutral.

Release the parking brake.

Caution

Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

When the engine is not running, considerably more force is needed to brake and steer.

To prevent the entry of exhaust gases from the towing vehicle, switch on the air recirculation and close the windows.

Vehicles with automatic transmission: the vehicle must be towed facing forwards, not faster than 80 km/h nor further than 100 km. In all other cases and when the transmission is defective, the front axle must be raised off the ground.

Vehicles with manual transmission automated: the vehicle must only be towed facing forwards with the front axle raised off the ground.

Seek the assistance of a workshop.

After towing, unscrew the towing eye.

Insert cap at the top and engage downwards.
Wrap a cloth around the tip of a flat screwdriver to prevent paint damage. Insert the screwdriver in the slot at the lower part of the cap. Release the cap by carefully moving the screwdriver downwards.

The towing eye is stowed with the vehicle tools 209.

Screw in the towing eye as far as it will go until it stops in a horizontal position.

The lashing eye at the rear underneath the vehicle must never be used as a towing eye.

Attach a tow rope – or even better a tow bar – to the towing eye.

The towing eye must only be used for towing and not for recovering a vehicle.

Caution

Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

After towing, unscrew the towing eye. Insert cap at the top and engage downwards.
Appearance care

Exterior care

Locks

The locks are lubricated at the factory using a high quality lock cylinder grease. Use a de-icing agent only when absolutely necessary, as this has a degreasing effect and impairs lock function. After using a de-icing agent, have the locks regreased by a workshop.

Washing

The paintwork of your vehicle is exposed to environmental influences. Wash and wax your vehicle regularly. When using automatic vehicle washes, select a programme that includes waxing. Restrictions for filmed or matt painted body parts or decor tapes, see "Polishing and 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 car wash, comply with the car wash manufacturer's instructions. The windscreen wiper and rear window wiper must be switched off. Remove antenna and external accessories such as roof racks etc.

If you wash your vehicle by hand, make sure that the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the bonnet as well as the areas they cover.

Clean bright metal mouldings with a cleaning solution approved for aluminium to avoid damages.

Caution

Always use a cleaning agent with a pH value of 4 to 9.

Do not use cleaning agents on hot surfaces.

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 painted parts of 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.
Vehicle care

Unpainted plastic body parts must not be treated with wax or polishing agents.
Matt filmed body parts or decor tapes must not be polished, to avoid gleaming. Do not use hot wax programmes in automatic car washes if the vehicle is equipped with these parts.
Matt painted decor parts, e.g. mirror housing cover, must not be polished. Otherwise these parts would become agleam or the colour would be dissolved.

Windows and windscreen wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.
When cleaning the rear window from inside, always wipe in parallel to the heating element to prevent damage.
For mechanical removal of ice, use a sharp-edged ice scraper. Press the scraper firmly against the glass so that no dirt can get under it and scratch the glass.
Clean smearing wiper blades with a soft cloth and window cleaner.
Remove dirt residues from smearing wiper blades by using a soft cloth and window cleaner. Also make sure to remove any residues such as wax, insect residues and similar from the window.
Ice residues, pollution and continuous wiping on dry windows will damage or even destroy the wiper blades.

Sunroof

Never clean with solvents or abrasive agents, fuels, aggressive media (e.g. paint cleaner, acetone-containing solutions etc.), acidic or highly alkaline media or abrasive pads. Do not apply wax or polishing agents to the sunroof.

Wheels and tyres

Do not use high-pressure jet cleaners.
Clean rims with a pH-neutral wheel cleaner.
Rims are painted and can be treated with the same agents as the body.

Paintwork damage

Rectify minor paintwork damage with a touch-up pen before rust forms.
Have more extensive damage or rust areas repaired by a workshop.

Underbody

Some areas of the vehicle underbody have a PVC undercoating while other critical areas have a durable protective wax coating.
After the underbody is washed, check the underbody and have it waxed if necessary.
Bitumen / rubber materials could damage the PVC coating. Have underbody work carried out by a workshop.
Before and after winter, wash the underbody and have the protective wax coating checked.

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Some areas of the vehicle underbody have a PVC undercoating while other critical areas have a durable protective wax coating.

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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.
Liquid gas system

*Danger*

Liquid gas is heavier than air and can collect in sink points.
Take care when performing work at the underbody in a pit.

For painting work and when using a drying booth at a temperature above 60 °C, the liquid gas tank must be removed.
Do not make any modifications to the liquid gas system.

**Towing equipment**

Do not clean the coupling ball bar with a steam-jet or high-pressure jet cleaner.

**Rear carrier system**

Clean the rear carrier system with a steam-jet or high-pressure jet cleaner at least once a year.
Operate the rear carrier system periodically if not in regular use, in particular during winter.

Interior care

**Interior and upholstery**

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.
Clean the leather upholstery with clear water and a soft cloth. In case of heavy soiling, use leather care.
The instrument cluster and the displays should only be cleaned using a soft damp cloth. If necessary use a weak soap solution.
Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.
Clothing fabrics may not be colourfast. This could cause visible discolourations, especially on light-coloured upholstery. Removable stains and discolourations should be cleaned as soon as possible.
Clean seat belts with lukewarm water or interior cleaner.

**Caution**

Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.
The same applies to clothing with sharp-edged objects, like zips or belts or studded jeans.

**Plastic and rubber parts**

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use high-pressure jet cleaners.
In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified. The detailed, up-to-date service schedule for your vehicle is available at the workshop.

Service display 387.

European service intervals

Maintenance of your vehicle is required every 30,000 km or after one year, whichever occurs first. Additional engine oil and filter change is indicated by the engine oil life system, when required earlier than maintenance.

A shorter service interval can be valid for severe driving behaviour, e.g. for taxis and police vehicles.

The European service intervals are valid for the following countries:

Andorra, Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Greenland, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom.

Service display 387.

International service intervals

Maintenance of your vehicle is required every 15,000 km or after one year, whichever occurs first. Additional engine oil and filter change is indicated by the engine oil life system, when required earlier than maintenance.

Severe operating conditions exist if one or more of the following circumstances occur frequently: Cold starting, stop and go operation, trailer operation, mountain driving, driving on poor and sandy road surfaces,
increased air pollution, presence of airborne sand and high dust content, driving at high altitude and large variations of temperature. Under these severe operating conditions, certain service work may be required more frequently than the regular service interval.

The international service intervals are valid for the countries which are not listed in the European service intervals.

Service display 87.

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.

Recommended fluids, lubricants and parts

Recommended fluids and lubricants

Only use products that meet the recommended specifications.

⚠️ Warning

- Operating materials are hazardous and could be poisonous. Handle with care. Pay attention to information given on the containers.

Engine oil

- Engine oil is identified by its quality and its viscosity. Quality is more important than viscosity when selecting which engine oil to use. The oil quality ensures e.g. engine cleanliness, wear protection and oil aging control, whereas viscosity grade gives information on the oil's thickness over a temperature range.

Dexos is the newest engine oil quality that provides optimum protection for petrol and diesel engines. If it is unavailable, engine oils of other listed qualities have to be used. Recommendations for petrol engines are also valid for Compressed Natural Gas (CNG), Liquified Petroleum Gas (LPG) and Ethanol (E85) fuelled engines.

Select the appropriate engine oil based on its quality and on the minimum ambient temperature 239.

Topping up engine oil

⚠️ Caution

- In case of any spilled oil, wipe it up and dispose it properly.

Engine oils of different manufacturers and brands can be mixed as long as they comply with the required engine oil quality and viscosity.
Use of engine oils for all petrol engines with only ACEA quality is prohibited, since it can cause engine damage under certain operating conditions.

Select the appropriate engine oil based on its quality and on the minimum ambient temperature \(\diamond\) 239.

**Additional engine oil additives**
The use of additional engine oil additives could cause damage and invalidate the warranty.

**Engine oil viscosity grades**
The SAE viscosity grade gives information of the thickness of the oil. Multigrade oil is indicated by two figures, e.g. SAE 5W-30. The first figure, followed by a W, indicates the low temperature viscosity and the second figure the high temperature viscosity.

Select the appropriate viscosity grade depending on the minimum ambient temperature \(\diamond\) 239.

All of the recommended viscosity grades are suitable for high ambient temperatures.

**Coolant and antifreeze**
Use only silicate-free long life coolant (LLC) antifreeze. Consult a workshop.

The system is factory filled with coolant designed for excellent corrosion protection and frost protection down to approx. -28 °C. In northern countries with very low temperatures the factory filled coolant provides frost protection down to approx. -37 °C. This concentration should be maintained all year round.

The use of additional coolant additives that intend to give additional corrosion protection or seal against minor leaks can cause function problems. Liability for consequences resulting from the use of additional coolant additives will be rejected.

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

**Brake and clutch fluid**
Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.
Vehicle identification
Vehicle Identification Number

The Vehicle Identification Number is stamped on the identification plate and on the floor pan, under the floor covering, visible under a cover.

The Vehicle Identification Number may be embossed on the instrument panel, visible through the windscreen, or in the engine compartment on the right body panel.
Identification plate

The identification plate is located on the left or right door frame.

Information on identification label:
1: manufacturer
2: type approval number
3: vehicle identification number
4: permissible gross vehicle weight rating in kg
5: permissible gross train weight in kg
6: maximum permissible front axle load in kg
7: maximum permissible rear axle load in kg
8: vehicle-specific or country-specific data

The combined total of front and rear axle loads must not exceed the permissible gross vehicle weight. For example, if the front axle is bearing its maximum permissible load, the rear axle can only bear a load that is equal to the gross vehicle weight minus the front axle load.

The technical data is determined in accordance with European Community standards. We reserve the right to make modifications. Specifications in the vehicle documents always have priority over those given in this manual.

Engine identification

The technical data tables use the engine identifier code. The engine data table additionally shows the engineering code.

Engine data ◊ 242.

To identify the respective engine, refer to the EEC Certificate of Conformity provided with your vehicle or other national registration documents.

The Certificate of Conformity shows the engine identifier code, other national publications may show the engineering code. Check piston displacement and engine power to identify the respective engine.
Vehicle data

Recommended fluids and lubricants

European service schedule

Required engine oil quality

All European countries with European service interval 234

<table>
<thead>
<tr>
<th>Engine oil quality</th>
<th>Petrol engine</th>
<th>All other petrol engines (including CNG, LPG, E85)</th>
<th>Diesel engines</th>
</tr>
</thead>
<tbody>
<tr>
<td>dexos1 Gen2</td>
<td>✔️</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>dexos2</td>
<td>–</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>

All engines except B10XFL, F10XFL, B14NEH and D14NEH: In case dexos quality is unavailable, you may use max. 1 l engine oil quality ACEA C3 for topping up once between each oil change.

Engine oil viscosity grades

All European countries with European service interval 234

<table>
<thead>
<tr>
<th>Ambient temperature</th>
<th>Petrol and diesel engines</th>
</tr>
</thead>
<tbody>
<tr>
<td>down to -25 °C</td>
<td>SAE 0W-30 or SAE 0W-40</td>
</tr>
<tr>
<td></td>
<td>SAE 5W-30 or SAE 5W-40</td>
</tr>
<tr>
<td>below -25 °C</td>
<td>SAE 0W-30 or SAE 0W-40</td>
</tr>
</tbody>
</table>
### International service schedule

#### Required engine oil quality

<table>
<thead>
<tr>
<th>Engine oil quality</th>
<th>Petrol engine</th>
<th>All other petrol engines (including CNG, LPG, E85)</th>
<th>Diesel engines</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B10XFL, F10XFL, B14NEH, D14NEH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>dexos1 Gen2</td>
<td>✔️</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>dexos2</td>
<td>–</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>

In case dexos quality is unavailable, you may use the oil qualities listed below:

<table>
<thead>
<tr>
<th>Engine oil quality</th>
<th>Petrol engine</th>
<th>All other petrol engines (including CNG, LPG, E85)</th>
<th>Diesel engines</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACEA A3/B4</td>
<td>–</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>ACEA C3</td>
<td>–</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>Petrol and diesel engines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>--------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>down to -25 °C</td>
<td>SAE 0W-30 or SAE 0W-40</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SAE 5W-30 or SAE 5W-40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>below -25 °C</td>
<td>SAE 0W-30 or SAE 0W-40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>down to -20 °C</td>
<td>SAE 10W-30\textsuperscript{1)} or SAE 10W-40\textsuperscript{1)}</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\textsuperscript{1)} Permitted, but usage of oils with dexos quality is recommended.
### Engine data

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
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<td>1.0</td>
<td>1.2</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
</tr>
<tr>
<td>Engineering code</td>
<td>B10XFT</td>
<td>B10XFT</td>
<td>B12XER</td>
<td>B14XER</td>
<td>B14XER</td>
<td>B14NEL</td>
</tr>
<tr>
<td>Piston displacement [cm³]</td>
<td>999</td>
<td>999</td>
<td>1229</td>
<td>1398</td>
<td>1398</td>
<td>1364</td>
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<tr>
<td>Engine power [kW]</td>
<td>66</td>
<td>85</td>
<td>51</td>
<td>55</td>
<td>66</td>
<td>74</td>
</tr>
<tr>
<td>at rpm</td>
<td>3700 - 6000</td>
<td>5000 - 6000</td>
<td>5600</td>
<td>4200 - 6000</td>
<td>6000</td>
<td>3500 - 6000</td>
</tr>
<tr>
<td>Torque [Nm]</td>
<td>170</td>
<td>170</td>
<td>115</td>
<td>130</td>
<td>130</td>
<td>200</td>
</tr>
<tr>
<td>at rpm</td>
<td>1800 - 3700</td>
<td>1800 - 4500</td>
<td>4000</td>
<td>4000</td>
<td>4000</td>
<td>1850 - 3500</td>
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<td>Petrol</td>
<td>Petrol</td>
<td>Petrol</td>
<td>Petrol</td>
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<tr>
<td>Octane rating RON²)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td>recommended</td>
<td>95</td>
<td>95</td>
<td>95</td>
<td>95</td>
<td>95</td>
<td>95</td>
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<tr>
<td>possible</td>
<td>91</td>
<td>91</td>
<td>98</td>
<td>98</td>
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<tr>
<td>possible</td>
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<td>98</td>
<td>91</td>
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<td>91</td>
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<tr>
<td>Additional fuel type</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

²) A country-specific label at the fuel filler flap can supersede the engine-specific requirement.
<table>
<thead>
<tr>
<th>Technical data</th>
<th>243</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine identifier code</strong></td>
<td>B14XEL / D14XEL</td>
</tr>
<tr>
<td><strong>Sales designation</strong></td>
<td>1.4 LPG</td>
</tr>
<tr>
<td><strong>Engineering code</strong></td>
<td>B14XER</td>
</tr>
<tr>
<td><strong>Piston displacement [cm³]</strong></td>
<td>1398</td>
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<tr>
<td><strong>Engine power [kW]</strong></td>
<td>66</td>
</tr>
<tr>
<td><strong>at rpm</strong></td>
<td>6000</td>
</tr>
<tr>
<td><strong>Torque [Nm]</strong></td>
<td>130</td>
</tr>
<tr>
<td><strong>at rpm</strong></td>
<td>4000</td>
</tr>
<tr>
<td><strong>Fuel type</strong></td>
<td>Liquid gas / Petrol</td>
</tr>
<tr>
<td><strong>Octane rating RON²)</strong></td>
<td>recommended</td>
</tr>
<tr>
<td>possible</td>
<td>98</td>
</tr>
<tr>
<td>possible</td>
<td>91</td>
</tr>
<tr>
<td><strong>Additional fuel type</strong></td>
<td>Liquid gas (LPG)</td>
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</tbody>
</table>

²) A country-specific label at the fuel filler flap can supersede the engine-specific requirement.
## Technical data

<table>
<thead>
<tr>
<th>Engine identifier code</th>
<th>B13DTC</th>
<th>B13DTE</th>
<th>B13DTE</th>
<th>B13DTR</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
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<td>B13DTC</td>
<td>B13DTE</td>
<td>B13DTE</td>
<td>B13DTR</td>
</tr>
<tr>
<td>Piston displacement [cm$^3$]</td>
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<tr>
<td>Engine power [kW]</td>
<td>55</td>
<td>55</td>
<td>70</td>
<td>70</td>
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<td>at rpm</td>
<td>3750</td>
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<td>3750</td>
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<tr>
<td>Torque [Nm]</td>
<td>190</td>
<td>190</td>
<td>190</td>
<td>210</td>
</tr>
<tr>
<td>at rpm</td>
<td>1500 - 2500</td>
<td>1500 - 2500</td>
<td>1500 - 3500</td>
<td>1500 - 3000</td>
</tr>
<tr>
<td>Fuel type</td>
<td>Diesel</td>
<td>Diesel</td>
<td>Diesel</td>
<td>Diesel</td>
</tr>
<tr>
<td>Additional fuel type</td>
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</table>

## Performance

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>Maximum speed [km/h]</td>
<td></td>
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</tr>
<tr>
<td>Manual transmission</td>
<td>180</td>
<td>195</td>
<td>162</td>
<td>167</td>
<td>175</td>
<td>185</td>
</tr>
<tr>
<td>Manual transmission automated</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>175</td>
<td>–</td>
</tr>
<tr>
<td>Automatic transmission</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>170</td>
<td>–</td>
</tr>
<tr>
<td>Engine</td>
<td>B14XEL LPG / D14XEL LPG /</td>
<td>B14NEH / D14NEH</td>
<td>B16LER</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>--------------</td>
<td>---------------------------</td>
<td>-----------------</td>
<td>--------</td>
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</tr>
<tr>
<td>Maximum speed [km/h]</td>
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<td>Manual transmission</td>
<td>175</td>
<td>207</td>
<td>230</td>
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</tr>
<tr>
<td>Manual transmission automated</td>
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<td>–</td>
<td>–</td>
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</tr>
<tr>
<td>Automatic transmission</td>
<td>–</td>
<td>–</td>
<td>–</td>
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<td></td>
</tr>
<tr>
<td>Engine</td>
<td>B13DTC 55kW</td>
<td>B13DTE 70kW</td>
<td>B13DTR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum speed [km/h]</td>
<td></td>
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<tr>
<td>Manual transmission</td>
<td>164</td>
<td>164</td>
<td>182</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Manual transmission automated</td>
<td>–</td>
<td>–</td>
<td>182</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatic transmission</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td></td>
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</tr>
</tbody>
</table>
## Technical data

### Vehicle weight

Kerb weight, 5-door vehicle, basic model without any optional equipment

<table>
<thead>
<tr>
<th>Engine</th>
<th>Manual transmission</th>
<th>Manual transmission automated</th>
<th>Automatic transmission</th>
</tr>
</thead>
<tbody>
<tr>
<td>B10XFL</td>
<td>1199 / 1249</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>F10XFL</td>
<td>1199 / 1254</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>B10XFT</td>
<td>1199 / 1249</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>B12XEL / D12XEL</td>
<td>1163 / 1210</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>B14XEJ / D14XEJ</td>
<td>1163 / 1211</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>B14XEL / D14XEL</td>
<td>1163 / 1234</td>
<td>1163 / 1234</td>
<td>1199 / 1248</td>
</tr>
<tr>
<td>B14XEL LPG / D14XEL LPG</td>
<td>1237 / 1252</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>B14NEJ / D14NEJ</td>
<td>1237 / 1290</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>B14NEH / D14NEH</td>
<td>1259 / 1317</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Engine</td>
<td>Manual transmission</td>
<td>Manual transmission automated</td>
<td>Automatic transmission</td>
</tr>
<tr>
<td>----------</td>
<td>---------------------</td>
<td>-----------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>without / with air conditioning [kg]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B13DTC</td>
<td>1237 / 1309</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>B13DTE</td>
<td>1225 / 1297</td>
<td>1225 / 1294</td>
<td>–</td>
</tr>
<tr>
<td>B13DTR</td>
<td>1259 / 1317</td>
<td>–</td>
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</tbody>
</table>

Optional equipment and accessories increase the kerb weight.
Loading information  73.
## Technical data

### Kerb weight, 3-door vehicle and van, basic model without any optional equipment

<table>
<thead>
<tr>
<th>Engine</th>
<th>Manual transmission</th>
<th>Manual transmission automated</th>
<th>Automatic transmission</th>
</tr>
</thead>
<tbody>
<tr>
<td>without / with air conditioning [kg]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B10XFL / F10XFL</td>
<td>1163 / 1178</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>B10XFT</td>
<td>1163 / 1178</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>B12XEL / D12XEL</td>
<td>1120 / 1135</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>B14XEJ / D14XEJ</td>
<td>1141 / 1156</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>B14XEL / D14XEL</td>
<td>1141 / 1156</td>
<td>1141 / 1156</td>
<td>1163 / 1178</td>
</tr>
<tr>
<td>B14XEL LPG / D14XEL LPG</td>
<td>1199 / 1214</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>B14NEJ / D14NEJ</td>
<td>1199 / 1214</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>B14NEH / D14NEH</td>
<td>1199 / 1214</td>
<td>–</td>
<td>–</td>
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<tr>
<td>B16LER</td>
<td>1278 / 1293</td>
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</table>
### Optional equipment and accessories increase the kerb weight.

Loading information 73.
## Technical data

### Vehicle dimensions

<table>
<thead>
<tr>
<th></th>
<th>5-door vehicle</th>
<th>3-door vehicle</th>
<th>OPC</th>
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<tbody>
<tr>
<td>Length [mm]</td>
<td>4021</td>
<td>4036</td>
<td>4036</td>
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<tr>
<td>Width without exterior mirrors [mm]</td>
<td>1746</td>
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<td>1736</td>
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<tr>
<td>Width with two exterior mirrors [mm]</td>
<td>1944</td>
<td>1944</td>
<td>1944</td>
</tr>
<tr>
<td>Height (without antenna) [mm]³</td>
<td>1466 - 1516</td>
<td>1466 - 1501</td>
<td>1466 - 1501</td>
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<tr>
<td>Length of load compartment floor [mm]</td>
<td>705</td>
<td>705</td>
<td>705</td>
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<tr>
<td>Length of load compartment with folded rear seats [mm]</td>
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<td>1372</td>
<td>1372</td>
</tr>
<tr>
<td>Load compartment width [mm]</td>
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<td>944</td>
<td>944</td>
</tr>
<tr>
<td>Load compartment height [mm]</td>
<td>876</td>
<td>843</td>
<td>843</td>
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<tr>
<td>Wheelbase [mm]</td>
<td>2510</td>
<td>2510</td>
<td>2510</td>
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<tr>
<td>Turning circle diameter [m]⁴</td>
<td>11.0 - 11.9</td>
<td>11.0 - 11.9</td>
<td>11.0 - 11.9</td>
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³ Depending on options.
⁴ Depending on body- and equipment variants.
### Capacities

#### Engine oil

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</thead>
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<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
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<td>between MIN and MAX [l]</td>
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<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
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</table>

#### Fuel tank

<table>
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<tr>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Petrol/diesel, refilling quantity [l]</td>
<td>45</td>
<td>45</td>
<td>45</td>
<td>45</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>LPG, refilling quantity [l]</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>31</td>
<td>–</td>
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</tr>
</tbody>
</table>
## Tyre pressures

<table>
<thead>
<tr>
<th>Engine</th>
<th>Tyres</th>
<th>Comfort with up to 3 people</th>
<th>ECO with up to 3 people</th>
<th>With full load</th>
</tr>
</thead>
<tbody>
<tr>
<td>B12XEL, D12XEL, B14XEL, D14XEL, B14XEL LPG, D14XEL LPG, B14XEJ</td>
<td>175/70 R14, 185/70 R14, 185/65 R15, 195/55 R16, 215/45 R17</td>
<td>210/2.1 (31)</td>
<td>210/2.1 (31)</td>
<td>270/2.7 (39)</td>
</tr>
<tr>
<td>D14XEJ</td>
<td>175/70 R14, 185/70 R14, 185/65 R15, 215/45 R17</td>
<td>195/55 R16</td>
<td>210/2.1 (31)</td>
<td>230/2.3 (34)</td>
</tr>
<tr>
<td>Engine</td>
<td>Tyres</td>
<td>Comfort with up to 3 people</td>
<td>ECO with up to 3 people</td>
<td>With full load</td>
</tr>
<tr>
<td>-----------------</td>
<td>---------------------</td>
<td>-----------------------------</td>
<td>-------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>front</td>
<td>rear</td>
<td>front</td>
</tr>
<tr>
<td></td>
<td></td>
<td>[kPa/bar] (psi)</td>
<td>[kPa/bar] (psi)</td>
<td>[kPa/bar] (psi)</td>
</tr>
<tr>
<td>B10XFL, F10XFL,</td>
<td>185/65 R15, 195/55 R16, 215/45 R17</td>
<td>230/2.3 (34)</td>
<td>230/2.3 (34)</td>
<td>270/2.7 (39)</td>
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<td>B10XFT, B14NEJ,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D14NEJ</td>
<td></td>
<td></td>
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<td></td>
</tr>
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Customer information

Declaration of conformity

Transmission systems

This vehicle has systems that transmit and / or receive radio waves subject to Directive 2014/53/EU. The manufacturers of the systems listed below declare conformity with Directive 2014/53/EU. The full text of the EU declaration of conformity for each system is available at the following internet address: www.opel.com/conformity.

Importer is
Opel / Vauxhall, Bahnhofsplatz, 65423 Ruesselsheim am Main, Germany.

Antenna

Laird
Daimlerring 31, 31135 Hildesheim, Germany

Operation frequency: N/A
Maximum output: N/A

Infotainment system R4.0 / Navi 4.0
LG Electronics
European Shared Service center B.V., Krijgsman 1, 1186 DM Amstelveen, The Netherlands

Operation frequency (MHz) Maximum output (dBm)
2400.0 - 2483.5 4
2400.0 - 2483.5 13
5725.0 - 5850.0 13

Infotainment system R300 BT
Humax Automotive co. Ltd.
2, Yeongmun-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea

Operation frequency:
2402 - 2480 MHz

Immobiliser
Robert Bosch GmbH
Robert Bosch Platz 1, 70839 Gerlingen, Germany

Operation frequency: 125 kHz
Maximum output:
5.1 dBµA/m @ 10 m
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**Radio remote control transmitter**  
Continental Automotive GmbH  
Siemensstraße 12, 93055  
Regensburg, Germany  
Operation frequency: 433.92 MHz  
Maximum output: -5.7 dBm  
Robert Bosch GmbH

**Parking heater remote control receiver**  
Eberspaecher Climate Control Systems GmbH & Co. KG  
Eberspaecherstrasse 24, 73730  
Esslingen, Germany  
Operation frequency: N/A  
Maximum output: N/A

**Parking heater remote control transmitter**  
Eberspaecher Climate Control Systems GmbH & Co. KG  
Eberspaecherstrasse 24, 73730  
Esslingen, Germany  
Operation frequency: 434.6 MHz  
Maximum output: 10 dBm

**Radio remote control receiver**  
Robert Bosch GmbH  
Robert Bosch Platz 1, 70839  
Gerlingen, Germany

**Tyre pressure sensors**  
Schrader Electronics Ltd.  
11 Technology Park, Belfast Road, Antrim BT41 1QS, Northern Ireland, United Kingdom  
Operation frequency: 433.92 MHz  
Maximum output: 10 dBm
Jack
Translation of the original declaration of conformity
Declaration of conformity according to EC Directive 2006/42/EC
We declare that the product:
Product designation: Jack
Type/GM part number: 13331922
is in compliance with the provisions of Directive 2006/42/EC.
Applied technical standards:
GMN9737 : jacking
GM 14337 : standard equipment jack – hardware tests
GMN5127 : vehicle integrity – hoisting and service station jacking
GMW15005 : standard equipment jack and spare tyre, vehicle test
ISO TS 16949 : quality management systems
The signatory is authorised to compile the technical documentation.
Rüsselsheim, 31st January 2014
signed by
Hans-Peter Metzger
Engineering Group Manager Chassis & Structure
Adam Opel AG
D-65423 Rüsselsheim

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Vehicle data recording and privacy

Event data recorders
Electronic control units are installed in your vehicle. Control units process data which is received by vehicle sensors, for example, or which they generate themselves or exchange amongst themselves. Some control units are necessary for the safe functioning of your vehicle, others assist you while you drive (driver assistance systems), while others provide comfort or infotainment functions.

Operating data in the vehicle
Control units process data for operation of the vehicle.
This data includes, for example:

- Vehicle status information (e.g. wheel rotation rate, speed, movement delay, lateral acceleration, "seatbelts fastened" display),
- Ambient conditions (e.g. temperature, rain sensor, distance sensor).

Most of this data is volatile and is processed only in the vehicle itself, and not beyond the operating time.

Moreover, many control units include data storage device (amongst others the vehicle key). This is used to allow information to be documented temporarily or permanently on vehicle condition, component stress, maintenance requirements and technical events and errors.

The following information, for example, is stored:

- System component operating states (e.g. fill level, tyre pressure, battery status),
- State of charge of the high voltage battery, estimated range (in the case of electric vehicles),
- Faults and defects in important system components (e.g. lights, brakes),
- System reactions in special driving situations (e.g. triggering of an airbag, actuation of the stability control systems),
- Information on events damaging the vehicle.

In special cases (e.g. if the vehicle has detected a malfunction), it may be necessary to save data that would otherwise just be volatile.

When you use services, the operating data saved can be read together with the vehicle identification number and used if necessary. Staff working for the service net-work (e.g. garages, manufacturers) or third parties (e.g. breakdown services) can read the data from the vehicle. Services include repair services, maintenance processes, warranty cases and quality assurance measures.

Data is generally read via the OBD (On-Board Diagnostics) port prescribed by law in the vehicle. The operating data which has been read out documents the technical condition of the vehicle or individual components and assists with fault diagnosis, compliance with warranty obligations and quality improvement. This data, in particular information on component stress, technical events, operator errors and other faults, is transmitted to the manufacturer where appropriate, together with the vehicle identification number. The manufacturer is also subject to product liability. The manufacturer potentially also needs operating data from vehicles for product recalls.

Fault memories in the vehicle can be reset by a service company when carrying out servicing or repairs.

### Comfort and infotainment functions

Comfort settings and custom settings can be stored in the vehicle and changed at any time.
Depending on the equipment level in question, these include

- Seat and steering wheel position settings,
- Chassis and air conditioning settings,
- Custom settings such as interior lighting.

You can input your own data in the infotainment functions for your vehicle as part of the selected features.

Depending on the equipment level in question, these include

- Multimedia data such as music, videos or photos for playback in an integrated multimedia system,
- Address book data for use with an integrated hands-free system or an integrated navigation system,
- Input destinations,
- Data on the use of online services.

This data for comfort and infotainment functions can be stored locally in the vehicle or be kept on a device that you have connected to the vehicle (e.g. a smartphone, USB stick or MP3 player). Data that you have input yourself can be deleted at any time.

This data can only be transmitted out of the vehicle at your request, particularly when using online services in accordance with the settings selected by you.

**Smartphone integration, e.g. Android Auto or Apple CarPlay**

If your vehicle is equipped accordingly, you can connect your smartphone or another mobile device to the vehicle so that you can control it via the controls integrated in the vehicle. The smartphone image and sound can be output via the multimedia system in this case. At the same time, specific information is transmitted to your smartphone. Depending on the type of integration, this includes data such as position data, day / night mode and other general vehicle information. For more information, please see the operating instructions for the vehicle / infotainment system.

Integration allows selected smartphone apps to be used, such as navigation or music playback. No further integration is possible between smartphone and vehicle, in particular active access to vehicle data. The nature of further data processing is determined by the provider of the app used. Whether you can define settings, and if so which ones, is dependent on the app in question and your smartphone's operating system.
Online services

If your vehicle has a radio network connection, this allows data to be exchanged between your vehicle and other systems. The radio network connection is made possible by means of a transmitter device in your vehicle or a mobile device provided by you (e.g. a smartphone). Online functions can be used via this radio network connection. These include online services and applications / apps provided to you by the manufacturer or other providers.

Services of the manufacturer

In the case of the manufacturer's online services, the relevant functions are described by the manufacturer in an appropriate location (e.g. Owner's Manual, the manufacturer's website) and the associated data protection information is provided. Personal data may be used to provide online services. Data exchange for this purpose takes place via a protected connection, e.g. using the manufacturer's IT systems provided for the purpose. Collection, processing and use of personal data for the purposes of preparation of services take place solely on the basis of legal permission, e.g. in the case of the eCall emergency communication system or a contractual agreement, or by virtue of consent.

You can activate or deactivate the services and functions (which are subject to charges to some extent) and, in some cases, the vehicle's entire radio network connection. In particular, this does not include statutory functions and services such as eCall.

Third party services

If you make use of online services from other providers (third parties), these services are subject to the liability and data protection and usage conditions of the provider in question. The manufacturer frequently has no influence over the content exchanged in this regard.

Therefore, please note the nature, scope and purpose of the collection and use of personal data within the scope of third party services provided by the service provider in question.

Radio Frequency Identification (RFID)

RFID technology is used in some vehicles for functions such as tyre pressure monitoring and immobiliser. It is also used in connection with conveniences such as radio remote controls for door locking / unlocking and starting. RFID technology in Opel vehicles does not use or record personal information or link with any other Opel system containing personal information.
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