Introduction

Fuel
- Designation

Engine oil
- Grade
- Viscosity

Tyre pressure
- Tyre size
  - Summer tyres
  - Winter tyres
- Front
- Rear

Weights
- Gross vehicle weight rating
- Kerb weight, basic model
  = Loading
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.
All Opel Service Partners provide first-class service at reasonable prices. Experienced mechanics trained by Opel work according to specific Opel instructions.
The customer literature pack should always be kept ready to hand in the vehicle.

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

Initial drive information

Vehicle unlocking

Unlocking with key

Turn the key in the driver’s door lock. Open the doors by pulling the handles.

Unlocking with remote control

Depending on vehicle configuration:
Press 🛡️ to unlock the front doors. Press again to unlock entire vehicle. Open the doors by pulling the handles.
With 3-button remote control, press 🛡️; only the load compartment is unlocked.
Radio remote control 🛡️ 22, Central locking system 🛡️ 24, Anti-theft alarm system 🛡️ 34.
In brief

**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 44, Seat adjustment 45.

**Backrests inclination**

Pull lever, adjust inclination and release lever. Allow the seat to engage audibly.
Seat position 44, Seat adjustment 45.

**Seat height**

Lever motion
up : seat higher
down : seat lower
Seat position 44, Seat adjustment 45.
**Head restraint adjustment**

Press release button, adjust height, engage.

Head restraints 43.

---

**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 44, Seat belts 53, Airbag system 57.

---

**Mirror adjustment**

**Interior mirror**

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

Interior mirror, Wide view mirror 38.
**Exterior mirrors**

**Manual adjustment**

Swivel mirror in required direction.
Exterior mirrors 36.

**Electric adjustment**

Select the relevant exterior mirror and adjust it by swivelling the control.
Convex exterior mirrors 36,
Electric adjustment 36,
Folding exterior mirrors 37,
Heated exterior mirrors 37.

**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.
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Exterior lighting

Turn outer light switch:

0 : off
☀ : sidelights
★D : headlights
AUTO : automatic light control:
   headlights are switched on
   and off automatically.


Front and rear fog lights

Turn inner light switch:

★D : front fog lights
☆ : rear fog lights

Front and rear fog lights ◀ 112, ◀ 112.

Headlight flash, high beam and low beam

Pull lever.

High beam ◀ 109, Headlight flash ◀ 110.
In brief

Turn and lane-change signals

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

Turn and lane-change signals 111.

Hazard warning flashers

Operated by pressing ⬤.
Hazard warning flashers 111.

Horn

Press ⬤.
Horn 84.
Washer and wiper systems

Windscreen wiper

0: off

AUTO: timed interval wiping or automatic wiping with rain sensor

1: slow

2: fast

Windscreen wiper 85, Wiper blade replacement 184.

Windscreen washer

Pull lever.

short pull: wiper swipes once and washer fluid is sprayed onto the windscreen

long pull: wiper swipes for a few strokes and washer fluid is sprayed onto the windscreen

Windscreen washer 85, Washer fluid 180.

Climate control

Heated rear window

Heating is operated by pressing \(\text{\textdegree}\).

Heated rear window 41.

Heated exterior mirrors

Pressing \(\text{\textdegree}\) also activates the heated exterior mirrors.

Heated exterior mirrors 37.
Demisting and defrosting the windows

Climate control system

- Set temperature control to warmest level.
- Set fan speed to highest level.
- Set air distribution control to V.
- Switch on heated rear window Ü.
- Switch cooling A/C on.
- Open side air vents as required and direct them towards door windows.

Climate control system 116.

Electronic climate control system

Press V.
Temperature and air distribution are set automatically and the fan runs at a high speed.

Electronic climate control system 118.

Transmission

Manual transmission

Reverse: with the vehicle stationary, depress clutch pedal and then pull up the collar 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 150.
In brief

Manual transmission automated

N: neutral
●: drive position
+ : higher gear
- : lower gear
A/M: switch between automatic and manual mode
R: reverse gear. Engage only when vehicle is stationary.

Starting off

Check before starting off

- Tyre pressure and condition ◊ 200, ◊ 246.
- Engine oil level and fluid levels ◊ 177.
- All windows, mirrors, exterior lighting and number plates are free from dirt, snow and ice and are operational.
- Proper position of mirrors, seats and seat belts ◊ 36, ◊ 44, ◊ 54.
- Brake function at low speed, particularly if the brakes are wet.

Starting the engine

- Turn key to position 1.
- Move the steering wheel slightly to release the steering wheel lock.
- Operate clutch and brake.
- Do not operate accelerator pedal.
- Turn the key to position 2 for preheating and wait until control indicator ◊ extinguishes in the Driver Information Centre.
- Turn key to position 3 and release.

Starting the engine ◊ 135.
Stop-start system

An Autostop is indicated when control indicator \(\) illuminates green in the instrument cluster.

Manual transmission

If the vehicle is at low speed or in standstill and certain conditions are fulfilled, activate an Autostop as follows:
- depress the clutch pedal
- move the selector lever to neutral
- release the clutch pedal

To restart the engine, with the selector lever in neutral, depress the clutch pedal.

Manual transmission automated

If the vehicle is at a standstill and certain conditions are fulfilled, activate an Autostop as follows:
- selector lever in position N (or A/M)
- depress brake pedal firmly
- do not accelerate

To restart the engine, with the selector lever in position N (or A/M) and the parking brake released, release the brake pedal.

Stop-start system \(\) 136.

Parking

\(\Delta\) Warning

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply parking brake without pressing 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. On an uphill slope, turn the front wheels away from the kerb.
- If the vehicle is on a downhill slope, engage reverse gear. Turn the front wheels towards the kerb.

Parking
In brief

- Close the windows.
- Remove the ignition key from the ignition switch. Turn the steering wheel until the steering wheel lock is felt to engage.
- Lock the vehicle by pressing on the remote control 24.
- Activate the anti-theft alarm system 34.
- The engine cooling fans may run after the engine has been switched off 176.

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 21, Laying the vehicle up for a long period of time 175.
Keys, doors and windows

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**Keys**

**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 217, Radio remote control 22, Central locking system 24, Starting the engine 135.

**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

Depending on model, the vehicle may use a 2-button or 3-button remote control.

The remote control has a range of approx. five metres. It can be affected by external influences. The hazard warning flashers confirm operation.

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

Fault

If the central locking system cannot be operated with the remote control, it may be due to the following:
- The range is exceeded.
- The battery voltage is too low.
- Frequent, repeated operation of the remote control while not in range, which will require reprogramming by a workshop.
- 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.

Remote control battery replacement

Replace the battery as soon as the range reduces.

Remove screw and open battery compartment by inserting a coin into the slot and twisting.

Replace the battery (battery type CR2016), paying attention to the installation position.

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.
Reattach both halves of cover ensuring it engages correctly. Replace screw and tighten.

**Door locks**

**Anti-theft security lock**

To prevent the front doors from being opened from the outside, open the door and engage the anti-theft security lock. Using a suitable tool, turn the lock switch on the door to the horizontal locked position. The door cannot be opened from outside and can only be opened from inside the vehicle or by using the manual key. To disengage, turn the switch to the unlocked position.

**Manual door locks**

To unlock the front doors manually, turn the key in the driver's door lock. Open the front doors by pulling the handles.

To unlock the rear doors manually, turn the key in the right-hand rear door lock. Open the door by pulling the handle.

Sliding side door(s) 28.
The left-hand rear door is then released using the lever on the inside edge of the door.
Always close the left-hand door before the right-hand door.
Rear doors 32.

Central locking system
Unlocks and locks the front doors, sliding side doors and load compartment.
With the 3-button remote control, the front doors and load compartment (and, depending on vehicle configuration, the sliding side doors) can be unlocked and locked separately.

Note
A short time after unlocking with the remote control the doors are locked automatically if no door has been opened.

Unlocking the vehicle
Operation of central locking system with the remote control is confirmed by the hazard warning flashers. The hazard warning flashers flash once to indicate the vehicle is unlocked, and twice to indicate the vehicle is locked.

Unlocking with 2-button remote control

Unlocking with 3-button remote control

Depending on vehicle configuration:
- Press indre: Front doors and sliding side doors are unlocked.
  Press indre again: Load compartment is also unlocked.
- Press indre: Front doors are unlocked.
  Press indre again: Sliding side doors and the load compartment are also unlocked.
- Press indre: All doors and the load compartment are unlocked.
Locking the vehicle

Close all doors and load compartment. If the doors are not closed properly, the central locking system will not work.

Locking with 2-button remote control

Press 🗝️: All doors and the load compartment are locked.

Press 🗝️: All doors and the load compartment are locked.

Note
Where fitted, alarm monitoring of the passenger compartment 🔒 34 is switched off by pressing and holding 🗝️ (which is confirmed by an audible signal).

If this was done unintentionally, unlock the doors again and press 🗝️ briefly to lock the vehicle.

Locking with 3-button remote control

Load compartment

Locking and unlocking load compartment with 2-button remote control

After unlocking the front doors with 🔒, press 🗝️ again: Load compartment is unlocked.

Press 🗝️ once: Load compartment is locked.
Locking and unlocking load compartment with 3-button remote control

Depending on vehicle configuration:
- Press \( \text{G} \): Load compartment is locked or unlocked.
- Press \( \text{G} \): Load compartment and sliding side doors are locked or unlocked.

Central locking switch

Locks or unlocks the doors and load compartment from inside the passenger compartment.

Press \( \text{G} \) to lock or unlock. LED in switch illuminates when the vehicle is locked.

Depending on version, if the vehicle is driven with an open load compartment, the front doors (and sliding side doors) can still be locked. With the ignition switched on, press and hold \( \text{G} \) for more than five seconds. When closing the rear doors/tailgate, they are locked automatically.

Automatic locking when exiting the vehicle

Depending on version, the \( \text{G} \) switch can also be used to lock all doors and the load compartment automatically when closing the front door and exiting the vehicle:
Remove key from ignition switch then press and hold the \( \text{G} \) switch for more than five seconds; vehicle is locked when the front door is closed.

Automatic locking after driving off \( \text{G} \) 27.

Fault in remote control system

Unlocking
Manually unlock the front door by turning the key in the lock.
Switch on the ignition and press the central locking switch \( \text{G} \) to open all doors and the load compartment.

Locking
Manually lock the front door by turning the key in the lock.
Fault in central locking system

Unlocking
Manually unlock the front door by turning the key in the lock. The other doors can be opened by pulling the interior handles.

Locking
Push inside locking knob of all doors except driver's door. Then close the driver's door and lock it from the outside with the key.

Power door locks

Combi, Bus
For safety, it is possible for the driver to operate the passenger door locks remotely.
All doors must be fully closed and automatic locking deactivated 27.

Warning lights in the appropriate doors extinguish.
To unlock, press 0 side of switch.
Warning lights in the appropriate doors illuminate continuously.

Fault
In the event of a fault in the system, the warning light alongside the switch illuminates continuously and an audible warning will sound.
Check the doors are manually unlocked (interior door lock switches).
If necessary, have the cause of the fault remedied by a workshop.

Automatic locking

Automatic locking after driving off
Depending on version, this security feature can be configured to automatically lock all doors and the load compartment as soon as the vehicle is driven.
Activation
With the ignition switched on, press and hold the central locking switch for approx. five seconds. An audible signal confirms activation.
LED in switch illuminates when the vehicle is locked.

Deactivation
With the ignition switched on, press and hold for approx. five seconds. An audible signal confirms deactivation.

Child locks

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<td>Use the child locks whenever children are occupying the rear seats.</td>
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Press down the child lock, door cannot be opened from the inside. Raise to deactivate.

Doors

Sliding door
Unlock the sliding side door with the remote control or key (if equipped). Open the door by pulling the handle and sliding the door towards the rear. Open and close the sliding side door only when the vehicle is at a standstill with the parking brake applied (on certain models, a warning chime will sound when the sliding side door is open and the parking brake is released).
The sliding side door can be locked from inside the vehicle with the interior lock switch.

Ensure the side door is fully closed and secure before driving the vehicle.

⚠️ Warning

Take care when operating the sliding side door. Risk of injury.

Ensure that nothing becomes trapped during operation and no one is standing within the moving area.

If the vehicle is parked on a slope, open sliding doors may move accidentally on account of their weight.

Close the sliding doors before driving off.

⚠️ Danger

Do not drive with the sliding side door 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.

Central locking system ➥ 24.

Power sliding door

Opening

With vehicle at a standstill and the parking brake applied, press switch on instrument panel to open the power sliding door automatically; the LED in the switch flashes during operation.

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

Stop-start system ➥ 136.

Note

If the parking brake is not applied when the switch is pressed, a warning chime will sound and the power sliding door will not open.

To stop movement at any time, press the switch again. Press once more to continue power sliding door movement.

Note

If the power sliding door is locked from the inside with the child lock active, a warning chime will sound. Unlock the door manually from the inside.

Bus

The engine is restarted automatically when operating the power sliding door switch during an Autostop.

Stop-start system ➥ 136.

Closing

Press switch again; the LED flashes and a chime sounds during operation.
In the event of opening or closing difficulties, e.g. due to frost, press and hold the switch to increase power to the sliding door.

**Warning**

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

Take particular care when the vehicle is parked on a slope: open or close the door fully until it latches into its locking position.

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

**Note**

Do not operate power sliding door too often without engine running as this will discharge the vehicle battery.

---

**Emergency exit**

In an emergency, the sliding side door can be opened manually after releasing the interior handle.

**Reset**

If the door has been opened manually, the power sliding door system must be reset.

Open the sliding side door halfway and move the relevant handle to the first notch position; the warning light

Alternatively, if the vehicle is unlocked, open the door using the exterior handle (depending on model variant). Lift the handle (3) to the second notch position, then slide the door backwards using the handle (2) near the front edge of the door.
illuminates in the instrument panel. Then press the button (1) on the relevant handle. Move the handle back and forth to ensure the door actuator motor operates, then press and hold the switch on the instrument panel to fully close the door; the warning light extinguishes when the system is reset correctly.

**Maintenance**

It is the owner's responsibility to have the drive belt replaced after every 25,000 cycles, and for this purpose a counter is incorporated in the lower B-pillar. The counter is incremented at each opening and closing, it is not possible to reset the counter. Seek the assistance of a workshop. If the drive belt should fail, the door may still be opened and closed manually.

**Fault**

If a system fault is detected when unlocking the doors, an audible warning will sound and the LED in the switch illuminates. Check position of exterior handle. Reset handle if in the open position and use key to operate door locks. Seek the assistance of a workshop if the fault remains.

**Power side step**

- **Warning**
  
  Take care when using the power side step, particularly in wet and cold weather conditions.

The power side step operates automatically when the sliding door is opened or closed.

**Warning**

Ensure there is adequate clearance to allow the power side step to fully extend and retract without obstruction.
The indicator illuminates during operation of the power side step. If it remains illuminated with the door closed, the step has not retracted, or the door has not fully latched into its locking position.

In the event of a failure, manually retract the power side step by unscrewing the orange handwheel located at the rear of the step, ensuring that there are no obstacles preventing closure. When the step is retracted, screw in the orange handwheel. Seek the assistance of a workshop.

Rear doors
Lock and unlock the rear doors with the remote control or key (if equipped).
Central locking system 24, Manual door locks 23.
To open the right-hand rear door, pull the exterior handle.

The right-hand door can also be opened from inside the vehicle by pulling the interior handle.

The left-hand rear door is then released using the lever.

⚠️ Warning
The rear lights may be obscured if the rear doors are open and the vehicle is parked on the roadside.
Make other road users aware of the vehicle, by using a warning triangle or other equipment specified in the road traffic regulations.

The doors are retained in the 90° position by locking stays.
To open the doors to 180° or further (depending on model) release locking stays from the catches on the door frames and swing doors open to the desired position.

When opening the doors to 270°, the doors are retained in the fully open position by magnets on the body side.

⚠️ Warning

Ensure extended opening doors are secured when fully opened. Opened doors may slam closed due to the force of the wind!

When closing the doors, secure each locking stay to the catch on the door frame.

The rear doors can be locked from inside the vehicle with the interior lock switch on the inside of the right-hand door.

Always close the left-hand door before the right-hand door.

**Combi, Bus**

In left-hand drive vehicles, the rear doors are opened from inside the vehicle by pulling the interior handle. In right-hand drive vehicles, from inside the vehicle pull the interior handle on the right-hand door and open, then release the left-hand door by lowering the lever and open. Always close the left-hand door before the right-hand door.

⚠️ Danger

Do not drive with the rear doors 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.
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 the doors. All doors must be closed or the system cannot be activated.

Note
The anti-theft locking system cannot be activated when the hazard warning lights or sidelights are switched on.

Activation and deactivation are not possible with the central locking switch.

Activation
Press 🗓️ twice within three seconds. Hazard warning lights flash five times as confirmation.

Deactivation
Unlock the doors by pressing 🗓️ on the remote control.

Anti-theft alarm system
The anti-theft alarm system is operated in conjunction with the central locking system.

Activation
Press 🗓️ to activate anti-theft alarm system. Hazard warning lights flash twice to confirm activation.

It monitors:
- doors, tailgate, bonnet
- passenger compartment
- load compartment
- ignition
- interruption of alarm siren power supply
If the hazard warning lights do not flash upon activation, a door or the bonnet is not fully closed.

**Note**
Changes to the vehicle interior, e.g. the use of seat covers, and open windows, could impair the function of passenger compartment monitoring.

**Deactivation**
Unlocking the vehicle or switching on the ignition deactivates the anti-theft alarm system. Hazard warning lights flash once to confirm deactivation.

**Note**
If the alarm has been triggered, unlocking the vehicle with the key will not stop the alarm siren. To stop the siren, switch on the ignition. The hazard warning lights will not flash upon deactivation if the alarm has been triggered.

**Activation without monitoring of passenger compartment**
Switch off monitoring of the passenger compartment when people or animals are being left in the vehicle, or if the auxiliary heater 123 is set for a timed or remote controlled start.

Depending on vehicle configuration:
- press and hold ƙ, or
- switch ignition on and off twice quickly, then close doors and activate the anti-theft alarm system

An audible signal will sound as confirmation.
The status will remain until the doors are unlocked.

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

If the vehicle battery is disconnected or its power supply is interrupted, the alarm siren will be triggered. First deactivate the anti-theft alarm system if the vehicle battery must be disconnected.

To silence the alarm siren (if triggered) and therefore deactivate the anti-theft alarm system, reconnect vehicle battery and unlock vehicle with remote control button ƙ (or switch on the ignition).

**Immobiliser**
The system is part of the ignition switch and checks whether the vehicle is allowed to be started with the key being used.
The immobiliser is activated automatically after the key has been removed from the ignition switch and also if the key is left in the ignition switch when the engine is turned off.

If the engine cannot be started, switch off the ignition and remove key, wait approx. two seconds and then repeat the start attempt. If start attempt is unsuccessful, attempt to start the engine using the spare key and seek the assistance of a workshop.

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

**Note**
The immobiliser does not lock the doors. You should always lock the vehicle after leaving it and switch on the anti-theft alarm system 24, 34.

**Exterior mirrors**

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

**Manual adjustment**
Adjust mirrors by swivelling in required direction.
The lower mirrors are not adjustable.

**Electric adjustment**
Switch on ignition to operate electric exterior mirrors.
Select the relevant exterior mirror by switching the control to the left or right, then swivel the control to adjust the mirror.
No mirror is selected when the control is in the centre position.
The lower mirrors are not adjustable.
**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 the button on either system. LED illuminates in button during operation.

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

Climate control system 116.

Electronic climate control system 118.
Interior mirrors

Manual anti-dazzle

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

Wide view mirror

Depending on vehicle, a large convex mirror is located in the front passenger sun visor which helps to increase visibility and reduce blind spots.

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

Caution

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

Power windows

⚠️ Warning
Take care when operating the power windows. Risk of injury, particularly to children.
Keep a close watch on the windows when closing them. Ensure that nothing becomes trapped in them as they move.

Operate the switch for the respective window by pushing to open or pulling to close.
For vehicles with automatic opening feature for the driver's door window; when opening, operate the switch again to stop window movement.
In the event of closing difficulties due to frost or the like, operate the switch several times to close the window in stages.

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

Rear windows

Sliding side windows
Press catch and slide window to open. Ensure catch engages when closing.
Press catch and slide window to open. Ensure catch engages when closing.

**Opening side windows**

Pull handle to open window.

**Note**
Depending on vehicle, some windows may not open fully.

**Emergency exit**

To provide an emergency exit from the vehicle, use hammer 1 to strike glass 2.

Depending on version, emergency exit may be via the roof glass panel 41.

**Rear reversing lens**

A rear reversing lens may be fitted to the rear window.

The rear reversing lens assists the driver when reversing by reducing blind spots.
Heated rear window

Operated by pressing on either system. LED illuminates in button during operation.

Heating works with the engine running and is switched off automatically after a short time.
Climate control system 116.
Electronic climate control system 118.

Sun visors

The sun visors can be folded down or swivelled to the side to prevent dazzling.
If the sun visors have integral mirrors, the mirror covers should be closed when driving.
Sun visors may also feature a holder for parking tickets etc.
Wide view mirror 38.

Roof

Glass panel

Depending on model variant, the load compartment may incorporate a single or a double glass roof panel.
Emergency exit

In an emergency, the glass can be broken. Use the hammer provided to strike the glass panel.
Depending on version, emergency exit may alternatively be via the side windows 39.
Seats, restraints

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Head restraints

Position

⚠️ Warning

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

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

Adjustment

Pull up to raise or press button and lower head restraint. Ensure the head restraint engages.
Seats, restraints

Depending on version, head restraints can also be tilted forwards or backwards. Push or pull the lower part of the head restraint to adjust.

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

**Removal**

E.g. when using a child restraint system \(\text{\(\Rightarrow\)}\) 63.
First tilt the backrest forwards, then pull up head restraint to uppermost position. Press both release buttons and pull the head restraint upwards to remove.

Stow head restraints securely in load compartment.
Do not drive with head restraints removed if the seat is occupied.

**Installation**
First tilt the backrest forwards, then insert the rods of the head restraint into their holes.
Lower head restraint as far as possible, then raise head restraint (press both release buttons first, if necessary) until it engages securely in desired position.

---

**Front seats**

**Seat position**

<table>
<thead>
<tr>
<th>Warning</th>
<th>Only drive with the seat correctly adjusted.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danger</td>
<td>Do not sit nearer than 25 cm from the steering wheel, to permit safe airbag deployment.</td>
</tr>
<tr>
<td>Warning</td>
<td>Never adjust seats while driving as they could move uncontrollably.</td>
</tr>
<tr>
<td>Warning</td>
<td>Never store any loose objects under the seats. Underseat storage, storage box (\text{(\Rightarrow)}) 74.</td>
</tr>
</tbody>
</table>
† Sit with buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that legs are slightly angled when pressing the pedals. Slide the front passenger seat as far back as possible.

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

† Sit with shoulders as far back against the backrest as possible. Set the backrest rake so that it is possible to 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 84.

† Adjust the head restraint 43.

† Adjust the height of the seat belt 54.

† Adjust the lumbar support so that it supports the natural shape of the spine 45.

**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.
Seats, restraints

Suspension seat 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

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

Suspension seat backrest inclination

Pull lever, adjust inclination and release lever. Allow the seat to engage audibly.
**Seat height**

Lever pumping motion
up : seat higher
down : seat lower

**Suspension seat height**

Pull up front release lever up to adjust height of front part of seat.
Pull up rear release lever to adjust height of rear part of seat.

**Lumbar support**

Adjust lumbar support to suit personal requirements.
Increasing and decreasing support: turn the handwheel while relieving the load on the backrest.
Seats, restraints

Suspension seat lumbar support
Adjust lumbar support to suit personal requirements.
Operate hand pump repeatedly (located on underside of unit) to increase firmness.
Press release button (located at front of unit) to decrease firmness.

Suspension seat sensitivity
Rotate knob to adjust the sensitivity of the suspension seat.
turn right : more stiff
turn left : less stiff

Swivel seat adjustment
Seat positioning
Move handle 2, slide seat, release handle.
Try to move the seat back and forth to ensure that the seat is locked in place.

Seat backrests
Pull lever 1, adjust inclination and release lever. Allow the seat to engage audibly.

Seat base angle
Move handle 3 to adjust angle of seat base.
Lumbar support
Adjust lumbar support to suit personal requirements.
Operate hand pump 8 repeatedly (located on underside of unit) to increase firmness.
Press release button 7 to decrease firmness.

Seat base positioning
Lift handle 5, move seat base backwards or forwards, release handle.

Armrests
To adjust the height of the armrests, turn control knob 4 or 9.

Swivelling the seat
The driver's seat can be swivelled up to 180° from the forward-facing position, e.g. for easier access to the load compartment area when the vehicle is stationary and the engine is switched off.
Before swivelling the seat, make the following preparations:
- Unfasten seat belt.
- Fold up the armrests.
- Slide seat as far back as possible.
- Set seat base angle to its lowest position.
- Adjust backrest inclination to vertical position.
- Open the driver's door.
Lift handle 6, swivel seat from the forward-facing position, release handle.
Always return the seat to the forward-facing position before driving and ensure the seat is locked in place before starting off.

Armrest
Armrests can be folded up when not required.
Heating

Press for the respective seat; LED in switch illuminates. Press other end of rocker switch to turn seat heating off.

Vehicles with suspension seat: switch is located below the backrest release lever on the outboard side of the seat.

Seat heating is thermostatically controlled and switches off automatically when seat temperature is sufficient. LED also illuminates when the system is on, not just when heating is active.

Rear seats

Rear seat access

To facilitate access to the 3rd row seats (where fitted), open sliding side door and pull release lever on folding access seat in the 2nd row and fold the seat backrest forwards. If necessary, unfasten seat belts from their buckles.
\[\text{\textbf{Warning}}\]

Ensure that the backrest returns to its correct position and the seat belt buckles are fastened securely.

Fastening and unfastening seat belt \(\S\) 54.
Sliding door \(\S\) 28.

\textbf{Removable rear seats}

\[\text{\textbf{Warning}}\]

When rear seats are being removed, keep hands and feet away from the moving area.
Never remove seats while driving as they could move uncontrollably.
Ensure that the rear seats and backrests are fully engaged before occupying the rear seats.

\textbf{Removal}
On some variants, the load compartment area can be increased by removing the rear seats.

\[\text{\textbf{Warning}}\]

Removable rear seats are heavy! Do not attempt to remove without assistance.

\begin{itemize}
  \item Pull up lever 1 on both sides of the seat; the pins 2 visibly protrude to indicate that the seat is unlocked.
  \item Move the seat towards the rear to release from the floor anchor points.
  \item Lift seat to remove.
\end{itemize}

\textbf{Installation}

When re-installing seats, always ensure that the row with the folding access seat B is positioned correctly in front of the fixed seat row A.

\[\text{\textbf{Caution}}\]

The 2nd and 3rd row seats are not interchangeable and must be fitted back into their original position.
Note
Make sure that the anchor points are clean before installing the seat. They should be free from grit or any other item which may prevent the seat from locking securely.

Position the seat guides immediately behind the front floor anchor points, and slide forwards to engage.

The seat locks automatically and the pins 3 will no longer be visible, to indicate that the seat is locked.

Caution
When installing the rear seats, ensure they are properly located on the floor anchor points and that the locking catches are fully engaged.

Consult a workshop if the seats cannot be locked securely in position.

Bus Removal

⚠️ Warning
Removable rear seats are heavy! Do not attempt to remove without assistance.

Using the tool from the tool kit located in the glovebox, turn levers to unlock the seat:

1. Release the outboard fixing.
2. Release the inboard fixing (located at the base of the seat).
3. Lift the seat from the rear.
4. Pull the seat towards the centre of the vehicle to release the seat completely from its anchor points.

Installation

Note
Make sure that the anchor points are clean before installing the seat. They should be free from grit or any other item which may prevent the seat from locking securely.

1. Position the seat over the anchor points.
2. Lower the seat until it audibly engages in the anchor points.
3. Ensure the seat is locked securely in position by trying to move the seat back and forth and from left to right.
   Repeat installation procedure if necessary.
Consult a workshop if the seat cannot be locked securely in position.

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 63.
Periodically check all parts of the belt system for damage and proper functionality.
Have damaged components replaced. After an accident, have the belts and triggered belt 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

Depending on version, both front seats may be equipped with a seat belt reminder, indicated by control indicator X in the instrument panel 93, 96.

Belt force limiters

On the front 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 ⚠️ 96.

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

Note

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

Three-point seat belt

Seat belts on the front seats

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 whilst driving by pulling the shoulder belt.

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

⚠️ Warning

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

Seat belt reminder ⚠️ 96.
Height adjustment

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

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

⚠️ Warning

Do not adjust while driving.

Unfasten

To unfasten belt, press red button on belt buckle. The seat belt retracts automatically.
Seat belts on the rear seats

Withdraw belt 1 from the retractor, guide it untwisted across the body and ensure that latch plate 2 is fully engaged in its buckle 3 by pulling on the latch plate 2.

The lap belt 5 must be worn closely over the thighs and against the pelvis.

To tighten, pull on free section 6 of the belt. To loosen, turn adjusting buckle 4 until it is at 90° to the belt and press the adjusting buckle 4 while pulling lap belt 5.

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

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
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<tbody>
<tr>
<td>The belt must not rest against hard or fragile objects in the pockets of your clothing.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ensure that the rear seats and backrests are fully engaged before occupying the rear seats. Rear seats 50.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>To avoid damage to the vehicle, always fasten the rear seat belts even if the seats are not occupied.</td>
</tr>
</tbody>
</table>

Using the seat belt while pregnant

To unfasten, press red button on belt buckle 3 to release the latch plate 2. Guide the seat belt 1 as it retracts automatically.
### Warning

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

---

## Airbag system

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

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

### Warning

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

---

### Note

The airbag systems and belt pretensioner control electronics are located in the centre console area.

Do not put any magnetic objects in this area.

Do not fix any objects onto the airbag covers and do not cover them with other materials.

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

When the airbags inflate escaping hot gases may cause burns.

Control indicator \( \checkmark \) for airbag systems \( \checkmark \) 96.

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

Warning according to ECE R94.02:
EN: NEVER use a rear-facing child restraint system 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.

NO: Bakovervendt barnesikringsutstyr må ALDRI brukes på et sete med AKTIV KOLLISJONSPUTE foran, da det kan føre til at BARNET utsettes for LIVSFAR 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 tylem do kierunku jazdy na fotelu, przed którym znajduje się WŁAŻONA PODUSZKA POWIETRZNA. Niezastosowanie się do tego zalecenia może być przyczyną ŚMIERCI lub POWAŻNYCH OBRAŻEŃ u DZIECKA.

TR: Arkaya bakani bir çocuk emniyet sistemini KESİNLIKLE önünde bir AKTİF HAVA YASTIĞI ile korunmakta olan bir koltukta kullanmayıınız. ÇOCUK ÖLEBİLİR veya Ağır ŞEKLİDE YARALANABİLİR.

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

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

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

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

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

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

BG: НИКОГА не използвайте детска седалка, гледаща назад, върху седалка, която е защитена чрез АКТИВНА ВЪЗДУШНА ВЪЗГЛАВНИЦА пред нея - може да се стигне до СМЪРТ или СЕРИОЗНО НАРАНЯВАНЕ на ДЕТЕТО.

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

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

SK: NIKDY nepoužívajte detskú sedačku otočenú vzad na sedadle chránenom AKTÍVNYM AIRBAGOM, pretože môže dôjsť k SMRTI alebo VÁŽNYM ZRANENIAM DIEŤA.TA.

LT: JOKIU BŪDU nemontuokite atgal atgręžtos vaiko tvirtinimo sistemos sėdynėje, prieš kurią įrengta AKTYVI ORO PAGALVĖ, nes VAIKAS GALI ŽŪTI arba RIMTAI SUSIŽALOTI.
LV: NEKĀDĀ GADĪJUMĀ neizmantojiet uz aizmuguri vērstu bērnu sēdeklīti sēdvietā, kas tiek aizsargāta ar tās priekšā uzstādītu AKTĪVU DROŠĪBAS SPILVENU, jo pretējā gadījumā BĒRNS var gūt SMAGAS TRAUMAS vai IET BOJĀ.

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

MT: QATT tuża trażżin għat-tfal li jħares lejn in-naħa ta' wara fuq sit protett b'AIRBAG ATTIV quddiemu; dan jista' jikkawża l-MEWT jew ĠRIEĦI SERJI li-t-ΤFAL.

Beyond the warning required by ECE R94.02, for safety reasons a forward-facing child restraint system must only be used subject to the instructions and restrictions in the table 65.

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

<table>
<thead>
<tr>
<th>△ Danger</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Do not use a child restraint system on the passenger seat with active front airbag.</td>
<td></td>
</tr>
</tbody>
</table>

Airbag deactivation 61.

**Front airbag system**

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

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

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

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

<table>
<thead>
<tr>
<th>△ Warning</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Optimum protection is only provided when the seat is in the proper position.</td>
<td></td>
</tr>
<tr>
<td>Seat position 44.</td>
<td></td>
</tr>
<tr>
<td>Keep the area in which the airbag inflates clear of obstructions.</td>
<td></td>
</tr>
<tr>
<td>Fasten the seat belt correctly and engage securely. Only then is the airbag able to protect.</td>
<td></td>
</tr>
</tbody>
</table>
Side airbag system

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

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

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

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

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

Airbag deactivation

Front airbag and side airbag systems for the front passenger seat must be deactivated if a child restraint system is to be fitted on this seat, in accordance with the instructions in the child restraint installation location tables 65.

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

The front passenger airbag system can be deactivated via a switch on the side of the instrument panel.
With the ignition off, open the front door, push switch in and rotate anti-clockwise to the **OFF** position.

Front passenger seat airbags are deactivated and will not inflate in the event of a collision. Control indicator 96 illuminates continuously in the instrument panel and a corresponding message appears in the Driver Information Centre 102. A child restraint system can be installed in accordance with the installation locations chart 65. An adult must not occupy the front passenger seat.

**Danger**

Deactivate passenger airbag only in combination with the use of a child restraint system, subject to the instructions and restrictions in the table 65.

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

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

If control indicator remains illuminated together with , this indicates a fault within the system. The switch position may have been changed inadvertently with the ignition on. Turn ignition off and on again and reset the switch position. If  and still remain illuminated, seek the assistance of a workshop.

Change status only when the vehicle is stopped with the ignition off. Status remains until the next change.

Control indicator for airbag deactivation 96.
Child restraints

Child restraint systems

⚠️ Warning
When using a child restraint system on the front passenger seat, the airbag systems for the front passenger seat must be deactivated; if not, the triggering of the airbags poses a risk of fatal injury to the child.
This is especially the case if rear-facing child restraint systems are used on the front passenger seat.

Airbag deactivation ◇61.
Airbag label ◇57.
We recommend a child restraint system which is tailored specifically to the vehicle. For further information, contact your workshop.
When a child restraint system is being used, pay attention to the following usage and installation instructions and also those supplied with the child restraint system.

Always comply with local or national regulations. In some countries, the use of child restraint systems is forbidden on certain seats.
Child restraint systems can be fastened with:
- Three-point seat belt
- ISOFIX brackets
- Top-Tether

Three-point seat belt
Child restraint systems can be fastened by using a three-point seat belt ◇54.
Depending on the size of the used child restraint systems and the model variant, child restraint systems can be attached to certain 2nd row and 3rd row rear seats ◇65.

ISOFIX child restraint systems
Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX mounting brackets.
When using ISOFIX mounting brackets for seat mounting, universally approved child restraint systems for ISOFIX may be used.
A Top-Tether strap must be used in addition to the ISOFIX mounting brackets.
Permissible mounting location positions for ISOFIX child restraint systems are marked in the tables by ◇, IL and IUF.
Top-Tether fastening eyes

Top-Tether fastening eyes are located on the back of the seat. In addition to the ISOFIX mounting, fasten the Top-Tether strap to the Top-Tether fastening eyes. The strap must run between the two guide rods of the head restraint.

ISOFIX child restraint systems of universal category positions are marked in the table by IUF 65.

Selecting the right system

The rear seats are the most convenient location to fasten a child restraint system. Children should travel facing rearwards in the vehicle as long as possible. This makes sure that the child's backbone, which is still very weak, is under less strain in the event of an accident.

Suitable are restraint systems that comply with valid UN ECE regulations. Check local laws and regulations for mandatory use of child restraint systems.

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

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

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

When the child restraint system is not in use, secure the seat with a seat belt or remove it from the vehicle.

Note
Do not affix anything on the child restraint systems and do not cover them with any other materials.

A child restraint system which has been subjected to stress in an accident must be replaced.
Child locks 28.
# Child restraint installation locations

## Permissible options for fitting a child restraint system

### Front seats - All variants

<table>
<thead>
<tr>
<th>Weight and age class</th>
<th>Single seat - front passenger side&lt;sup&gt;1)&lt;/sup&gt;</th>
<th>Bench seat - front passenger side</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>without airbag</td>
<td>with airbag</td>
</tr>
<tr>
<td>Group 0: up to 10 kg</td>
<td>U</td>
<td>U&lt;sup&gt;2)&lt;/sup&gt;</td>
</tr>
<tr>
<td>or approx. 10 months</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group 0+: up to 13 kg</td>
<td>U</td>
<td>U&lt;sup&gt;2)&lt;/sup&gt;</td>
</tr>
<tr>
<td>or approx. two years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group I: 9 to 18 kg</td>
<td>U</td>
<td>U&lt;sup&gt;2)&lt;/sup&gt;</td>
</tr>
<tr>
<td>or approx. eight months to four years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group II: 15 to 25 kg</td>
<td>U</td>
<td>U&lt;sup&gt;2)&lt;/sup&gt;</td>
</tr>
<tr>
<td>or approx. three to seven years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group III: 22 to 36 kg</td>
<td>U</td>
<td>U&lt;sup&gt;2)&lt;/sup&gt;</td>
</tr>
<tr>
<td>or approx. six to 12 years</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

1) If adjustable, ensure seat is in its rearmost position. Make sure vehicle seat belt is as straight as possible between shoulder and upper anchorage point.

2) Ensure the front passenger airbag system is deactivated when installing a child restraint in this position.
Seats, restraints

Doublecab - rear seats

<table>
<thead>
<tr>
<th>Weight and age class</th>
<th>2nd row seats</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Outer</td>
</tr>
<tr>
<td>Group 0: up to 10 kg</td>
<td>U</td>
</tr>
<tr>
<td>or approx. 10 months</td>
<td></td>
</tr>
<tr>
<td>Group 0+: up to 13 kg</td>
<td>U</td>
</tr>
<tr>
<td>or approx. two years</td>
<td></td>
</tr>
<tr>
<td>Group I: 9 to 18 kg</td>
<td>U</td>
</tr>
<tr>
<td>or approx. eight months to four years</td>
<td></td>
</tr>
<tr>
<td>Group II: 15 to 25 kg</td>
<td>U</td>
</tr>
<tr>
<td>or approx. three to seven years</td>
<td></td>
</tr>
<tr>
<td>Group III: 22 to 36 kg</td>
<td>U</td>
</tr>
<tr>
<td>or approx. six to 12 years</td>
<td></td>
</tr>
<tr>
<td>Weight and age class</td>
<td>2nd row seats</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------</td>
</tr>
<tr>
<td></td>
<td>Driver side</td>
</tr>
<tr>
<td></td>
<td>outer seat</td>
</tr>
<tr>
<td>Driver side outer seat</td>
<td>X</td>
</tr>
<tr>
<td>Driver side centre seat</td>
<td>X</td>
</tr>
<tr>
<td>Passenger side outer seat</td>
<td>X</td>
</tr>
</tbody>
</table>

**Group 0: up to 10 kg**  
or approx. 10 months

U³), ⊕

**Group 0+: up to 13 kg**  
or approx. two years

U⁴), ⊕

**Group I: 9 to 18 kg**  
or approx. eight months to four years

U⁴), ⊕

**Group II: 15 to 25 kg**  
or approx. three to seven years

U⁴)

**Group III: 22 to 36 kg**  
or approx. six to 12 years

UF⁴)

---

³) Move the front seat as far forward as possible to install a rear facing child seat, then move back the seat in front in accordance with the child seat instructions.

⁴) Forward facing child seat; position the seatback of the child seat in contact with the seatback of the vehicle seat. Adjust the height of the headrest or remove it if necessary; do not push the seat in front of the child more than halfway back on its runners and do not recline the seatback more than 25°.
<table>
<thead>
<tr>
<th>Weight and age class</th>
<th>Rear seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 0: up to 10 kg</td>
<td></td>
</tr>
<tr>
<td>or approx. 10 months</td>
<td></td>
</tr>
<tr>
<td>Group 0+: up to 13 kg</td>
<td>X</td>
</tr>
<tr>
<td>or approx. two years</td>
<td></td>
</tr>
<tr>
<td>Group I: 9 to 18 kg</td>
<td>X</td>
</tr>
<tr>
<td>or approx. eight months to four years</td>
<td></td>
</tr>
<tr>
<td>Group II: 15 to 25 kg</td>
<td></td>
</tr>
<tr>
<td>or approx. three to seven years</td>
<td>X</td>
</tr>
<tr>
<td>Group III: 22 to 36 kg</td>
<td></td>
</tr>
<tr>
<td>or approx. six to 12 years</td>
<td></td>
</tr>
</tbody>
</table>
### Crew cab - rear seats

#### Weight and age class | 2nd row seats
---|---
---|---
**Group 0: up to 10 kg**
or approx. 10 months | **Outer**<br>U  
**Centre**<br>X
**Group 0+: up to 13 kg**
or approx. two years | **Outer**<br>U  
**Centre**<br>X
**Group I: 9 to 18 kg**
or approx. eight months to four years | **Outer**<br>U  
**Centre**<br>X
**Group II: 15 to 25 kg**
or approx. three to seven years | **Outer**<br>U  
**Centre**<br>X
**Group III: 22 to 36 kg**
or approx. six to 12 years | **Outer**<br>U  
**Centre**<br>X

**U**: suitable for universal category restraint systems for use in this weight and age class, in conjunction with three-point seat belt.

**UF**: suitable for universal category forward-facing restraint systems for use in this weight and age class, in conjunction with three-point seat belt.

**+**: suitable for ISOFIX child restraint system with mounting brackets and anchorage points, where fitted. When mounting an ISOFIX child restraint system, only systems that have been approved for the vehicle may be used. Refer to "Permissible options for fitting an ISOFIX child restraint system".

**X**: seat position not suitable for children in this weight and age class.
## Permissible options for fitting an ISOFIX child restraint system

### Combi

<table>
<thead>
<tr>
<th>Weight class</th>
<th>Size class</th>
<th>Fixture</th>
<th>Front seats</th>
<th>2nd row seats</th>
<th>3rd row seats</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Driver side outer seat</td>
<td>Centre seat</td>
</tr>
<tr>
<td><strong>Group 0: up to 10 kg</strong> or approx. 10 months</td>
<td>E</td>
<td>ISO/R1</td>
<td>X</td>
<td>IL</td>
<td>X</td>
</tr>
<tr>
<td><strong>Group 0+: up to 13 kg</strong> or approx. two years</td>
<td>E</td>
<td>ISO/R1</td>
<td>X</td>
<td>IL</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>D</td>
<td>ISO/R2</td>
<td>X</td>
<td>IL</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>ISO/R3</td>
<td>X</td>
<td>IL</td>
<td>X</td>
</tr>
<tr>
<td><strong>Group I: 9 to 18 kg</strong> or approx. eight months to four years</td>
<td>D</td>
<td>ISO/R2</td>
<td>X</td>
<td>IL</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>ISO/R3</td>
<td>X</td>
<td>IL</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>ISO/F2</td>
<td>X</td>
<td>IL, IUF</td>
<td>IL, IUF</td>
</tr>
<tr>
<td></td>
<td>B1</td>
<td>ISO/F2X</td>
<td>X</td>
<td>IL, IUF</td>
<td>IL, IUF</td>
</tr>
<tr>
<td></td>
<td>A</td>
<td>ISO/F3</td>
<td>X</td>
<td>IL, IUF</td>
<td>IL, IUF</td>
</tr>
</tbody>
</table>

**IL** : suitable for particular ISOFIX restraint systems of the "specific-vehicle", "restricted" or "semi-universal" categories. The ISOFIX restraint system must be approved for the specific vehicle type.

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

**X** : no ISOFIX child restraint system approved in this weight class.
**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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Storage compartments

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

Instrument panel storage

Storage compartments, pockets and trays are located in the instrument panel.
A phone holder and/or a coin holder with a clip for holding tickets is located on the top of the instrument panel.
The tray located centrally on top of the instrument panel has a lid.

Document holder

Withdraw the document holder from the instrument panel by pulling the base towards you and then swivelling it downwards.
To fold away, raise the base until the document holder is horizontal, then push fully in.

**Glovebox**

The glovebox should be closed whilst driving.

Glovebox cooler ◊ 130.

**Cupholders**

Cupholders are located at either end of the instrument panel and centrally in the lower instrument panel. The cupholders can also be used to hold the portable ashtray unit ◊ 89.

Additionally, cupholders may be located in the rear side of the front centre passenger seat. Folding passenger seatback ◊ 73. Depending on model, cupholders may also be located in the lower front part of the rear seats.

**Front storage**

Depending on model, coat hooks or storage nets may be located on the cabin bulkhead. The front door pockets contain bottle holders.

**Folding front centre passenger seatback**

Pull backrest release lever on the front centre passenger seat towards front of vehicle before folding down the backrest to the horizontal position. The rear side of the backrest features storage compartments, cupholders and a swivelling shelf, which can be used for writing or documents. Return the swivelling shelf to its original position before pulling backrest release lever and raising the backrest.
Overhead console

The total weight in these compartments must not exceed 5 kg.

Underseat storage

Using the two loops on the passenger seat cushion, pull the cushion forwards to gain access to the storage under the seat.

Rear bench seat

Raise seat base at front and remove to gain access to storage compartment under the bench seat. Depending on model, bench seats may also contain storage compartments at the lower front part of the seat and a storage net on the outboard side of the seat.
Overcab storage

The total weight in this compartment must not exceed 35 kg.

Rear storage

Combi, Bus
Objects can be stored in the overhead storage compartments above the rear passenger seats.
The total weight must not exceed 20 kg evenly distributed.

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.

Lashing eyes

Use the grab handles, located beside the rear and sliding side door(s), to assist during entry and exit of the load compartment.

Lashing eyes are mounted in the load compartment to enable cargo to be secured in position using lashing straps or a luggage floor net.
Lashing eyes may be located on the vehicle floor and/or in the sidewall. The number and location of the lashing eyes may vary depending on the vehicle.

The maximum force applied to the lashing eyes should not exceed 625 daN/6.25 kN/6250 N. Depending on country, the maximum force (e.g. 500 daN/5 kN/5000 N) may be shown on a label.

**Note**
Specifications on the label always have priority over those given in this manual.

Loading information 81.

**Removable lashing eyes**

The removable lashing eyes can be secured to the side, floor or roof load rails. Refer to "Cargo management system" below for further information. To reposition, press down on the centre cap and slide to the desired position. Ensure the lashing eyes engage correctly in the recesses.

Loading information 81.

**Cargo management system**

Depending on vehicle, objects in the load compartment can be secured into position or prevented from sliding excessively by attaching the appropriate cargo management feature to the side, floor or roof load rails using removable lashing eyes (if required).

Lower and also upper side load rails may be present, depending on version.

**Moveable partition wall**

The moveable partition wall can be used between the floor and roof load rails.
To move, pull down on the latch to release and position the wall as required. Ensure the latch engages fully and the partition wall is upright.

Store the partition wall to one side of the load compartment when not in use.

Telescopic blocking bars

The telescopic blocking bars can be used in a vertical position, secured to the floor and roof load rails or in a horizontal position, secured to the side load rails.

Ensure the blocking bars are fully engaged in the load rails before loading the vehicle.

To release, press down on the lock and slide the bar at the same time.

The maximum loading for the side load rails is 100 daN/700 mm.

Blocking capacity: 300 kg.
Blocking bar with safety net

The blocking bar can be secured to the upper side load rails; rotate handle to fix blocking bar into position. Ensure blocking bar engages fully.

The integrated safety net can then be attached to the removable lashing eyes in the side and floor load rails (see illustration).

Ratchet straps

Using the appropriate ratchet straps, objects can be secured in position using the removable lashing eyes in the side or floor load rails.

The maximum loading for the floor load rails is 500 daN/700 mm. Lashing capacity: 800 daN in strapping.
Steel fastener capacity: 170 daN in direct tension.

The maximum loading for the side load rails is 100 daN/700 mm. Lashing capacity: 300 daN in strapping.
Removable lashing eyes 75,
Loading information 81.
Safety net

Lower the safety net from the roof area and attach to the lashing eyes in the vehicle floor 75.
Adjust the tension on the straps to ensure the load is secure.
When not in use the safety net should be stored in the roof area.
Loading information 81.

Load compartment grille

Vehicles with a window in the cabin bulkhead may include a metal grille on the load compartment side.
The grille provides protection from load compartment objects being thrown around in the event of hard braking, a sudden change in direction or an accident.

Warning triangle

Depending on version, the windows in the rear door and sliding side door(s) also contain window guards, for additional protection and security.
Loading information 81.

Warning triangle

The warning triangle can be accommodated in the space under the front seats.
Underseat storage 74.
First aid kit
As a visible indication of the presence of a first aid kit, a label may be located on the overhead console \( \textcircled{74} \). The first aid kit can be accommodated in the space under the front seats.

Using the two loops on the seat cushion, pull the cushion forwards to gain access.
Underseat storage \( \textcircled{74} \).
Depending on version, the first aid kit may alternatively be located in the space between the front seats or in the overhead console.

Fire extinguisher
As a visible indication of the presence of a fire extinguisher, a label may be located on the overhead console \( \textcircled{74} \).
The fire extinguisher can be accommodated in the space under the front seats. Using the two loops on the seat cushion, pull the cushion forwards to gain access.
Underseat storage \( \textcircled{74} \).
Depending on version, the fire extinguisher may alternatively be located in the space between the front seats.

An additional fire extinguisher may be located in the front door panel or in the load compartment.
Roof rack system

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

Loading information

- Heavy objects in the load compartment should be evenly distributed and placed as far forward as possible. If objects can be stacked, the heavier objects should be placed at the bottom.
- Secure objects with lashing straps attached to lashing eyes 75.
- Secure objects into position or prevent loads from sliding excessively by attaching optional cargo management features to the load rails using removable lashing eyes. Cargo management system 76.
- Secure loose objects in load compartment to prevent them from sliding.
- 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. In addition, the number plate is only distinguishable and illuminated correctly if the doors are closed.

⚠️ 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 225) 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 (which includes the weight of the roof rack) is 200 kg for standard roof variants. The roof load is the combined weight of the roof rack and the load.
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Vehicle messages ....................... 103
Warning chimes ......................... 103
Trip computer .......................... 104
Tachograph ............................. 106
Controls

Steering wheel adjustment

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

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

Steering wheel controls

The cruise control and speed limiter can be operated via the controls on the steering wheel.

Cruise control and speed limiter 159.

Horn

Press ⬅️.

The horn will sound regardless of ignition switch position.

Steering column controls

The Infotainment system can also be operated via the controls on the steering column.

Further information is available in the Infotainment manual.
Windscreen wiper/washer

Windscreen wiper

0: Off
%/AUTO: Timed interval wiping or automatic wiping with rain sensor
1: Slow
2: Fast

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

Note
During driving, wiper speed is reduced automatically when the vehicle is at a standstill. As soon as the vehicle starts to move, wiping returns to the selected speed unless the lever has been moved.

Adjustable delay of timed interval wiping
%/AUTO: Timed interval wiping

Turn the adjuster wheel to adjust the delay between wipes:
- Longer delay: turn adjuster wheel downwards
- Shorter delay: turn adjuster wheel upwards

Timed interval wiping will need to be reselected whenever the ignition has been switched off.

Automatic wiping with rain sensor
%/AUTO: Automatic wiping with rain sensor

The rain sensor detects the amount of water on the windscreen and automatically regulates the frequency of the windscreen wipers. Automatic wiping will need to be reselected whenever the ignition has been switched off.

Note
During extreme weather conditions, e.g. fog or snow, automatic wiping with rain sensor may become unavailable. If required, select another wiper position.
Instruments and controls

Adjustable sensitivity of the rain sensor

Turn the adjuster wheel to adjust the sensitivity:
low sensitivity : turn adjuster wheel downwards
high sensitivity : turn adjuster wheel upwards

Keep the sensor free from dust, dirt and ice.

Windscreen washer

Pull lever. Washer fluid is sprayed onto the windscreen.
short pull : wiper swipes once
long pull : wiper swipes for a few strokes

Outside temperature

A drop in temperature is indicated immediately and a rise in temperature after a time delay.
If outside temperatures drop to 3 °C, the °C flashes in the information display as a warning for icy road conditions. This will continue to flash until temperatures rise above 3 °C.
⚠️ Warning

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

Clock

Depending on vehicle, the current time and/or date may appear in the information display 102 or the Driver Information Centre 102.

Set time and date in information display

Hours and minutes can be adjusted by pressing the appropriate buttons by the display or with the Infotainment system controls. Further information is available in the Infotainment manual.

Set time in Driver Information Centre

Display the clock function by pressing button repeatedly on end of wiper lever. When the time flashes (after approx. two seconds):
- Press and hold the bottom button.
- Hours flash.
- Press top button to change hours.
- Press and hold bottom button to set hours.
- Minutes flash.
- Press top button to change minutes.
- Press and hold bottom button to set minutes and exit setting mode.

Power outlets

12 V power outlets are located on top of the instrument panel, or beside the gearshift lever.
Depending on vehicle, an additional outlet may be located in the rear of the vehicle.

Connecting electrical accessories while the engine is off will discharge the vehicle battery. Do not exceed the maximum power consumption of 120 watts.

**Danger**

To avoid the risk of fire, if multiple power outlets are used simultaneously, the total power consumption of connected accessories must not exceed 180 watts.

With ignition off the power outlet may be deactivated.

Additionally, the power outlet may be deactivated in case of low battery voltage.

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

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do not connect any current-delivering accessories, e.g. electrical charging devices or batteries.</td>
</tr>
<tr>
<td>Do not damage the outlets by using unsuitable plugs.</td>
</tr>
</tbody>
</table>

**USB socket**

In the Infotainment unit (or on the instrument panel) there is a USB socket for the connection of external audio sources and for charging devices.

**Note**

The sockets must always be kept clean and dry.

AUX socket, SD card slot - refer to the Infotainment manual.
Cigarette lighter

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>
<tbody>
<tr>
<td>To be used only for ash and not for combustible rubbish.</td>
</tr>
</tbody>
</table>

Portable ashtray

Ashtray container for mobile use in the vehicle. To use, open cover.

Warning lights, gauges and indicators

Instrument cluster

In some versions, the needles of the instruments briefly rotate to the end position when the ignition is switched on.

Speedometer

Indicates vehicle speed.
**Speed limiter**

Maximum speed may be restricted by a speed limiter. As a visible indication of this, a warning label is located on the instrument panel.

A warning buzzer will sound for ten seconds if the vehicle briefly exceeds the set limit.

**Note**
Under certain conditions (e.g. steep inclines) the vehicle speed may exceed the set limit.

Speed limiter ▶ 163, cruise control speed limiter ▶ 159.

---

**Odometer**

Displays the recorded distance in km.

**Trip odometer**

The trip odometer displays the distance travelled since the last reset.

Press button once on end of windscreen wiper lever to display the trip odometer.

To reset, with the trip odometer displayed, press and hold button for a few seconds with the ignition on. The display will flash and the value will reset to zero.

Tachograph ▶ 106.

---

**Tachometer**

Displays the engine speed.

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

**Caution**

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

Displays fuel level in the tank.
Control indicator ‡ illuminates if the level in the tank is low. Refuel immediately ◊ 169.
Never run the tank dry. Diesel fuel system, bleeding ◊ 183.
Because of the fuel remaining in the tank, the top-up quantity may be less than the specified tank capacity.

AdBlue gauge

In versions without AdBlue level warnings in the Driver Information Centre, an AdBlue gauge is present, which shows the current AdBlue fluid level remaining in the tank.
Control indicator ‡ ◊ 99 illuminates if the level in the tank is low. Refill AdBlue as soon as possible to avoid prevention of engine starts.
AdBlue ◊ 143.

Engine coolant temperature gauge

Displays the coolant temperature.
left area : engine operating temperature not yet reached
central : normal operating area
temperature
right area : temperature too high

Control indicator ‡ illuminates if the temperature is too high ◊ 98, ◊ 99.
Instruments and controls

Caution

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

For physical reasons, the coolant temperature gauge shows the coolant temperature only if the coolant level is adequate.

Engine oil level monitor

The engine oil level monitor is correct only if the vehicle is parked on a level surface with a cold engine.

If the engine oil level is correct when the ignition is switched on OIL LEVEL CORRECT appears briefly in the Driver Information Centre.

If the engine oil is above the minimum level, press the trip computer button on the end of the wiper lever within 30 seconds of switching on the ignition. The message OIL LEVEL is displayed in combination with the squares that correspond to the oil level.

As the oil level diminishes, the squares in the display are replaced with dashes.

- - - - - - : maximum level
- - - - - - : intermediate level
- - - - - - : minimum level

If the minimum engine oil level is reached TOP-UP OIL LEVEL is displayed in combination with control indicator after the ignition is switched on for 30 seconds. Check and top up engine oil 177.

To exit the oil level monitor display, press either trip computer button.

Trip computer 104.

Service display

When the ignition is switched on, the remaining distance before the next service is due may be shown briefly in the Driver Information Centre. Based on driving conditions, the interval at which a service will be indicated can vary considerably.

When the remaining distance before the next service is less than 3000 km or two months, SERVICE IN appears in the Driver Information Centre.

When the distance reaches 0 km or the service date is due, control indicators and illuminate in the instrument cluster and SERVICE DUE appears in the Driver Information Centre.

The vehicle needs a service. Seek the assistance of a workshop.

Resetting the service display

After a service, the service display must be reset: if available, select the distance before service display in the Driver Information Centre, then press and hold button on end of wiper lever for approx. ten seconds until the distance before service is displayed continuously.

Trip computer 104.

Driver Information Centre 102.

Service information 220.
Transmission display

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

- **R**: reverse gear
- **N**: neutral
- **A**: automatic mode
- **kg**: laden mode
- **❄**: winter mode
- **🛠️**: apply footbrake
- **🔧**: transmission electronics

Manual transmission automated 🔶 150.

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 instrument panel

Overview
- Turn signal  96
- Seat belt reminder  96
- Airbag and belt tensioners  96
- Airbag deactivation  96
- Charging system  97
- Malfunction indicator light  97
- Service vehicle soon  97
- Service display  97
- Stop engine  98
- Brake system  98
- Antilock brake system (ABS)  98
- Upshift, downshift  98
- Lane departure warning  98
- Electronic Stability Program  99
- Electronic Stability Program off  99
- Engine coolant temperature  99
- Preheating  99
- AdBlue  99
- Tyre pressure monitoring system  99
- Engine oil pressure  100
- Low fuel  100
- Autostop (Stop-start system)  100
- Autostop inhibited (Stop-start system)  100
- Exterior light  101
- High beam  101
- High beam assist  101
- Fog light  101
- Rear fog light  101
- Cruise control  101

Control indicators in the roof console
Turn signal

Flashes green.
Flashes if a turn signal or the hazard warning flashers are activated.
Rapid flashing: failure of a turn signal light or associated fuse.
An audible warning can be heard when the turn signals are on. When towing a trailer, the pitch of the audible warning changes.
Bulb replacement 185.
Fuses 194.
Turn signals 111.

Airbag and belt tensioners

When the ignition is switched on, the control indicator illuminates briefly. If it does not illuminate 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.

Warning

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

Three-point seat belts 54.

Airbag deactivation

W illuminates yellow when the ignition is switched on and remains illuminated when the front passenger airbag has been deactivated 61.

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

Warning

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

Belt pretensioners, airbag system 53, 57.
**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.

Airbag system 57, belt tensioners 53, airbag deactivation 61.

**Charging system**

\[\text{illuminates red.}\]

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**

\[\text{illuminates or flashes yellow.}\]

Illuminates briefly when the ignition is switched on.

**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.

If \[\text{illuminates in combination with}\]

\[\text{, stop vehicle and switch off engine as soon as possible.}\]

**Warning**

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

**Flashes when the engine is running**

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

**Service vehicle soon**

\[\text{illuminates yellow.}\]

Illuminates briefly when the ignition is switched on.

The vehicle needs a service.

May illuminate in combination with another control indicator or a message in the Driver Information Centre 102.

Illuminates if cleaning of the diesel particle filter is required and automatic cleaning does not occur 142.

**Warning**

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

**Service display**

Control indicator \[\text{also illuminates in the Driver Information Centre when the remaining distance before the next service reaches 0 km or the service date is due.}\]
The message SERVICE DUE also appears in the Driver Information Centre.

Service display 92.

Stop engine

Stop illuminates red.
Illuminates briefly when the ignition is switched on.

If Stop illuminates (possibly in combination with  and/or ) stop vehicle and switch off engine as soon as possible.

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Have the cause of the fault remedied immediately by a workshop.</td>
</tr>
</tbody>
</table>

Depending on the type of fault, a warning message may also appear in the Driver Information Centre 102.

Brake system

illuminates red.

Control indicator remains illuminated after the ignition is switched on if the parking brake is applied and extinguishes when the parking brake is released 155.

When the parking brake is released, (possibly in combination with ) if the brake fluid level is too low 180.

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

Brake system 154.

Antilock brake system (ABS)

() illuminates yellow.
Illuminates briefly when the ignition is switched on. The system is ready for operation when () extinguishes.

If control indicators (,), (), and () illuminate with the messages CHECK ABS and CHECK ESP in the Driver Information Centre 102, there is a fault in the ABS. The brake system remains operational but without ABS regulation.

If control indicators (,), (), and () illuminate, the ABS and ESP are deactivated and the message BRAKING FAULT is displayed. Seek the assistance of a workshop.

Antilock brake system 154.

Upshift

() or () illuminates yellow.
Illuminates when gearshifting is recommended for fuel saving reasons.
ECO mode 133.

Lane departure warning

() illuminates white.
Illuminates briefly when the ignition is switched on and the system is ready to operate.
A warning chime sounds in conjunction with () when the system recognises an unintended lane change.
Lane departure warning  167.

**Electronic Stability Program**

Å flashes or illuminates yellow.

Illuminates briefly when the ignition is switched on.

**Flashing during driving**

The system is actively engaged.

Engine output may be reduced and the vehicle may be braked automatically to a small degree  157.

**Illuminates during driving**

The system is unavailable.

May illuminate together with control indicator Å  97. A corresponding message also appears in the Driver Information Centre  102.

ESP®Plus  157, Traction Control system  156.

**Electronic Stability Program off**

Å illuminates green.

If ESP®Plus has been deactivated with Å on the instrument panel, control indicator Å illuminates and a corresponding message appears in the Driver Information Centre  102.

ESP®Plus  157, Traction Control system  156.

**Engine coolant temperature**

Å illuminates red.

Illuminates briefly when the ignition is switched on.

**Illuminates when the engine is running**

If Å illuminates (possibly in combination with control indicator STOP), stop vehicle and switch off engine.

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coolant temperature too high.</td>
</tr>
</tbody>
</table>

Check coolant level  178.

If there is sufficient coolant, consult a workshop.

**Preheating**

ø illuminates yellow.

Preheating is activated. Only activates when outside temperature is low.

**AdBlue**

Ö illuminates yellow.

AdBlue level is low. Refill AdBlue as soon as possible, to avoid prevention of engine starts.

Illuminates together with control indicator Ò to indicate a system failure or as a warning that engine starting may not be possible after a certain distance. Seek the assistance of a workshop immediately.

A corresponding message appears in the Driver Information Centre  102.

AdBlue  143.

**Tyre pressure monitoring system**

Ω illuminates or flashes yellow.

Illuminates briefly when the ignition is switched on.
Instruments and controls

Illuminates
Tyre pressure loss. Stop immediately and check tyre pressure.
Control indicator \( \text{Tyre pressure loss} \) illuminates together with \( \text{Control indicator} \) \( \text{Tyre pressure loss} \) and a corresponding message appears in the Driver Information Centre when a puncture or severely under-inflated tyre is detected.

Flashes
Fault in system. After a delay the control indicator illuminates continuously. Consult a workshop.
Control indicator \( \text{Fault in system} \) illuminates together with \( \text{Control indicator} \) \( \text{Fault in system} \) and a corresponding message appears in the Driver Information Centre when a puncture or severely under-inflated tyre is detected.

Engine oil pressure
\( \text{Engine oil pressure} \) illuminates red.
Illuminates briefly when the ignition is switched on.

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

Warning
When the engine is off, considerably more force is needed to brake and steer. During an Autostop the brake servo unit will still be operational.

Do not remove key until vehicle is stationary, otherwise the steering wheel lock could engage unexpectedly.

Check oil level before seeking assistance of a workshop \( \text{Check oil level} \) 177.

Low fuel
\( \text{Low fuel} \) illuminates yellow.
Illuminates when the ignition is switched on and extinguishes shortly after the engine starts.

Illuminates when the engine is running
Fuel level in the tank is too low. Refuel immediately.
Never run the tank dry.
Refuelling \( \text{Refuelling} \) 169.
Catalytic converter \( \text{Catalytic converter} \) 142.
Bleeding the diesel fuel system \( \text{Bleeding the diesel fuel system} \) 183.

Stop-start system
\( \text{Stop-start system} \)
Illuminates when an Autostop is inhibited when certain conditions are not fulfilled.

Illuminates or flashes yellow / green.

**Illuminates**

Illuminates green during an Autostop.

If ☰ illuminates yellow there is a fault in the stop-start system. Seek the assistance of a workshop.

**Flashes**

Flashes green during an automatic restart.

Stop-start system  üç 136.

**Exterior light**

☐ ☰ illuminates green.

Illuminated when the exterior lights are on  üç 108.

**High beam**

☐ ☰ illuminates blue.

Illuminated when high beam is on and during headlight flash  üç 109.

**High beam assist**

☐ ☰ illuminates when the high beam assist is activated  üç 109.

**Fog light**

❖ ☰ illuminates green.

Illuminated when the front fog lights are on  üç 112.

**Rear fog light**

❖ ☰ illuminates yellow.

Illuminated when the rear fog light is on  üç 112.

**Cruise control**

❖ ☰, ☰, ☰, ☰ illuminates green or yellow.

❖ ☰ illuminates green when a certain speed is stored.

❖ ☰ illuminates green when the system is on.

**Speed limiter**

❖ ☰ illuminates yellow.

❖ ☰ illuminates yellow when the system is on.

Cruise control, Speed limiter  üç 159.

**Tachograph**

T illuminates when there is a fault  üç 106.

**Door open**

❖ ☰ illuminates yellow.

Illuminates with the ignition switched on when a door or the load compartment is open.

Depending on version, control indicator also illuminates in transmission display, indicating relevant open door.
Information displays

Driver Information Centre
The Driver Information Centre is located in the instrument cluster below the speedometer.

Depending on vehicle configuration, the following items appear in the display:

- outside temperature ◇ 86
- clock ◇ 87
- odometer, trip odometer ◇ 90
- engine oil level monitor ◇ 92
- service display ◇ 92
- vehicle messages ◇ 103
- trip computer ◇ 104

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.

Info display
The central display in the Infotainment system displays the time (and/or outside temperature, depending on version) and Infotainment system information.

Press ◇ to switch the Infotainment system on. Alternatively, it automatically switches on when the ignition is switched on.

Depending on system, the Infotainment system is operated via buttons and rotary knobs on the Infotainment system fascia, the steering column controls, the voice recognition system (if available) or via the touchscreen display.

Touchscreen operation
Make the appropriate selection from the available menus and options by touching the display screen with the finger.
For further information, refer to the Infotainment system manual.
Vehicle messages

Messages appear in the Driver Information Centre, in combination with control indicator \(\text{STOP}\) or \(\text{STOP}\).

Information messages

Information messages

BATTERY MODE: ECONOMY

ESP OFF

AUTO LIGHTS DEACTIVATED

OIL LEVEL CORRECT

Fault messages

Displayed in combination with control indicator \(\text{STOP}\). Drive with caution and seek the assistance of a workshop.

To remove fault message, press button on end of wiper lever. After a few seconds the message may disappear automatically and \(\text{STOP}\) remains illuminated. The fault will then be stored in the on board system.

Fault messages

CHECK ESP

CHECK FUEL FILTER

CHECK GEARBOX

CHECK AUTO LIGHTS

Warning messages

These may appear with control indicator \(\text{STOP}\) or in combination with other warning messages, control indicators or an audible warning. Stop engine immediately and seek the assistance of a workshop.

Warning messages

INJECTION FAULT

ENGINE OVERHEATING

GEARBOX OVERHEATING

Tyre pressure monitoring system \(\text{STOP}\) 201.

Warning chimes

When starting the engine or whilst driving

Only one warning chime will sound at a time.

The warning chime regarding unfastened seat belts has priority over any other warning chime.

- If seat belt is not fastened \(\text{STOP}\) 54.
- If a certain speed is exceeded with the parking brake applied \(\text{STOP}\) 155.
- If the parking assist detects an object or a fault is present \(\text{STOP}\) 163.
- If the vehicle has manual transmission automated and the clutch temperature is too high \(\text{STOP}\) 150.
- If the vehicle speed briefly exceeds a set limit \(\text{STOP}\) 89.
- During closing of the power sliding door \(\text{STOP}\) 28.
- If the sliding door is open and the parking brake is released \(\text{STOP}\) 28.
• During activation and deactivation of alarm monitoring of vehicle inclination 34.
• If the AdBlue level falls below a certain amount or a fault is present 143.
• If the lane departure warning system detects an unintended lane change and when the system is activated 167.

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

• When the key is in the ignition switch.
• With exterior lights on 108.
• There is a fault with the power door lock system 27.
• If the vehicle has manual transmission automated 150; the parking brake has not been applied, neutral is not selected or the brake pedal has not been depressed. A corresponding message may also appear in the Driver Information Centre 102.

• If the sliding side door exterior handle is in the open position when unlocking the vehicle 28.
• If the parking brake is not applied when the power sliding door switch is pressed 28.
• If the power sliding door is locked from the inside with the child lock active 28.
• If the engine is in an Autostop but not switched off. Stop-start system 136.

Trip computer

The trip computer provides information on driving data, which is continually recorded and evaluated electronically.

Depending on vehicle, the following functions can be selected by pressing button repeatedly on end of wiper lever:

• fuel used
• average consumption
• instantaneous consumption
• range
• distance travelled
• average speed
• distance before service 92
• clock 87
• cruise control and speed limiter stored speed 159
• fault and information messages
• odometer 90, trip odometer 90

Fuel used
Displays the amount of fuel consumed since the last reset.
The measurement can be restarted at any time by pressing and holding the button on the end of the wiper lever.

Average consumption
The value is displayed after driving a distance of 400 metres.
Average consumption is displayed, taking into consideration the distance travelled and the fuel used since the last reset.
The measurement can be restarted at any time.

Instantaneous consumption
The value is displayed after reaching a speed of 30 km/h.

Range
The value is displayed after driving a distance of 400 metres.
The range is calculated from the current contents of the fuel tank and the average consumption since the last reset.
The range will not display if control indicator is illuminated in the instrument cluster 100.
The measurement can be restarted at any time.

Distance travelled
Displays the distance driven since the last reset.
The measurement can be restarted at any time.

Average speed
The value is displayed after driving a distance of 400 metres.

The average speed since the last reset is displayed.
The measurement can be restarted at any time.
Interruptions in the journey with the ignition off are not included in the calculations.

Reset trip computer information
To reset the trip computer, select one of its functions then press and hold button on end of wiper lever.
The following trip computer information can be reset:
• fuel used
• average consumption
• distance travelled
• average speed
The trip computer will reset automatically when the maximum value of any of the parameters is exceeded.
Fuel economy rating (ecoScoring)
If equipped, a rating of 0 to 100 is shown in the Infotainment system display screen, to help evaluate fuel efficiency, based on your driving style.
Higher ratings indicate better fuel economy.
Tips to improve fuel economy are also given in the display. Journeys can be saved in the system memory, enabling you to compare performances. Refer to Infotainment manual for further information.
Vehicle messages 103.

Journey record
When the engine is switched off, a record of the last journey may be shown in the Infotainment system display screen.
The following information is displayed:
- average fuel consumption
- trip odometer
- fuel saved in km

Refer to Infotainment manual for further information.

Interruption of power supply
If the power supply has been interrupted or if the vehicle battery voltage has dropped too low, the values stored in the trip computer will be lost.

Tachograph
The tachograph is operated as described in the operating instructions supplied. Observe regulations regarding use.
Control indicator T illuminates in the instrument cluster in the event of a fault. Seek the assistance of a workshop.
Note
When a tachograph is fitted, the total distance travelled may be shown only on the tachograph and not in the odometer within the instrument display.
Odometer 90.
Lighting

Exterior lighting .................................. 108
Light switch ........................................ 108
Automatic light control ......................... 108
High beam ......................................... 109
High beam assist .................................. 109
Headlight flash ..................................... 110
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Headlights when driving abroad ................ 110
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Adaptive forward lighting ....................... 111
Hazard warning flashers ......................... 111
Turn and lane-change signals ................... 111
Front fog lights .................................... 112
Rear fog lights ..................................... 112
Reversing lights ................................... 112
Misted light covers ................................ 112
Interior lighting .................................... 113
Interior lights ...................................... 113
Load compartment lighting ...................... 113
Reading lights ..................................... 114
Lighting features .................................. 115
Exit lighting ....................................... 115
Battery discharge protection .................... 115

Exterior lighting

Light switch

Turn outer light switch:
- off
- sidelights
- headlights
- automatic light control: headlights are switched on and off automatically.

Turn inner light switch:
- front fog lights
- rear fog lights

High beam control indicator "D" 101.

Note
If the headlights have been switched on manually, a warning chime will sound when the engine is switched off and when the driver's door is opened as a reminder that the lights are still on.

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

Automatic light control

Low beam control indicator "D" 101.
When the automatic light control function is switched on and the engine is running, the system switches between daytime running lights (where fitted) and headlights, depending on the lighting conditions. For reasons of safety, the light switch should always remain in the AUTO position.

Daytime running lights  110.

**Automatic headlight activation**

During poor lighting conditions the headlights are switched on.

**High beam**

To change between low and high beam, pull lever until a click is felt.

**High beam assist**

This feature allows high beam to function as the main driving light at night and when vehicle speed is faster than 45 km/h.

It switches to low beam when:

- The camera in the windscreen detects the lights of oncoming or preceding vehicles.
- It is foggy or snowy.
- Driving in urban areas.

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

**Activation**

Turn the outer light switch to AUTO then pull the turn signal lever to activate high beam assist.

The control indicator  illuminates continuously in the instrument cluster when the assist is activated, while the blue control indicator  101 illuminates when high beam is on.

**Control indicator**  101.

**Note**

Use of the system does not relieve the driver from full responsibility for vehicle operation.
Deactivation
Pull the turn signal lever again. Control indicator  extinguishes. High beam assist is also deactivated when the outer light switch is moved out of the AUTO position.

Note
Depending on version, the system can be also be deactivated via the Infotainment system. Refer to Infotainment manual for further information.

General information
Performance of the system can be affected due to the following:
- Extreme weather conditions, e.g. heavy rain, fog or snow.
- The front camera or the windscreen is obstructed, e.g. by a portable navigation system.
- Oncoming or preceding vehicle lights are not detected.

- Headlights are not adjusted correctly.
- Various reflective surfaces may also cause the system to fail to detect other vehicles.

Headlight flash
To activate the headlight flash, pull lever.

Headlight range adjustment
Manual headlight range adjustment
With low beam switched on, adapt the headlight range to suit the vehicle load to prevent dazzling of oncoming traffic.

Turn knurled wheel to required position:
0 : front seat occupied
4 : loaded up to permissible maximum weight

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.

Have the headlights adjusted by a workshop.

Daytime running lights
Daytime running lights increase visibility of the vehicle during daylight.
The lights operate automatically when the ignition is switched on.

If the vehicle is equipped with the automatic light control function, the system switches between daytime running lights and headlights automatically depending on the lighting conditions. Automatic light control ◇ 108.

Adaptive forward lighting

Cornering light

Depending on the steering angle, vehicle speed and gear selected when cornering, an additional light will illuminate the corner of the road on the respective side when the headlights are switched on.

The cornering light is switched off automatically after prolonged use and at vehicle speeds above 40 km/h.

Hazard warning flashers

Operated by pressing ◇.

In the event of hard braking, the hazard warning flashers may turn on automatically. Switch off by pressing ◇.

Turn and lane-change signals

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

When the steering wheel is turned back, the lever automatically returns to its original position and the indicator is deactivated. This will not happen when making a minor steering manoeuvre such as lane changing.

For three flashes, e.g. when changing lanes, move lever part way to first stop. When released, lever will spring back.
If the lever is moved past the first stop, the indicator is switched on constantly. Switch the indicator off manually by moving the lever to its original position.

**Front fog lights**

Turn inner switch to position $\L$ and release.

Front fog lights operate with engine running and headlights switched on.

**Rear fog lights**

Turn inner switch to position $\R$ and release.

Rear fog lights operate with engine running and headlights switched on.

**Reversing lights**

The reversing lights come on when the ignition is on and reverse gear is selected.

**Misted light covers**

The inside of the light covers 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

Interior lights
Courtesy lights illuminate when the vehicle is unlocked with the remote control or the front doors are opened. When the doors are closed, the courtesy light extinguishes after a delay or immediately after the ignition is switched on.

Front courtesy light
With the switch in its central position, the light functions as a courtesy light.

Operated by pressing the switch 🌃:
- on constantly
- on when the doors are unlocked and opened
- off constantly

Rear courtesy lights

Combi, Bus
Low level and overhead courtesy lights are located in the rear passenger compartment.

Operate rocker switch on the instrument panel:
press OFF : off
press 🌃 : on

Reading lights 📚 114.

Load compartment lighting
Load compartment lighting can be set to illuminate when the side and rear doors are opened, or switched on constantly.
With the switch in its central position, the light functions as a courtesy light.

Operated by pressing the switch 🌃:
- on constantly
- on when the doors are unlocked and opened
- off constantly
When the doors are closed, the courtesy light extinguishes after a delay or immediately after the ignition is switched on.

**Reading lights**

**Front reading light**

Operated with $\mathcal{R}$. The reading light can be directed as required, depending on version.

**Rear reading lights**

**Combi, Bus**

Operate rocker switch on the instrument panel:

- press $\mathcal{R}$ : on
- press OFF : off

Courtesy lights $\mathcal{R} \diamond 113$.

Each reading light can then be switched on or off individually and directed as required.
Lighting features

Exit lighting

Headlights come on for approx. 30 seconds after the vehicle is parked and the system is activated.

Activating

1. Switch off ignition.
2. Remove ignition key.
3. Pull turn signal lever towards steering wheel.

This action can be repeated up to four times.

The headlights are turned off immediately by turning the light switch to any position and returning to 0.

Battery discharge protection

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

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Climate control systems

Heating and ventilation system

Controls for:
- temperature
- fan speed
- air distribution
- demisting and defrosting

Heated rear window 41, Heated seats 50.

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
: 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 level.
- Set air distribution control to $V$.
- Switch on heated rear window $Ü$.
- Open side air vents as required and direct them towards door windows.
- For simultaneous warming of the foot well, set air distribution control to $J$.

### Air conditioning system

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

- $A/C$ : cooling
- $u$ : air recirculation

Heated rear window $Ü$ 41, Heated seats $ß$ 50.

### Cooling ($A/C$)

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

Press $A/C$ again to switch off cooling.

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

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

**Note**

If the climate control is set to maximum cooling while the ambient temperature is high, an Autostop may be inhibited until the required temperature in the passenger compartment has been reached.

If the climate control is set to maximum cooling while the engine is in an Autostop, the engine may restart automatically.

### Stop-start system

$3136$.

### Air recirculation system

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

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

### Maximum cooling

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

- Cooling A/C on.
- Air recirculation system ☺ on.
- Set air distribution control to ₪.
- Set temperature control to coldest level.
- Set fan speed to highest level.
- Open all air vents.

Demisting and defrosting the windows

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

Note
If ☺ is pressed while the engine is running, an Autostop will be inhibited until ☺ is pressed again.
If ₪ is pressed while the engine is in an Autostop, the engine will restart automatically.

Stop-start system ☼ 136.

Electronic climate control system

Controls for:

- temperature
- air distribution (₪ or ₪) and menu selection
- fan speed ✫

AUTO : automatic mode
☺ : air recirculation
₪ : demisting and defrosting
Ü : heated rear window, heated exterior mirrors
A/C OFF : switch off air conditioning

Heated rear window, heated exterior mirrors Ü ☼ 41, ☼ 37.
Heated seats ✫ ☼ 50.

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

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

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

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

Automatic mode

Basic setting for maximum comfort:
- Press AUTO ("AUTO" appears in the display).
- Set desired temperature (the temperature appears in the display).
- Open all air vents.

During automatic mode, the settings for fan speed, air distribution, air conditioning and air recirculation are automatically regulated by the system and are not shown on the display.

Temperature preselection

Temperatures can be set to the desired value with the two buttons below the display.
For reasons of comfort, change temperature only in small increments.
- red : warm
- blue : cold

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

If the minimum temperature of 15 °C is set, the electronic climate control system runs at maximum cooling.
If the maximum temperature of 27 °C is set, the electronic climate control system runs at maximum heating.

Note
If the temperature is to be reduced for climate comfort reasons, an Autostop can be inhibited or the engine will restart automatically when cooling is switched on.

Stop-start system 136.

Fan speed

Fan speed can be increased or decreased with the buttons.
The selected fan speed is indicated with in the display.
If the fan is switched off, the air conditioning is also deactivated.

To return to automatic mode: Press AUTO.

Demisting and defrosting the windows

Press ; LED illuminates.

Temperature and air distribution are set automatically, air conditioning is switched on and the fan runs at a high speed.

Heated rear window, heated exterior mirrors are also switched on automatically. Press to switch off without deactivating demisting/defrosting of the windows. The fan speed can also be decreased.

To return to automatic mode: press or AUTO.

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

Stop-start system 136.

Air distribution

Press or repeatedly.
Arrows shown in the display indicate the distribution settings:

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

To return to automatic mode: Press AUTO.

Cooling

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

If no cooling or drying is required, press A/C OFF to switch the cooling system off, thus saving fuel. "A/C OFF" appears in the display.

Manual air recirculation mode

Press © to switch on air recirculation; © appears in the display.

⚠️ Warning

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

To return to automatic mode: press © or AUTO.

Rear heating system

If the engine is switched off, the rear compartment can be heated by the additional heating, through low level vents.

By programming values using the control panel, the user can adjust the time, day and temperature settings.

Heating will cease to operate if the vehicle fuel level drops too low.

During operation, power from the vehicle battery is used. For short journey times, check the vehicle battery regularly and recharge if necessary.

Note

If the rear heating system is activated while the engine is running, an Autostop will be inhibited.

To ensure efficient performance, the low level air vents in the rear passenger compartment must not be obstructed.
### Warning

Do not operate the system when refuelling, when dust or combustible vapours are present or in enclosed spaces (e.g. garage).

### Timer

| 1 Display | Displays preset, weekday or preset day, current time or preset time, temperature, Y and \[ ] |
| 2 Temperature | Selects temperature |
| 3 ▶ | Adjusts values up |
| 4 ◀ | Adjusts values down |
| 5 \[ ] | Selects heat settings |
| 6 P | Selects preset settings |
| 7 ○ | Selects time and weekday settings |

### Operation

**Heating \[ ]**
Press \[ ], the predetermined heating duration, e.g. 30 is displayed.
To temporarily adjust the heating duration, adjust using ◀ or ▶. The value can be set from 10 to 120 minutes. Due to the power consumption, note the heating duration.
To switch off, press \[ ].

To change the default predetermined heating duration, ensure the heater is switched off, press and hold ◀ until the display flashes and adjust using ◀ or ▶.

**Programming P**
Up to three preset departure times during one day, or one preset departure time over one week can be programmed.

- Press P once to select preset memory number 1.
- Press P twice to select preset memory number 2.
- Press P three times to select preset memory number 3.
- Press P again to exit the preset memory.

**Start heating within 24 hours**
- Press P to select desired preset memory number 1, 2 or 3.
- Briefly press ◀ or ▶; the preset time flashes.
Climate control

- Adjust the preset time using ◀ or ▶.
- Press P to confirm and exit the preset memory.

Start heating up to seven days
- Press P to select desired preset memory number 1, 2 or 3.
- Briefly press ◀ or ▶; the preset time flashes.
- Adjust the preset time using ◀ or ▶.
- After five seconds the preset day flashes.
- Adjust the preset day using ◀ or ▶.
- The preset time and day are set once the display changes to the current time.

Set time and weekday
If the vehicle battery is disconnected or its voltage is too low, the unit will need to be reset.
- Press ◀ until the time flashes.
- Press ◀ or ▶ to change the current time.
- Time is stored when the display stops flashing.
- Wait for weekday to flash.
- Press ◀ or ▶ to change the weekday.
- Weekday is stored when the display stops flashing.

Heating level
The preferred heating level for programmed departure times can be set between 10 to 30°C.
To adjust the temperature of the heating, turn the rotary knob located on the control panel.
- turn clockwise : increase temperature
- turn anti-clockwise : decrease temperature

Rear air conditioning system
The rear air conditioning system is activated in conjunction with the front passenger compartment air conditioning system.

Bus
Rear air vents

Additional air conditioning is supplied to the rear passenger compartment via the overhead air vents.
Fan speed

Adjust the air flow to select the desired speed.
- turn clockwise: increase air flow
- turn anti-clockwise: decrease air flow

**Note**
Rear air conditioning cannot be switched on during an Autostop.
Stop-start system \( 136 \).

**Combi**

Additional air conditioning is supplied to the rear passenger compartment via the air vents located above the driver and front passenger compartment.

With the front passenger compartment air conditioning system switched on, adjust the air flow to select the desired speed.

Ensure the air vents are open when in use, to prevent ice forming in the system due to lack of air movement.

**Auxiliary heater**

**Coolant heater**

The engine-independent, fuel-powered coolant heater provides rapid heating of the engine coolant to enable heating of the vehicle interior without the engine running.

**Note**
Depending on version, an additional coolant heater may be switched on automatically to speed up heating when the ignition is on and the outside temperature is below 5 °C.

**⚠️ Warning**
Do not operate the system when refuelling, when dust or combustible vapours are present or in enclosed spaces (e.g. garage).

Before starting or programming the system to start, turn the vehicle's climate control system to heat, set the air distribution to \( V \) and turn the fan on.

Switch off when not required. Heating stops automatically after the programmed runtime. It will also cease to operate if the vehicle fuel level drops too low.

During operation, power from the vehicle battery is used. The driving time should therefore be at least as long as the heating time. For short journey times, check the vehicle battery regularly and recharge if necessary.

To ensure efficient performance, briefly operate the auxiliary heater once a month.
Climate control

Control units

The timer or remote control unit turns the system on and off, and is used to programme specific departure times.

Timer (Type A)

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Display</td>
</tr>
<tr>
<td>2</td>
<td>Adjusts values up</td>
</tr>
<tr>
<td>3</td>
<td>Long press: switch heater on, short press: turns display on or confirms selection</td>
</tr>
<tr>
<td>4 ◀</td>
<td>Adjusts values down</td>
</tr>
<tr>
<td>5 □</td>
<td>Long press: switch heater off, short press: turns display on or exit menu</td>
</tr>
</tbody>
</table>

Remote control (Type A)

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Display</td>
</tr>
<tr>
<td>2 ▶</td>
<td>Adjusts values up</td>
</tr>
<tr>
<td>3 □</td>
<td>Long press: switch heater off, short press: turns display on or exit menu</td>
</tr>
<tr>
<td>4 ◀</td>
<td>Adjusts values down</td>
</tr>
<tr>
<td>5 □</td>
<td>Long press: switch heater off, short press: turns display on or exit menu</td>
</tr>
</tbody>
</table>

If no buttons are pressed within ten seconds the display automatically turns off.

Remote control (Type A) fault displays

<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>INIT</td>
<td>automatic detection – wait until automatic detection is finished</td>
</tr>
<tr>
<td>NO SIGNAL</td>
<td>no signal – check heater fuse</td>
</tr>
<tr>
<td>Y</td>
<td>heater fault – consult workshop</td>
</tr>
<tr>
<td>Add, AddE</td>
<td>system in learning mode</td>
</tr>
</tbody>
</table>

Teach remote control (Type A)

If the vehicle battery is reconnected, the LED in the instrument panel button illuminates and the system
configures the remote control menu automatically. If the LED flashes, select Add or AddE and confirm.

Additional remote control units may also be configured. Press the button until LED flashes, switch on the remote control, select Add and confirm.

AddE teaches the current remote control unit exclusively and blocks all previously configured units. Add teaches up to four remote control units, but only one unit can operate the system at any one time.

Remote control (Type B)

1 Display : Displays preset, current time or preset time, temperature, \( \text{T} \), \( \text{Y} \), \( \text{w} \), \( \Theta \) and \( \checkmark \)

2 ➤ : Adjusts values up

3 OFF \( \text{w} \) : Switch heater off, or press \( \text{w} \) and OFF simultaneously to confirm selection

4 \( \text{w} \) : Switch heater on, or press \( \text{w} \) and OFF simultaneously to confirm selection

5 ◀ : Adjusts values down

If no buttons are pressed within 30 seconds the display automatically turns off.

⚠️ Warning

When refuelling, switch off the remote control unit as well as the heater!

The remote control has a maximum range of 1000 metres. The range may be reduced due to environmental conditions and as the battery becomes weaker.

Remote control (Type B) fault displays

\( \text{T} \) : poor signal – adjust position

FAIL : error during signal transmission – move closer or check heater fuse

\( \text{w} \) : battery low – replace battery

Teach remote control (Type B)

Up to four additional remote control units may also be configured. During additional teaching processes, the oldest transmitter will be deleted each time.

Remove the heater fuse for five seconds, then refit the fuse. Within two - six seconds press OFF for one second. Teaching is completed.

If the remote has not been used for a long period, press the OFF button six times at intervals of two seconds, then press and hold for another two seconds, then wait two minutes.
Manual control

Depending on version, the auxiliary heater can also be switched on for the last duration time or the default duration 30 minutes, or cut-off immediately, using the button on the instrument panel. The LED in the button confirms operation.

Battery replacement

Replace the battery when the range of the remote control is reduced or when the battery charge symbol flashes.

Open the cover and replace the battery (Type A: CR 2430, Type B: 2CR 11108, or equivalent), ensuring the new battery is correctly installed with the positive (+) side facing the positive terminals. Replace the cover securely.

Dispose of old batteries in accordance with environmental regulations.

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

Operation (Type A)

Heating

Select in the menu bar and press to confirm. The predetermined heating duration, e.g. L 30, flashes in the display. The factory setting is 30 minutes.

Adjust the heating duration using ▼ or ▲ and confirm. The value can be set from ten to 120 minutes. Due to the power consumption, note the heating duration.

To switch off, select in the menu bar again and press .

Ventilation ✗

Select ✗ in the menu bar and press to confirm.

Adjust the ventilation duration using ▼ or ▲ and confirm. The value can be set from ten to 120 minutes. Due to the power consumption, note the heating duration.

To switch off, select ✗ in the menu bar again and press .

Programming P

Up to three preset departure times can be programmed, either during one day or over one week.

- Select P in the menu bar and press to confirm.
- Select desired preset memory number P1, P2 or P3 and confirm.
- Select \ and confirm.
- Select weekday or weekday group and confirm.
- Select hour and confirm.
- Select minutes and confirm.
- Select ⌁ or ● and confirm.
- Select ECO or HIGH and confirm.
- Select duration and confirm.
- Press □ to exit.

Repeat the procedure to programme the other preset memory numbers if required.

To activate a desired preset memory number select P1, P2 or P3, then select On and confirm.

When a program is activated P and ⌁ will be displayed together.

To deactivate a preset memory, select P1, P2 or P3, then select Off and confirm.

Heating stops automatically five minutes after the programmed departure time.

Note
The remote control system features a temperature sensor which calculates the runtime according to the ambient temperature and the desired heating level (ECO or HIGH). The system starts automatically between five and 60 minutes prior to the programmed departure time.

Set time and weekday ⌁
If the vehicle battery is disconnected or its voltage is too low, the unit will need to be reset.
- Select \ in the menu bar and confirm.
- Select ⌁ in the menu bar and confirm.
- Adjust using \ or \ to change the hour and confirm.
- Adjust using \ or \ to change the minutes and confirm.
- Press □ to exit.
- Select \ in the menu bar and confirm.
- Select Mo in the menu bar and confirm.

- Adjust using \ or \ to change the weekday and confirm.
- Press □ to exit.

Heating level
The preferred heating level for programmed departure times can be set to either ECO or HIGH.
- Select ⌁ in the menu bar and confirm.
- Select ECO or HIGH and confirm.
- Press □ to exit.

Operation (Type B)
Heating ⌁ or Ventilation ●
Select the operating mode ⌁ or ●, if necessary.
- Press \ three times.
- Press ⌁ and OFF simultaneously, ⌁ or ● flashes.
- Adjust using \ or \ to select ⌁ or ●.
- Press ⌁ and OFF simultaneously to confirm.
Climate control

To switch on, press \[\square\square\] for one second. The predetermined heating duration, e.g. 30, is displayed. The factory setting is 30 minutes. The heating duration can be set in increments of ten minutes. Due to the power consumption, note the heating duration.

- Press \[\text{uur}\] four times.
- Press \[\square\square\] and OFF simultaneously, \[\square\square\square\] flashes.
- Adjust using \[\text{uur}\] or \[\text{uur}\] to select the desired heating duration.
- Press \[\square\square\] and OFF simultaneously to confirm.

To switch off, press OFF.

Programming

The system calculates the operating time of the heater depending on the temperature inside the vehicle.

- Press \[\text{uur}\] twice.
- Press \[\square\square\] and OFF simultaneously, \[\square\square\square\] flashes.

Set time

If the vehicle battery is disconnected or its voltage is too low, the time will need to be reset.

- Press \[\text{uur}\] once.
- Press \[\square\square\] and OFF simultaneously, \[\text{uur}\] flashes.
- Adjust using \[\text{uur}\] or \[\text{uur}\] to set the time.
- Press \[\square\square\] and OFF simultaneously to confirm.

Heating level

The preferred heating level for programmed departure times can be set to between C1 and C5.

- Press \[\text{uur}\] three times.
- Press \[\square\square\] and OFF simultaneously, \[\square\square\square\] flashes.
- Adjust using \[\text{uur}\] or \[\text{uur}\] to set the heating level.
- Press \[\square\square\] and OFF simultaneously to confirm.

To display the passenger compartment temperature, press \[\text{uur}\] twice.
Air vents

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

Centre air vents
Press the vent to open.
Direct the flow of air by swivelling the vent.
Push vent to close.

Side air vents
Press the vent to open.
Direct the flow of air by swivelling the vent.
Depending upon the position of the temperature control, air will be directed into the vehicle via the side air vents.

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

Combi
Adjustable air vents may be located in the roof frame. To open, press air vent. Hold air vent and turn it to the required position to direct the airflow.
Bus
Adjustable air vents may be located in the roof frame above the seats. Turn adjuster to increase/decrease airflow to the appropriate seat.

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

Glovebox cooler
The air conditioning system can also keep the contents of the glovebox cool.

Maintenance

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

Pollen filter
The pollen filter cleans dust, soot, pollen and spores from the air entering the vehicle through the air intake.

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

Service
For optimal cooling performance, it is recommended to annually check the climate control system, starting three years after initial vehicle registration, including:
- functionality and pressure test
- heating functionality
- leakage check
- check of drive belts
- cleaning of condenser and evaporator drainage
- performance check
Note
Refrigerant R-134a contains fluorinated greenhouse gases with a global warming potential of 1430.

Front air conditioning system is filled with 0.58 kg and has a CO$_2$ equivalent of 0.83 tonnes, the front and rear air conditioning system in Combi variants is filled with 1.1 kg and has a CO$_2$ equivalent of 1.57 tonnes and the front and rear air conditioning system in Bus variants is filled with 1.7 kg and has a CO$_2$ equivalent of 2.43 tonnes.

Depending on vehicle, information regarding air conditioning refrigerant appears on a label located in the engine compartment.
## Driving and operating

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Driving hints

Driving economically

ECO mode

ECO mode is a function that optimises fuel consumption. It affects engine power and torque, acceleration, gear shift indication, heating, air conditioning and electrical consumers.

Activation

Press ECO. Control indicator illuminates when activated and a corresponding message appears in the Driver Information Centre 102.

During driving, it is possible to temporarily disable ECO mode, e.g. to increase engine performance, by depressing the accelerator pedal firmly.

ECO mode is reactivated when pressure is reduced on the accelerator pedal.

Deactivation

Press ECO again. Control indicator extinguishes.

Control of the vehicle

Never coast with engine not running (except during Autostop)

Many systems will not function in this situation (e.g. brake servo unit, power steering). Driving in this manner is a danger to yourself and others. All systems function during an Autostop, but there may be a controlled reduction in power steering assist and vehicle speed is reduced.

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’s side.

Driving downhill

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

Steering

If power steering assist is lost because the engine stops or due to a system malfunction, the vehicle can be steered but may require increased effort.
Caution

Vehicles equipped with hydraulic power steering:
If the steering wheel is turned until it reaches the end of its travel, and is held in that position for more than 15 seconds, damage may occur to the power steering system and there may be loss of power steering assist.

Starting and operating

New vehicle running-in
Do not brake unnecessarily hard for the first few journeys and after new disc brake pads have been fitted.
During the first drive, smoke may occur because of wax and oil evaporating off the exhaust system. Park the vehicle in the open for a while after the first drive and avoid inhaling the fumes.
During the running-in period fuel and engine oil consumption may be higher and the cleaning process of the diesel particle filter may take place more often. Autostop may be inhibited to allow for charging the vehicle battery.
Stop-start system  136.
Diesel particle filter  142.

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 is on, diesel engine is preheating. Control indicators illuminate and most electrical functions are operable
3 : engine start: Release key after starting procedure begins
Steering wheel lock
Remove key from ignition switch and turn steering wheel until it engages.

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

Starting the engine

Do not accelerate. Turn the key to position 2 for preheating, and hold until control indicator \( \text{\\textcircled{}} \text{0} \) extinguishes from the Driver Information Centre.

Note
Depending on vehicle, if a gear is engaged during preheating, a message may appear in the Driver Information Centre (DIC) \( \text{\\textcircled{}} \text{102} \) indicating that the clutch pedal must be depressed when starting the engine.

Turn key to position 3 and release. The increased engine speed automatically returns to normal idling speed as the engine temperature rises.

Start attempts should not last longer than 15 seconds. If engine does not start, wait 15 seconds before repeating starting procedure. If necessary, depress accelerator before repeating starting procedure.

Note
Rear-wheel drive: When starting on a level surface with an unladen vehicle, it is recommended that second gear is selected when starting off.

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

During an Autostop, the engine can be started by depressing the clutch pedal. Stop-start system \( \text{\\textcircled{}} \text{136} \).

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.
Idle speed control

To increase the idle speed press the switch. After a few seconds the function will be activated.

The function will be deactivated when:
- The clutch pedal is depressed.
- The accelerator pedal is depressed.
- MTA is not in N (neutral).
- Vehicle speed is above 0 km/h.
- Control indicator <I, ↓ or STOP illuminate in the instrument cluster.

To increase or decrease the fast idle speed rate, consult a workshop.

**Note**
When the fast idle function is activated, the stop-start system is automatically deactivated.
Stop-start system 136.

**Overrun cut-off**
The fuel supply is automatically cut off during overrun, i.e. when the vehicle is driven with a gear engaged but accelerator pedal is released.
Depending on driving conditions, the overrun cut-off may be deactivated.

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

It restarts the engine automatically as soon as the clutch pedal is depressed (manual transmission) or the brake pedal is released (manual transmission automated).
A vehicle battery sensor ensures that an Autostop is only performed if the vehicle battery is sufficiently charged for a restart.

**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.
If the below conditions are not fulfilled, an Autostop is prohibited and control indicator <STOP illuminates in the instrument cluster 100.
Deactivation

Deactivate the stop-start system manually by pressing ⏰. Deactivation is indicated when the LED in the button illuminates.

To reactivate, press ⏰ again; LED extinguishes in the button. The system is reactivated automatically the next time the ignition is switched on.

Note
When the fast idle function is activated, the stop-start system is automatically deactivated and cannot be reactivated by pressing ⏰. LED in button illuminates to indicate deactivation and a corresponding message may appear in the Driver Information Centre ⏰ 102.

Idle speed control ⏰ 136.

Autostop

Manual transmission
If the vehicle is at low speed or standstill, activate an Autostop as follows:
- depress the clutch pedal
- move the selector lever to neutral
- release the clutch pedal

Control indicator ⏰ may flash if the clutch is not released sufficiently.

Manual transmission automated
If the vehicle is at a standstill, activate an Autostop as follows:
- selector lever in position N (or A/M)
- depress brake pedal firmly
- do not accelerate

The engine will be switched off while the ignition stays on if the required conditions are fulfilled.

An Autostop is indicated when ⏰ illuminates green in the instrument cluster ⏰ 100.

During an Autostop, the heating performance, power steering and brake performance will be maintained. Brake assist, however, is not available ⏰ 156.

Note
If you exit the vehicle while the engine is in an Autostop, a warning chime will sound as a reminder that the engine is on standby and has not been switched off.
Conditions for an Autostop
The stop-start system checks if each of the following conditions is fulfilled, otherwise an Autostop will be inhibited and control indicator \(\mathbb{A}\) will illuminate in the instrument cluster.

- the stop-start system is not manually deactivated
- the bonnet is fully closed
- the vehicle battery is sufficiently charged and in good condition
- the engine is warmed up
- the engine coolant temperature is not too high
- the ambient temperature is not too low
- the defrosting function is not activated
- the climate control system does not inhibit an Autostop
- the rear air conditioning system is not activated
- the brake vacuum is sufficient
- the self-cleaning function of the diesel particle filter is not active \(\mathbb{A}\) 142
- the vehicle has moved since the last Autostop

Otherwise an Autostop will be inhibited.

An Autostop may become unavailable as the ambient temperature approaches freezing point.
Certain settings of the climate control system may also inhibit an Autostop. See "Climate control" chapter for further information \(\mathbb{A}\) 116.

Immediately after motorway driving an Autostop may be inhibited.

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

Restart of the engine by the driver

Manual transmission
With the selector lever in neutral, depress the clutch pedal to restart the engine.

Note
If any gear is selected, the clutch pedal must be fully depressed to restart the engine.

If the engine does not restart first time, depress clutch pedal fully again.

Manual transmission automated
With the selector lever in position N (or A/M) and the parking brake released, release the brake pedal to restart the engine.
Engaging reverse gear or depressing the accelerator pedal may also restart the engine.

The green control indicator \(\mathbb{A}\) will extinguish in the instrument cluster when the engine is restarted. If certain conditions are not fulfilled, a restart will not take place; start using the ignition key.

Starting the engine \(\mathbb{A}\) 135.
Bus
The engine is restarted automatically when operating the power sliding door switch on the instrument panel during an Autostop.

Sliding door 28.

Restart of the engine by the stop-start system
If one of the following conditions occurs during an Autostop, the engine may be restarted automatically by the stop-start system. Control indicator  will flash green in the instrument cluster during an automatic engine restart.
- the vehicle battery is discharged
- the ambient temperature is too low
- the defrosting function is activated
- the brake vacuum is not sufficient
- the brake pedal is operated repeatedly
- the vehicle starts to move

An automatic engine restart may not be possible if a door or the bonnet is open.

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.

If the Infotainment system is active, audio sound may briefly be reduced or interrupted during the restart.

Fault
If control indicator  illuminates yellow, or the LED illuminates in deactivation button  without first being pressed to deactivate the system, there is a fault in the stop-start system 100. A corresponding message also appears in the Driver Information Centre 102.
Seek the assistance of a workshop.

Warning chimes 103.

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 parking brake without pressing 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. On an uphill slope, turn the front wheels away from the kerb.
  If the vehicle is on a downhill slope, engage reverse gear. Turn the front wheels towards the kerb.
Driving and operating

- Close the windows.
- Turn the ignition key to position 0 and remove it. Turn the steering wheel until the steering wheel lock is felt to engage.

Lock the vehicle 24 and activate the anti-theft locking system 34 and anti-theft alarm system 34.

Air suspension
Operates automatically when the vehicle is driven. The air suspension system constantly adjusts the ride height according to the vehicle load.

Caution
To ensure safe operation of the air suspension system, do not exceed the maximum permissible gross vehicle weight rating. Refer to identification plate 225 or the vehicle documents.

For further information on the air suspension system, refer to the operating instructions supplied.

Master switch

Caution
The air suspension system must be switched off when the vehicle is being towed, jump-started, raised off the ground or transported. Do not switch off the air suspension system when driving.

Jump starting 213, Towing the vehicle 215.

The master switch is located on the door pillar. Switch on to enable operation and adjustment of the air suspension system. Switch off to put the vehicle into service mode.

Remote control

When increased ground clearance or improved vehicle access is required, the suspension can be raised or lowered using the remote control.
Caution

Ensure there is adequate clearance and that there are no obstructions when adjusting the suspension height.

The remote control unit is magnetic and may be fixed to any metal part of the vehicle or stored in its holder.

With the engine running, press the appropriate button for two seconds to adjust the suspension height. Indicator light will flash intermittently while height adjustment is in progress and illuminates when complete.

If the ignition is switched on with engine not running, the suspension height can only be lowered.

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

Pre-programmed settings
Adjusts the suspension height to one of three pre-programmed positions.

Caution

If an obstacle is detected while raising or lowering, the suspension height is returned to the normal position after a delay. This does not guarantee damage-free operation. Ensuring sufficient clearance and freedom from obstacles is the responsibility of the driver.

Manual settings
Manual adjustment can only be performed when the vehicle is stationary.

Select by pressing 🍀 for two seconds, then ▲ to raise, or ▼ to lower.
To exit, press any of the pre-programmed buttons.

Note
Obstacle detection is not available during manual adjustment.

When a certain low speed is exceeded or when the ignition is switched off, height adjustment is deactivated automatically and the suspension height is returned to the normal position.

Service mode
When the vehicle is stationary, press ✯ for five seconds to put the vehicle into service mode. The indicator light will illuminate.

When service mode has been activated, the air suspension master switch must be turned off.
To exit service mode, press ✯ again for five seconds.

Fault
If a fault is detected, ✯ will flash intermittently. If service mode has been activated and there is a fault, 🍀, ▼ and ▲ will flash simultaneously.

Have the cause of the fault remedied by a workshop.
Engine exhaust

Danger

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault rectified by a workshop.

Avoid driving with an open load compartment, otherwise exhaust gases could enter the vehicle.

Diesel particle filter

The diesel particle filter system filters harmful soot particles out of the exhaust gases. The system includes a self-cleaning function that runs automatically during driving without any notification.

The filter is cleaned by periodically burning off the soot particles at high temperature. This process takes place automatically under set driving conditions. Autostop is not available and fuel consumption may be higher during this period. The emission of smells and smoke during this process is normal.

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

If cleaning of the filter is required and if previous driving conditions did not enable automatic cleaning, it will be indicated by illumination of control indicator \( \text{A} \) 97. Seek the assistance of a workshop immediately.

Caution

If the cleaning process is interrupted, there is a risk of provoking severe engine damage.

Cleaning takes place quickest at high engine speeds and loads.

Catalytic converter

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

Caution

Fuel grades other than those listed on page \( \phi \) 168, \( \phi \) 227 could damage the catalytic converter or electronic components.

Unburnt fuel will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

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

If control indicator \( \text{Z} \) flashes, the permitted emission limits may be exceeded. Lift your foot off the accelerator until \( \text{Z} \) stops flashing and is steadily illuminated. Contact a workshop immediately.
Malfunction indicator light 97.

AdBlue

General information

The selective catalytic reduction (BluelInjection) is a method to substantially reduce the nitrogen oxides in the exhaust emission. This is achieved by injecting a Diesel Exhaust Fluid (DEF) into the exhaust system.

The designation of this fluid is AdBlue®. It is a non-toxic, non-flammable, colourless and odourless fluid which consists of 32% urea and 68% water.

⚠️ Warning

Avoid contact of your eyes or skin with AdBlue.
In case of eye or skin contact, rinse off with water.

Caution

Avoid contact of the paintwork with AdBlue.
In case of contact, rinse off with water.

AdBlue freezes at a temperature of approx. -11 °C. As the vehicle is equipped with an AdBlue pre-heater, the emissions reduction at low temperatures is ensured. The AdBlue pre-heater works automatically.

AdBlue gauge

In versions without AdBlue level warnings in the Driver Information Centre, an AdBlue gauge is present, which shows the current AdBlue fluid level remaining in the tank.

AdBlue gauge 91.

Level warnings

The AdBlue consumption is approx. 3.5 litres per 1000 km and depends on the driving behaviour.

Version with level warnings in the Driver Information Centre

If the AdBlue level falls below a certain value, a level warning will be displayed in the Driver Information Centre 102.
Driving and operating

Additionally, control indicator ⚠️ illuminates continuously together with a warning chime.

Refill the AdBlue tank as soon as possible. Refer to "Refilling AdBlue" below.

If AdBlue is not refilled within a certain distance, further level warnings are displayed in the Driver Information Centre depending on the current AdBlue level.

Engine restarts prevented
Subsequent requests to refill AdBlue and finally the announcement that an engine restart will be prevented are displayed in the Driver Information Centre.

Note
These restrictions are a legal requirement.

Before the prevention of an engine restart, a warning message with 0 km is displayed in the Driver Information Centre, indicating that after switching off the ignition an engine restart will be prohibited.

After the prevention of an engine start, a warning message is displayed in the Driver Information Centre reminding the driver that AdBlue level is insufficient.

To allow the engine to be restarted, the tank should be refilled completely or with a volume of at least ten litres of AdBlue, depending on AdBlue consumption.

Warning stages: level warnings, engine restarts prevented
1. ⚠️ illuminates after the ignition is switched on with warning message LEVEL ADBLUE LOW:
   Driving is possible without any restrictions.
   Refill the AdBlue tank as soon as possible.

2. ⚠️ illuminates during driving with warning message TOP UP ADBLUE:
   Possible loss of engine power.
   Refill the AdBlue tank as soon as possible.

3. ⚠️ illuminates during driving with warning message XXX KM STOP ADD ADBLUE:
   Vehicle speed may be limited to 20 km/h after switching the engine off and on again until the range is reduced to 0 km.
   Refill the tank completely or with a volume of at least ten litres of AdBlue (depending on AdBlue consumption) as soon as possible.

4. ⚠️ illuminates during driving with warning message 0 KM STOP ADD ADBLUE:
   The engine cannot be restarted after switching off the ignition.
   To allow the engine to be restarted, refill the tank completely or with a volume of at least ten litres of AdBlue (depending on AdBlue consumption) as soon as possible.
consumption) as soon as possible.

Illumination of control indicator $Y$ may be accompanied by a warning chime.

Warning chimes $\Diamond$ 103.

**High emission warnings**

If the exhaust emission rises above a certain value, warnings similar to the range warnings as described above will be displayed in the Driver Information Centre. Control indicator $Y$ illuminates continuously together with $A$ together with $97$ and a warning chime.

Requests to have the exhaust system checked and finally the announcement that an engine restart will be prevented are displayed in the Driver Information Centre.

**Note**

These restrictions are a legal requirement.

At an AdBlue range of 1100 km, a warning message is displayed in the Driver Information Centre showing the remaining distance the vehicle can travel before engine restarts are prevented. This warning message is repeated every 100 km.

Seek the assistance of a workshop as soon as possible.

**Warning stages: high emission warnings**

1. $Y$ and $A$ illuminate with warning message **CHECK ANTI-POLLUTION:**
   
   Fault in the system that may result in a loss of engine power.
   
   Seek the assistance of a workshop as soon as possible.

2. $Y$ and $A$ illuminate with warning message **ANTIPOLLUTION xxx KM FAIL:**
   
   Indicates that in less than 1100 km an engine restart will be prohibited after switching off the ignition.
   
   This warning message will be repeated every 100 km.
   
   Vehicle speed may be limited to 20 km/h after switching the engine off and on again until the range is reduced to 0 km.
   
   Seek the assistance of a workshop as soon as possible.

3. $Y$ and $A$ illuminate with warning message **ANTIPOLLUTION 0 KM FAILURE:**
   
   The engine cannot be restarted after switching off the ignition.
   
   Seek the assistance of a workshop.

Illumination of control indicators $Y$ and $A$ may be accompanied by a warning chime.

Warning chimes $\Diamond$ 103.

**Version without level warnings in the Driver Information Centre**
When the AdBlue gauge shows the level is very low, control indicator \( \uparrow \) first illuminates continuously, then as AdBlue level drops to a certain amount \( \uparrow \) flashes for a few seconds then illuminates continuously.

Refill the AdBlue tank as soon as possible. Refer to "Refilling AdBlue" below.

Driving is possible without any restrictions.

**Engine power loss**
As the AdBlue level drops further, control indicator \( \uparrow \) flashes for a few seconds then illuminates continuously, accompanied by a warning chime and loss of engine power.

**Note**
These restrictions are a legal requirement.

If AdBlue is not refilled before the tank is empty, \( \uparrow \) flashes and after the next engine restart the vehicle speed will be limited to approx. 20 km/h.

1. Range A. No control indicator:
   Driving is possible without any restrictions.

2. Range B. Control indicator \( \uparrow \) illuminates:
   Refill the AdBlue tank as soon as possible.

3. Range C. Control indicator \( \uparrow \) flashes for a few seconds each time the ignition is switched on, then illuminates continuously:
   Refill the AdBlue tank as soon as possible.

4. Range D. Control indicator \( \uparrow \) flashes for a few seconds each time the ignition is switched on then illuminates continuously, accompanied by a warning chime:
   Loss of engine power.
   Refill the tank completely or with a volume of at least ten litres of AdBlue (depending on AdBlue consumption) as soon as possible.

5. Range E. Tank is empty and \( \uparrow \) flashes accompanied by warning chimes:
   Vehicle speed will be limited to 20 km/h after switching the engine off and on again.
   Refill the tank completely or with a volume of at least ten litres of AdBlue (depending on AdBlue consumption) as soon as possible.
High emission warnings

If the exhaust emission rises above a certain value, control indicator  and illuminates together with 97. Consult a workshop as soon as possible.

If the fault is not rectified within a certain distance,  and flash for a few seconds then illuminate continuously. Loss of engine power.

When the fault is critical,  and flash continuously and after the next engine restart the vehicle speed will be limited to approx. 20 km/h.

Note
These restrictions are a legal requirement.

Seek the assistance of a workshop as soon as possible.

Warning stages: high emission warnings

1.  and  illuminate:
   Fault in the system.
   Seek the assistance of a workshop as soon as possible.

2.  and flash when the engine is started then illuminate continuously:
   Fault in the system resulting in a loss of engine power.
   Seek the assistance of a workshop as soon as possible.

3.  and flash:
   Fault in the system.
   Vehicle speed will be limited to 20 km/h after switching the engine off and on again.
   Seek the assistance of a workshop as soon as possible.

Illumination of control indicators  and  may be accompanied by a warning chime.
Warning chimes 103.

Refilling AdBlue

Caution
Only use AdBlue that complies with European standards DIN 70 070 and ISO 22241-1.
Do not use additives.
Do not dilute AdBlue.
Otherwise the selective catalytic reduction system could be damaged.
Driving and operating

**Note**
If AdBlue must be refilled at very low temperatures, the refilling of AdBlue may not be detected by the system. In this case, park the vehicle in a space with a higher ambient temperature until AdBlue is liquefied.

**Note**
If engine starting is prohibited due to low AdBlue level, we recommend refilling the tank completely or with a volume of at least ten litres of AdBlue (depending on AdBlue consumption).

Avoid minor top-ups (e.g. less than ten litres), otherwise the system may not detect a refill.

**Note**
When unscrewing the protective cap from the filler neck, ammonia fumes may emerge. Do not inhale as the fumes have a pungent smell. The fumes are not harmful by inhalation.

The vehicle must be parked on a level surface.

---

The filler neck for AdBlue is located behind the filler flap located on the right-hand side of the vehicle.

The filler flap can only be opened if the vehicle is unlocked and the right-hand door is opened.

---

**Danger**

Vehicles with stop-start system:
The engine must be switched off and the ignition key removed, to avoid risk of engine being restarted automatically by the system.

---

**Filling station**

**Danger**

Follow the operating and safety instructions of the filling station when refilling AdBlue.

---

1. Switch off engine and remove key from ignition switch.
2. Open right-hand door and pull fuel filler flap to open.
3. Unscrew blue protective cap anticlockwise from the filler neck.
4. Fully insert the pump nozzle into the filler neck and switch it on.
5. When refilling is complete, mount the protective cap and turn clockwise until it engages.
6. Close filler flap and right-hand door.
**AdBlue canister**

**Note**
Only use the designated AdBlue canisters for refilling, to prevent a topping-up of too much AdBlue. Additionally, the fumes in the tank are captured in the canister and do not emerge.

**Note**
Since AdBlue has a limited durability, check the date of expiry before refilling.

1. Switch off engine and remove key from ignition switch.
2. Open right-hand door and pull fuel filler flap to open.
3. Unscrew blue protective cap anticlockwise from the filler neck.
4. Open AdBlue canister.
5. Mount one end of the hose on the canister and screw the other end on the filler neck.
6. Lift the canister until it is empty, or until the flow from the canister has stopped. This can take up to five minutes.
7. Place the canister on the ground to empty the hose, wait 15 seconds.
8. Unscrew the hose from the filler neck.
9. Mount the protective cap and turn clockwise until it engages.
10. Close filler flap and right-hand door.

**Note**
Dispose of AdBlue canister according to environmental requirements. Hose can be reused after flushing with clear water before AdBlue dries out.

**Note**
Allow the vehicle to idle for at least ten seconds to allow the system to detect the AdBlue refill.

Failure to observe this procedure will result in the system only recognising the AdBlue refill after approx. 20 minutes of driving.

If the AdBlue refill is detected successfully, AdBlue level warnings will disappear.

If the AdBlue refill is not detected some time after running the engine, seek the assistance of a workshop.

**Filler cap**
Only use genuine filler caps. AdBlue tank has a special filler cap.

**Fault**
If the system detects an operating fault, control indicator \(\text{\textcopyright}\) illuminates together with \(\text{\textcircled{A}}\) and a warning chime. Seek the assistance of a workshop immediately.

Depending on version, a corresponding message may also appear in the Driver Information Centre \(\text{\textcircled{D}}\) 102.
Manual transmission

To engage reverse, with the vehicle stationary depress the clutch pedal, pull up the collar 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.

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>It is inadvisable to drive with hand resting on the selector lever.</td>
</tr>
</tbody>
</table>

Upshift 98.
Stop-start system 136.

Manual transmission automated

The manual transmission automated (MTA) permits manual (manual mode) or automatic gear shifting (automatic mode), both with automatic clutch control.

Transmission display

Shows the mode and current gear.
Starting the engine
Depress the brake pedal when starting the engine. If the brake pedal is not depressed, \( \text{illuminates in the transmission display and the engine cannot be started.} \)

When the brake pedal is depressed, the transmission automatically shifts to \( N \) (neutral); "N" appears in the transmission display and the engine can be started. There may be a slight delay.

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.

\[ \begin{align*}
N & : \text{neutral} \\
A/M & : \text{switch between automatic and manual mode} \\
R & : \text{reverse gear} \\
+ & : \text{shift to a higher gear.} \\
- & : \text{shift to a lower gear.}
\end{align*} \]

Starting off

When the engine is started, the transmission is in automatic mode. Depress the brake pedal and move the selector lever towards + to engage first gear.

If R is selected, reverse gear is engaged. The vehicle starts to move when the brake pedal is released. To start off quickly, release the brake pedal and accelerate immediately after engaging a gear.

In automatic mode the transmission shifts to other gears automatically, dependent on driving conditions.

To engage manual mode, move the selector lever towards A/M. The current gear will appear in the transmission display.

To engage first gear, depress brake pedal and move selector lever towards + or -. Shift to a higher or lower gear by moving selector lever to + or -. Gears can be skipped by moving the selector lever repeatedly at short intervals.

Stopping the vehicle

In automatic or manual mode, first gear is engaged and the clutch is released when the vehicle is stopped. In R, reverse gear remains engaged.

When stopping on gradients, engage parking brake or depress the brake pedal. To prevent overheating of the clutch, an intermittent audible
Driving and operating

warning may sound as a signal to depress the brake pedal or apply the parking brake.

Switch off engine if stopping for a lengthy period, e.g. in traffic jams.

When the vehicle is parked and the driver's door is opened, a warning chime will sound if neutral is not selected or the brake pedal has not been depressed.

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.

Rocking the vehicle
Rocking the vehicle is only permissible if the vehicle is stuck in sand, mud, snow or a hole. Move the selector lever between R and A/M (or between + and -) in a repeat pattern, while applying light pressure to the accelerator pedal. Do not race the engine and avoid sudden acceleration.

Parking
Apply the parking brake. The most recently engaged gear (see transmission display) remains engaged. With N, no gear is engaged.

When the ignition is switched off, the transmission no longer responds to movement of the selector lever.

If the ignition is not switched off, or the parking brake has not been applied, a warning chime will sound upon opening the driver's door.

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.

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.

Electronic driving programmes

Winter mode 🎁
Activate the Winter mode if you have problems starting off on a slippery road surface.

Activation
Press \( V \). Control indicator \( V \) is shown in the transmission display. The transmission switches to automatic mode and the vehicle starts off in a suitable gear.

Deactivation
The Winter mode is switched off by:
- pressing \( V \) again
- turning off the ignition
- switching to manual mode
In order to protect the transmission at extremely high clutch temperatures, an intermittent audible warning may sound. In such cases, depress the brake pedal, select "N" and apply the parking brake to allow the clutch to cool down.

Laden mode kg

It is possible to use the Laden mode in both manual and automatic modes. In both cases, the gearshifting patterns are adapted automatically for carrying an increased payload.

Activation
Press \( kg \). Control indicator \( kg \) is shown in the transmission display. The transmission will then select optimized gearshift patterns.

Deactivation
The Laden mode is switched off by:
- pressing \( kg \) again
- turning off the ignition

Kickdown
If the accelerator pedal is pressed past the pressure point, the transmission shifts to a lower gear depending on engine speed. Full engine power is available for acceleration.

If engine speed is too high the transmission switches to a higher gear, even in manual mode. Without kickdown this automatic shift is not effected in manual mode.

Fault
In the event of a fault, control indicator \( W \) is shown in the transmission display. Continued driving is possible provided the vehicle is driven with care and anticipation.

Have the cause of the fault remedied by a workshop.
Driving and operating

Interruption of power supply
The clutch is not disengaged if there is an interruption of the power supply when a gear is engaged. The vehicle cannot move.
If the vehicle battery is discharged, start the vehicle using jump leads 213.
If the cause of the fault is not a discharged vehicle battery, seek the assistance of a workshop.
If neutral cannot be selected, the vehicle must only be towed with the drive wheels raised off the ground 215.
Towing the vehicle 215.

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 you depress the brake pedal firmly. You need to use considerably more force for this. The braking distance is extended. Seek the assistance of a workshop before continuing your journey.
When the engine is not running, the support of the brake servo unit disappears once the brake pedal has been depressed once or twice. Braking effect is not reduced, but braking requires significantly greater force. It is especially important to bear this in mind when being towed.
Control indicator 98.

Antilock brake system
Antilock brake system (ABS) prevents the wheels from locking.

ABS starts to regulate brake pressure as soon as a wheel shows a tendency to lock. The vehicle remains steerable, even during hard braking. ABS control is made apparent through a pulse in the brake pedal and the noise of the regulation process.
For optimum braking, keep the brake pedal fully depressed throughout the braking process, despite the fact that the pedal is pulsating. Do not reduce the pressure on the pedal.
Control indicator 98.

Fault
If control indicators and illuminate with the messages CHECK ABS and CHECK ESP in the Driver Information Centre, there is a fault in the ABS. The brake system remains operational but without ABS regulation.
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.

If control indicators ( ), ( ), ( ) and ( ) illuminate, the ABS and ESP are deactivated and the message BRAKING FAULT is shown in the Driver Information Centre. Seek the assistance of a workshop.
Have the cause of the fault remedied by a workshop.

Parking brake

Always apply parking brake firmly without operating the release button, and apply as firmly as possible on a downhill or uphill slope.
To release the parking brake, pull the lever up slightly, press the release button and fully lower the lever.
To reduce the operating forces of the parking brake, depress the brake pedal at the same time.

Warning

Depending on vehicle, the parking brake lever retracts to the horizontal position even with the parking brake applied.
To release the parking brake, press the release button and pull the lever up slightly, then return the lever to the horizontal position.
To apply the parking brake, pull the lever up then release it. The lever returns to the horizontal position.
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.

Brake assist is not available during an Autostop. Stop-start system 136.

Hill start assist

The system helps prevent unintended movement when driving away on inclines.

When releasing the brake pedal after stopping on an incline (with the selector lever in a forward gear or reverse gear), the brakes remain on for a further two seconds. The brakes release automatically as soon as the vehicle begins to accelerate.

Caution

The Hill start assist cannot completely prevent vehicle movement in all situations (extremely steep gradients, etc.). If necessary, depress the brake pedal to prevent the vehicle from rolling forwards or backwards.

The Hill start assist is not active during an Autostop. Stop-start system 136.

Ride control systems

Traction Control system

The Traction Control system (TC) is a component part of the Electronic Stability Program (ESP® Plus) which improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the drive wheels from spinning.

As soon as the drive wheels starts to spin, engine output is reduced and the wheel spinning the most is braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

TC is operational as soon as the ignition is switched on and control indicator  extinguishes in the instrument cluster. A corresponding message also appears in the Driver Information Centre 102.

When TC is active  flashes.
**Warning**

Do not let this special safety feature tempt you into taking risks when driving.
Adapt speed to the road conditions.

Control indicator 99.
Trailer stability assist (TSA) 172.

**Enhanced Traction function**

If necessary, in the event of soft ground, mud or snow-covered road surfaces, the Traction control system (TC) can be deactivated to enhance traction:
Press on the instrument panel.

Control indicator illuminates in the instrument cluster and a corresponding message appears in the Driver Information Centre 102.

When vehicle speed reaches 50 km/h, the system switches automatically from Enhanced Traction function to TC operation.
Control indicator extinguishes in the instrument cluster.

TC is reactivated by pressing again. Control indicator extinguishes.

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

**Fault**

If the system detects a fault, control indicator 99 illuminates together with 97 in the instrument cluster and a corresponding message appears in the Driver Information Centre 102.

The Traction control system (TC) is not operational. Have the cause of the fault remedied by a workshop.
Vehicle messages 103.

**Electronic stability program**

The Electronic Stability Program (ESP®) improves driving stability when necessary, regardless of the type of road surface or tyre grip. It also prevents the drive wheels from spinning.
As soon as the vehicle starts to swerve (understeer/oversteer), engine output is reduced and the wheels are braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

ESP® Plus is operational as soon as the ignition is switched on and control indicator ≤ extinguishes in the instrument cluster. A corresponding message also appears in the Driver Information Centre 102.

When ESP® Plus comes into action ≤ flashes.

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**Warning**

Do not let this special safety feature tempt you into taking risks when driving.
Adapt speed to the road conditions.

Control indicator ≤ 99.
Trailer stability assist (TSA) 172.

---

**Enhanced Traction function**

If necessary, in the event of soft ground, mud or snow-covered road surfaces, ESP® Plus can be deactivated to enhance traction:
Press ♂ on the instrument panel.

Control indicator ♂ illuminates in the instrument cluster and a corresponding message appears in the Driver Information Centre 102.

When vehicle speed reaches 50 km/h, the system switches automatically from Enhanced Traction function to ESP® Plus operation. Control indicator ♂ extinguishes in the instrument cluster.
EPS® Plus is reactivated by pressing ♂ again. Control indicator ♂ extinguishes.
EPS® Plus is also reactivated the next time the ignition is switched on.
Engine Drag Torque Control
The engine drag torque control system is an integral feature of ESP® Plus. When downshifting under slippery road conditions, the engine speed and torque increases to help prevent locking of the drive wheels during sudden deceleration.

Fault
If the system detects a fault, control indicator 99 illuminates together with 97 in the instrument cluster and a corresponding message appears in the Driver Information Centre 102.

The Electronic Stability Program (ESP® Plus) is not operational. Have the cause of the fault remedied by a workshop.

Vehicle messages 103.

Limited-slip rear axle
Rear-wheel drive vehicles may be equipped with an automatic locking rear differential which automatically controls the torque transmitted to each rear wheel, enhancing traction in the event of soft ground, mud or snow-covered road surfaces.

Warning
Do not let this special safety feature tempt you into taking risks when driving.
Adapt speed to the road conditions.

When vehicle speed reaches 30 km/h, or once the rear wheels return to surfaces with normal grip, e.g. paved roads, the system automatically deactivates, sometimes accompanied by a noise (with no consequence to vehicle behaviour).

The system can also be deactivated manually once normal grip conditions have resumed by briefly releasing the accelerator.

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 30 km/h and above. Deviations from the stored speeds may occur when driving uphill or downhill. The stored speed will flash in the Driver Information Centre 102.
Driving and operating

For safety reasons the cruise control cannot be activated until the brake pedal has been operated once.

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

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

Control indicators and 101.

Activation

Cruise control is now in standby mode and a corresponding message appears in the Driver Information Centre.

Accelerate to the desired speed and press + or –. The current speed is now stored and maintained and the accelerator pedal can be released.

Vehicle speed can be increased by depressing the accelerator pedal. The stored speed flashes in the instrument cluster. When the accelerator pedal is released, the previously stored speed is resumed.

Cruise control remains activated while gearshifting.

The speed is saved until the ignition is switched off.
Increase speed

With cruise control active, the vehicle speed can be increased continuously or in small increments by holding down or tapping + repeatedly. When the switch is released the current speed is stored and maintained. Alternatively, accelerate to the desired speed and store by pressing +.

Reduce speed

With cruise control active, the vehicle speed can be decreased continuously or in small increments by holding down or tapping – repeatedly. When the switch is released the current speed is stored and maintained.

Deactivation

Press O: cruise control is deactivated and the green control indicator ☹ extinguishes in the instrument cluster.

Automatic deactivation:
- vehicle speed drops below 30 km/h
- the brake pedal is depressed
- the clutch pedal is depressed
- selector lever in N

The speed is stored and a corresponding message appears in the Driver Information Centre.

Reactivation

Press R at a speed above 30 km/h. If the stored speed is much higher than the current speed, the vehicle will accelerate powerfully until the stored speed is obtained.

Pressing + will also reactivate the cruise control function, but at the current vehicle speed only, not the stored speed.

Deleting the stored speed

Press ☹: Green control indicators ☹ and ☹ extinguish in the instrument cluster.

Cruise control speed limiter

The speed limiter prevents the vehicle exceeding a preset maximum speed above 30 km/h.
Activation

Press $, control indicator $ illuminates yellow in the instrument cluster.

Cruise control speed limiter function is now in standby mode and a corresponding message appears in the Driver Information Centre.

Accelerate to the desired speed and press $ or $. The current speed is recorded.

The vehicle can be driven normally but it will not be possible to exceed the programmed speed limit except in an emergency.

Where the limit speed cannot be maintained, e.g. when driving on a steep decline, the limit speed will flash in the Driver Information Centre.

Increase limit speed
The limit speed can be increased continuously or in small increments by holding down or tapping $ repeatedly.

Reduce limit speed
The limit speed can be decreased continuously or in small increments by holding down or tapping $ repeatedly.

Exceeding the limit speed
In the event of an emergency it is possible to exceed the limit speed by depressing the accelerator pedal firmly beyond the point of resistance.

The limit speed will flash in the Driver Information Centre during this period.

Release the accelerator pedal and the speed limiter function is reactivated once a speed lower than the limit speed is obtained.

Note
In vehicles fitted with a Speed limiter, fully depressing the accelerator pedal will not allow you to exceed the set maximum vehicle speed. Speed limiter $ 163.

Deactivation
Press $: speed limiter is deactivated and the vehicle can be driven normally.

The limit speed is stored and a corresponding message appears in the Driver Information Centre.

Reactivation
Press R. The speed limiter function is reactivated.

Pressing $ will also reactivate the speed limiter function, but at the current vehicle speed only, not the stored speed.

Deleting the limit speed
Press $.

Yellow control indicator $ extinguishes in the instrument cluster.
Speed limiter

Maximum speed limiter

In accordance with local or national regulations, the vehicle may be equipped with a fixed maximum speed limiter that cannot be disabled.

If equipped, a warning label indicating the fixed maximum speed limit (90 to 130 km/h) is located on the instrument panel.

Deviations from the maximum speed limit may occur briefly when driving downhill, for physical reasons.

A warning buzzer may sound for ten seconds if the vehicle briefly exceeds the set limit.

Vehicles also equipped with cruise control speed limiter: the maximum speed cannot be exceeded by depressing the accelerator pedal firmly beyond the point of resistance.

Cruise control speed limiter 159.

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 parking assist makes reverse parking easier by measuring the distance between the rear of the vehicle and obstacles.

The system consists of four ultrasonic parking sensors in the rear bumper.

Note

Attached parts in the detection area cause system malfunction.

Activation

When reverse gear is engaged, the system switches itself on automatically. Readiness for operation is indicated by a brief acoustic signal.

An obstacle is indicated by buzzers. The interval between the buzzers becomes shorter as the vehicle gets closer to the obstacle. When the distance is less than 30 cm, the buzzer is continuous.
Deactivation

It is possible to permanently or temporarily deactivate the system.

Temporary deactivation
Temporarily deactivate the system by pressing \( P \) on the instrument panel with the ignition on. LED illuminates in the button when deactivated.

When reverse gear is selected, no acoustic signal will sound, indicating deactivation.

The function is reactivated by pressing \( P \) again or the next time the ignition is switched on.

Permanent deactivation
Permanently deactivate the system by pressing and holding \( P \) on the instrument panel for approx. three seconds with the ignition on. LED illuminates continuously in the button when permanently deactivated.

The system is deactivated and will not operate. When reverse gear is selected, no acoustic signal will sound, indicating deactivation.

The function is reactivated by pressing and holding \( P \) for approx. three seconds.

Fault
If the system detects an operating fault, when selecting reverse gear a continuous acoustic alarm will sound for approx. three seconds. Consult a workshop to have the cause of the fault remedied.

Caution

When reversing, the area should be free from obstacles which could impact on the underside of the vehicle.

Impact to the rear axle, which may not be visible, could lead to uncharacteristic changes in the vehicle handling. In the event of such an impact, consult a workshop.

Basic notes on parking assist system

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 sensors 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 involved (e.g. off-road vehicles, mini vans, vans). Object identification 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.

The parking assist system will not detect objects which are out of the detection range of the sensors.

---

**Warning**

The rear view camera does not replace driver vision. Note that objects that are outside the camera's field of view, e.g. below the bumper or underneath the vehicle, are not displayed.

Do not reverse the vehicle by only looking at the display and check the surrounding area behind and around the vehicle before reversing.

---

**Rear view camera**

The rear view camera assists the driver when reversing by displaying a view of the area behind the vehicle in either the interior mirror or the Infotainment system display screen.

The camera is typically installed on the rear doors/tailgate, beneath the number plate moulding.

---

The area displayed by the camera is limited. The distance of the image that appears on the display differs from the actual distance.

**Note**

To achieve the optimum visibility, the rear view camera must not be obscured by dirt, snow or ice.

**Activation**

**Interior mirror display screen**

Rear view camera display is automatically activated when reverse gear is engaged. An audible signal confirms activation.
Driving and operating

Infotainment system display screen

In vehicles with Navigation system, the rear view camera display is shown on the Infotainment system display screen.

Trajectory lane display image (1)

Depending on version, the trajectory lane (1) of the vehicle is shown in blue on the Info-Display. It shows the path of the vehicle in accordance with the steering angle.

Fixed lane display image (2)

The fixed lane display (2) shows the path of the vehicle if the wheels are kept straight.

Guide lines (3, 4, 5) are used together with the fixed lane display (2) and indicate the distance behind the vehicle.

The guide line intervals are as follows:
- 3 (red) : 30 cm
- 4 (yellow) : 70 cm
- 5 (green) : 150 cm

Settings

Settings, e.g. brightness, can be set via the Infotainment system. Refer to Infotainment manual for further information.

Deactivation

The camera is deactivated after a delay if reverse gear is not engaged.

Fault

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

Clean the lens, rinse it with water, and wipe it with a soft cloth

Fault

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

Deactivation

The camera is deactivated after a delay if reverse gear is not engaged.

Fault

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
Driving and operating

- the rear doors/tailgate are not closed correctly
- the vehicle had a rear-end accident
- there are extreme temperature changes

Lane departure warning

The lane departure warning system uses a front camera to observe the lane markings between which the vehicle is driving. 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 and lane-change signals
- 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 the button in the roof console; LED in the button extinguishes to indicate that the system is switched on.

When control indicator 98 illuminates in the instrument cluster, the system is ready to operate. A corresponding message also appears in the Driver Information Centre.

Control indicator extinguishes when the system is not ready to warn the driver.

The system is only operable at vehicle speeds above 60 km/h and if lane markings are available and detected.

If the turn and lane-change signals are not operated when changing lanes, i.e. an unintended lane change
Driving and operating

is detected, control indicator visual flashes together with a warning chime to alert the driver.

Deactivation

The system is deactivated by pressing ; LED in the button illuminates. A corresponding message also appears in the Driver Information Centre.

At speeds below 60 km/h the system is inoperable.

Operation hints

The lane departure warning system may not operate properly when:

- The windscreen is not clean.
- There are adverse environmental conditions like heavy rain, snow, direct sunlight or shadows.

The system cannot operate when no lane marking is detected.

Fault

In the event of a fault in the system, a warning message appears in the Driver Information Centre (possibly in combination with control indicator visual) and the LED in the button illuminates.

Seek the assistance of a workshop. Driver Information Centre 102.

Fuel

Fuel for diesel engines

Only use diesel fuel that complies with EN 590. The fuel must have low sulphur content (max. 10 ppm). Equivalent standardised fuels with a biodiesel (= FAME according to EN14214) content of max. 7% by volume (like DIN 51628 or equivalent standards) may be used.

In countries outside the European Union use Euro-Diesel fuel with a sulphur concentration below 50 ppm.

Caution

Use of fuel that does not comply to EN 590 or similar can lead to engine power loss, increased wear or engine damage and may affect your warranty.

Do not use marine diesel oils, heating oils or entirely plant-based diesel fuels, such as rape seed oil or bio diesel, Aquazole and similar diesel-
Driving and operating

water emulsions. Diesel fuels must not be diluted with fuels for petrol engines.
The flow and filterability of diesel fuels are temperature-dependent. When temperatures are low, refuel with diesel fuel with guaranteed winter properties.
Diesel fuel filter  183, diesel fuel system bleeding  183.

Refuelling

<table>
<thead>
<tr>
<th>Danger</th>
</tr>
</thead>
</table>
| Before refuelling, switch off engine and any external heaters with combustion chambers. Switch off any mobile phones.
Follow the operating and safety instructions of the filling station when refuelling. |

<table>
<thead>
<tr>
<th>Caution</th>
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</thead>
<tbody>
<tr>
<td>In case of misfuelling, do not switch on ignition.</td>
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</tbody>
</table>

The fuel tank filler neck with bayonet cap is located on the left front side of the vehicle.
The fuel filler flap can only be opened if the vehicle is unlocked and the door is opened. Open the fuel filler flap by hand.

<table>
<thead>
<tr>
<th>Danger</th>
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</thead>
<tbody>
<tr>
<td>Vehicles with stop-start system: The engine must be switched off and the ignition key removed, to avoid risk of engine being restarted automatically by the system.</td>
</tr>
</tbody>
</table>

Capacities  245.

Remove the fuel filler cap by turning it anti-clockwise.
The fuel filler cap can be hung on the lower hook of the fuel filler flap.
For refuelling, fully insert the pump nozzle and switch it on.
After automatic cut-off, it can be topped up by operating the pump nozzle a maximum of two more times.

**Caution**

Wipe off any overflowing fuel immediately.

When refuelling is complete, replace the fuel filler cap and turn it clockwise. Close the fuel filler flap.

**Fuel filler cap**

Only use genuine fuel filler caps. Diesel-engined vehicles have special fuel filler caps.

**Fuel consumption - CO₂-Emissions**

The fuel consumption (combined) of the model Opel Movano is within a range of approx. 10.5 to 15.2 km/l.

The CO₂ emission (combined) is within a range of approx. 173 to 248 g/km.

For the values specific to your vehicle, refer to the EEC Certificate of Conformity provided with your vehicle or other national registration documents.

**General information**

The official fuel consumption and specific CO₂ emission figures quoted relate to the EU base model with standard equipment.

Fuel consumption data and CO₂ emission data are determined according to regulation R (EC) No. 715/2007 (in the latest applicable version), taking into consideration the vehicle weight in running order, as specified by the regulation.

The figures are provided only for the purpose of comparison between different vehicle variants and must not be taken as a guarantee for the actual fuel consumption of a particular vehicle.

Additional equipment may result in slightly higher results than the stated consumption and CO₂ figures. Furthermore, fuel consumption is dependent on personal driving style as well as road and traffic conditions.
**Trailer hitch**

**General information**
Only use towing equipment that has been approved for your vehicle. Entrust fitting of towing equipment at a later date to a workshop. It may be necessary to make changes that affect the cooling system, heat shields or other equipment.

**Driving characteristics and towing tips**
In the case of trailers with brakes, attach the breakaway stopping cable. 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 the use of a stabiliser is recommended.

A maximum speed of 80 km/h must not be exceeded, even in countries where higher speeds are permitted.

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 246.

**Trailer towing**

**Trailer loads**
The permissible trailer loads are vehicle-dependent and engine-dependent maximum values which must not be exceeded. The actual trailer load is the difference between the actual gross weight of the trailer and the actual coupling socket load with the trailer coupled.

The permissible trailer loads are specified in the vehicle documents. In general, they are valid for gradients up to max. 12%.

The permitted trailer load applies up to the specified incline and up to an altitude of 1000 metres above sea level. Since engine power decreases as altitude increases due to the air becoming thinner, therefore reducing climbing ability, the permissible gross train weight also decreases by 10% for every 1000 metres of additional altitude. The gross train weight does not have to be reduced when driving on roads with slight inclines (less than 8%, e.g. motorways).

The permissible gross train weight must not be exceeded. This weight is specified on the identification plate 225.

**Vertical coupling load**
The vertical coupling load is the load exerted by the trailer on the coupling ball. It can be varied by changing the weight distribution when loading the trailer.

The maximum permissible vertical coupling load is specified on the towing equipment identification plate and in the vehicle documents. Always aim for the maximum load, especially in the case of heavy trailers. The vertical coupling load should never fall below 25 kg.
In the case of trailer loads of 1200 kg or more, the vertical coupling load should not be less than 50 kg.

**Rear axle load**

When the trailer is coupled and the towing vehicle fully loaded (including all occupants), the permissible rear axle load (see identification plate or vehicle documents) must not be exceeded.

**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>

**Towing equipment audible warning**

For vehicles fitted with towing equipment, when connected to a trailer the pitch of the audible warning changes upon operation of the turn signals.

The pitch of the audible warning will change if a turn signal light on the trailer or the towing vehicle fails.

**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 the system is working, keep steering wheel as still as possible.

Trailer stability assist (TSA) is a function of the Electronic Stability Program (ESP) 157.

**Auxiliary features**

**Power take-off**

To activate the power take-off, with the vehicle stationary and the engine idling:

- Set the gearshift lever to neutral (vehicles with manual transmission automated: selector lever in position N).
- Depress the clutch pedal.
Driving and operating

- Press switch on the instrument panel; LED in switch illuminates after approx. two seconds.
- Release the clutch pedal.

The engine idle speed increases to 1,200 rpm.

Caution

During operation of the power take-off, never move the selector lever out of neutral (vehicles with manual transmission automated: selector lever in position N), to avoid damage to the transmission.

If a gear change becomes necessary, i.e. to adjust the driving speed, the power take-off must always be deactivated first.

Deactivation

To deactivate the power take-off:
- Depress the clutch pedal.
- Press switch on the instrument panel; LED in switch extinguishes after approx. two seconds.
- Release the clutch pedal.

Fault

If the LED in the switch does not illuminate when attempting to activate the power take-off and/or the system does not operate:
Gradually release the clutch pedal.

- or -
- Set the gearshift lever to neutral (vehicles with manual transmission automated: selector lever in position N).
- Depress the clutch pedal.
- Press switch on the instrument panel; LED in switch illuminates after approx. two seconds.
- Release the clutch pedal.

Then repeat the above procedure.

Note

The power take-off function is not available when control indicator \( A_{397}, C_{398} \) or \( W_{99} \) is illuminated.
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 impact fuel consumption, CO₂ emissions and other emissions of the vehicle and cause the vehicle to no longer conform to the type approval, impacting the validity of your vehicle registration.

Vehicle care

Vehicle storage

Storage for a long period of time

If the vehicle is to be stored for several months:

- Wash and wax the vehicle.
- Have the wax in the engine compartment and underbody checked.
- Clean and preserve rubber seals.
- Change engine oil.
- Drain washer fluid reservoir.
- Check coolant antifreeze and corrosion protection.
- Adjust tyre pressure to the value specified for full load.
- Park vehicle in a dry, well ventilated place. Engage first or reverse gear. Prevent the vehicle from rolling.
- Do not apply parking brake.
- Open bonnet, close all doors and lock the vehicle.
- Disconnect the clamp from the negative terminal of the vehicle battery. Beware that all systems are not functional, e.g. anti-theft alarm system.

Putting back into operation

When the vehicle is to be put back into operation:

- Connect the clamp to the negative terminal of the vehicle battery. Activate the electronics of the power windows.
- Check tyre pressure.
- Fill up the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.
- Fit the number plate, if necessary.
End-of-life vehicle recovery

Information on end-of-life vehicle recovery centres and the recycling of end-of-life vehicles is available on our website, where legally required. Only entrust this work to an authorised recycling centre.

Vehicle checks

Performing work

⚠️ Warning

Only perform engine compartment checks when the ignition is off. The vehicle must not be in an Autostop ⬇️ 136. The cooling fan may start operating even if the ignition is off.

⚠️ Danger

The ignition system generates extremely high voltages. Do not touch.

The caps for topping up the engine oil, the coolant, the washer fluid and the oil dipstick handle are yellow for ease of identification.

Bonnet

Opening

Pull the release lever and return it to its original position.
Pull the safety catch, located slightly left of centre, and open the bonnet.

Pull up the support rod from its holder, then secure it in the right side hook on the underside of the bonnet.

If the bonnet is opened during an Autostop, the engine will be restarted automatically for safety reasons.

Stop-start system ⇒ 136.

Caution
Ensure the windscreen wiper is switched off before opening the bonnet ⇒ 85.

Closing
Before closing the bonnet, press the support into the holder.
Lower the bonnet and allow it to drop into the catch from a low height (20-25 cm). Check that the bonnet is engaged.

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

⚠️ Warning
In the event of even a minor head-on collision, have the bonnet safety catch checked by a workshop.

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 ⇒ 222.
The maximum engine oil consumption is 0.6 litres per 1000 km.
Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least ten minutes.
Pull out the dipstick, wipe it clean, insert it to the stop on the handle, pull out and read the engine oil level.
When the engine oil level has dropped to the MIN mark, top-up engine oil.

**Caution**

Do not allow the engine oil level to drop below the minimum level!

We recommend the use of the same type of engine oil that was used at the last change.

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

- **Caution**
  - Overfilled engine oil must be drained or suctioned out.

To prevent spillage when replenishing the engine oil, we recommend using a funnel. Ensure funnel is securely located onto the filler pipe.

A stabilization of the engine oil consumption will not take place until the vehicle has been driven several thousand kilometres. Only then can the actual degree of consumption be established.

If consumption exceeds more than 0.6 litres every 1000 km after this running-in period, consult a workshop.

Capacities 245, Engine oil level monitor 92.

Fit the cap on straight and tighten it.

**Engine coolant**

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

- **Caution**
  - Only use approved antifreeze.
**Coolant level**

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Too low a coolant level can cause engine damage.</td>
</tr>
</tbody>
</table>

If the cooling system is cold, the coolant level should be just above the MINI mark. Top up if the level is low.

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allow the engine to cool before opening the cap. Carefully open the cap, relieving the pressure slowly.</td>
</tr>
</tbody>
</table>

Top up with antifreeze. If no antifreeze is available, use clean tap water or distilled water. Install the cap tightly. Have the antifreeze concentration checked and have the cause of the coolant loss remedied by a workshop.

If a substantial amount of coolant is required, it will be necessary to bleed any trapped air from the cooling system. Seek the assistance of a workshop.

**Power steering fluid**

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely small amounts of contamination can cause steering system damage and cause it to not work properly. Do not allow contaminates to contact the fluid side of the reservoir cap or from entering the reservoir.</td>
</tr>
</tbody>
</table>

The fluid level normally does not need to be checked. If an unusual noise is heard during steering or if the power steering reacts conspicuously, seek the assistance of a workshop.

Depending on vehicle, the power steering fluid reservoir may be located in the engine compartment (Type A) or below the front wheel arch, behind a trim panel (Type B).

**Type A**

If the fluid level in the reservoir falls below the MINI mark, consult a workshop.
Type B

If the fluid level in the reservoir falls below the MIN mark, consult a workshop.

Washer fluid

Fill with clean water mixed with a suitable quantity of 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. Use of washer fluid containing isopropanol can damage exterior lamps.

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 linings 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.

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

Only use brake fluid approved for your vehicle.

Brake and clutch fluid 222.

Vehicle battery

The jump start terminal is located in the engine compartment.

Jump starting 213.

The vehicle battery is maintenance-free provided that the driving profile allows sufficient charging of the battery. Short-distance-driving and frequent engine starts can discharge the battery. Avoid the use of unnecessary electrical consumers.

Control indicator illuminates if there is a fault with the charging system. Stop, switch off engine and seek the assistance of a workshop.

Charging system 97.

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

Laying up the vehicle for more than four weeks can lead to battery discharge. Disconnect the clamp from the negative terminal of the vehicle battery.

Danger

Ensure the ignition is switched off completely (the vehicle must not be in an Autostop) before connecting or disconnecting the vehicle battery.

Stop-start system 136.

Battery discharge protection 115.

Battery access

The battery is located behind a panel in the front left-hand door step. Remove the panel to access the battery.
Replacing the vehicle battery
In vehicles with an AGM (Absorptive Glass Mat) battery, ensure the battery is replaced with another AGM battery.

An AGM battery can be identified by the label on the battery. We recommend the use of an original Opel vehicle battery.

Note
Using an AGM vehicle battery different from the original Opel vehicle battery may result in a lower performance of the stop-start system.

Seek the assistance of a workshop to have the vehicle battery replaced. Stop-start system  136.

Charging the vehicle battery

⚠️ Warning
On vehicles with stop-start system, ensure that the charging potential does not exceed 14.6 volts when using a battery charger. Otherwise the vehicle battery might be damaged.

⚠️ Danger
Ensure adequate ventilation when charging the battery. There is a risk of explosion if gases generated during charging are allowed to accumulate!

Jump starting  213.

Warning label

Meaning of symbols:
- No sparks, naked flames or smoking.
- Always shield eyes. Explosive gases can cause blindness or injury.
- Keep the vehicle battery out of reach of children.
- The vehicle battery contains 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.

Additional battery

Depending on the vehicle's auxiliary equipment, certain models may have an additional battery mounted under the right-hand front seat.

**Note**
The additional battery is automatically connected to the main vehicle battery only when the engine is running. It does not need to be manually disconnected before disconnecting the main vehicle battery or before jump starting the vehicle.

Jump starting

**Diesel fuel filter**

Drain diesel fuel filter of residual water at every engine oil change.
Place a container underneath the filter housing. Loosen the knurled screws on the filter cover and on the lower part of the filter by approx. one turn, to drain off the water.

The filter is drained as soon as diesel fuel emerges from the knurled screw at the bottom. Retighten the two screws.

Check diesel fuel filter at shorter intervals if the vehicle is subjected to extreme operating conditions.

**Diesel fuel system bleeding**

If the fuel tank has been run dry, it will be necessary to air vent or bleed the diesel fuel system.
Fill the tank with fuel and proceed as follows:

1. Place a suitable container underneath the fuel filter vent screw to collect fuel.
2. Loosen the vent screw (arrowed) by one turn.
3. Manually operate the in-line supply pump slowly and steadily until fuel discharging from the loosened vent screw is free of air bubbles.
4. Retighten the vent screw.

In vehicles without an in-line supply pump, fill the tank with fuel and proceed as follows:

3. Repeat Step 1 and 2 multiple times.
4. Turn key to position 3, then return to 0.

If the engine cannot be started after several attempts to bleed the diesel fuel system, seek the assistance of a workshop.

Wiper blade replacement

Wiper blades on the windscreen

If required, use the step located below the headlights to reach the windscreen wiper.

Caution

Do not turn ignition key to position 3 before beginning the bleeding procedure.

Ignition switch positions 134.

1. Turn ignition key to position 2 and hold for five seconds.
2. Turn key back to position 1 and wait for three seconds.

Lift wiper arm, press retaining clip towards wiper arm and detach wiper blade.

Attach the wiper blade slightly angled to the wiper arm and push until it engages.

Lower wiper arm carefully.
Bulb replacement

Ensure the ignition is switched off completely (the vehicle must not be in an Autostop 136) and turn 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.

Bulb check

After a bulb replacement, switch on the ignition, operate and check the lights.

Performing work 176.

Headlights

Headlights have separate systems for high beam 1 and low beam 2.

High beam

1. Remove headlamp protective cover.
2. Detach wiring connector from bulb holder.
3. Release spring clip and withdraw bulb holder from reflector housing.

4. Detach bulb from bulb holder and renew the bulb.

5. Insert bulb holder in reflector housing.

6. Secure with spring clip and attach wiring connector to bulb holder.

7. Install headlamp protective cover.

---

**Low beam**

1. Remove headlamp protective cover.

2. Detach wiring connector from bulb holder.

3. Rotate bulb holder anti-clockwise to disengage.

4. Withdraw bulb holder from reflector housing.

5. Detach bulb from bulb holder and renew the bulb.

6. Insert the bulb holder, engaging the two lugs in the reflector housing and rotate clockwise to secure.

7. Attach wiring connector to bulb holder.

8. Install headlamp protective cover.
Sidelights

1. Remove protective cover.
2. Detach wiring connector from bulb holder.
3. Rotate bulb holder anti-clockwise to disengage.
4. Withdraw bulb holder from reflector housing.
5. Detach bulb from bulb holder and renew the bulb.
6. Insert the bulb holder, engaging the two lugs in the reflector housing and rotate clockwise to secure.
7. Attach wiring connector to bulb holder.
8. Install protective cover.

Adaptive forward lighting

Cornering light

Headlights have separate systems for high beam 1 and low beam 2. The cornering light 3 is located between the headlights.

1. Remove protective cover.
2. Detach wiring connector from bulb holder.
3. Rotate bulb holder anti-clockwise to disengage.
4. Withdraw bulb holder from reflector housing.
Vehicle care

5. Detach bulb from bulb holder and renew the bulb.
6. Insert the bulb holder, engaging the two lugs in the reflector housing and rotate clockwise to secure.
7. Attach wiring connector to bulb holder.
8. Install protective cover.

Fog lights
Have the front fog light bulbs replaced by a workshop.

Front turn signal lights

1. Remove protective cover.
2. Detach wiring connector from bulb holder.
3. Rotate bulb holder anti-clockwise to disengage.
4. Withdraw bulb holder from reflector housing.
5. Detach bulb from bulb holder and renew the bulb.
6. Insert the bulb holder, engaging the two lugs in the reflector housing and rotate clockwise to secure.
7. Attach wiring connector to bulb holder.
8. Install protective cover.
**Tail lights**

Rear brake, tail, turn signal, reverse and fog tail lights

1. Remove the upper and lower trim panels from the rear pillar.
2. Unscrew the two nuts from the locating pins on the rear of the lamp assembly.
3. Withdraw the lamp assembly rearwards from the outer side.
4. Detach wiring connector from lamp assembly.
5. Remove the three screws from the rear of the lamp assembly.
6. Remove bulb holder from the lamp assembly.
7. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb.
   - Turn signal light (1)
   - Tail and brake light (2)
   - Reverse light (3)
   - Rear fog light, may be on one side only (4)
8. Replace bulb holder in lamp assembly.
9. Replace the three screws on the rear of the lamp assembly.
10. Reattach wiring connector to lamp assembly.
11. Replace lamp assembly from the outer side into original position, ensuring that it is seated correctly.
12. Replace the two nuts onto the locating pins on the rear of the lamp assembly.
13. Install the upper and lower trim panels to the rear pillar.
Crew Cab, Chassis Cab
Rear brake, tail, turn signal, reverse and fog tail lights

1. Remove the four screws from the lens.
2. Remove lens from the aperture.

3. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb.
   Turn signal light (1)
   Tail and brake light (2)
   Reverse light (3)
   Rear fog light, may be on one side only (4)
4. Install lens in aperture and replace the four screws.

Side turn signal lights
1. Push the lamp assembly to the right and pull at the left-hand side of the lamp assembly to release from the aperture.
2. Detach wiring connector from lamp assembly.
3. Remove bulb holder from lamp assembly by rotating 90° and renew bulb.
4. Install bulb holder in lamp assembly.
5. Attach wiring connector to lamp assembly.
6. Insert lamp assembly into aperture and push to the left to secure.

**Mirror turn signal lights**

1. Move the lower mirror assembly from the front to access the screw.
2. Remove the screw using a torx screwdriver.
3. Remove bulb holder from the rear of the lower mirror assembly.
4. Renew bulb.
5. Install bulb holder in lower mirror assembly.
6. Replace the screw.

**Centre high-mounted brake light**

1. Remove cover from the inside of the rear door.
2. Unscrew the nut from the locating pin at the rear of the lamp assembly.
3. Remove the lamp assembly from the aperture on the outer side.
4. Detach wiring connector from lamp assembly.
5. Remove bulb holder from lamp assembly and renew bulb.
6. Install bulb holder in lamp assembly and reattach wiring connector to lamp assembly.
7. Replace lamp assembly into aperture, ensuring that it is seated correctly.
8. Replace the nut onto the locating pin on the rear of the lamp assembly.
9. Install cover on the inside of the rear door.

**Number plate light**

1. Unclip lamp assembly using a flat blade screwdriver.
2. Detach wiring connector from lamp assembly.
3. Remove lens cover and renew bulb.
4. Install lens cover and attach wiring connector to lamp assembly.
5. Install lamp assembly.

**Crew Cab, Chassis Cab**

1. Remove the two screws from the lens cover.
2. Remove lens cover and renew bulb.
3. Install the lens cover and replace the two screws.

**Interior lights**

**Front courtesy light**

1. Remove lamp assembly using a flat blade screwdriver.
2. Renew bulb.
3. Install lamp assembly.
Load compartment light

1. Remove lamp assembly using a flat blade screwdriver.
2. Detach wiring connector from lamp assembly.
3. Remove lens cover and renew bulb.
4. Install lens cover and attach wiring connector to lamp assembly.
5. Install lamp assembly.

Front door panel light

1. Remove lamp assembly using a flat blade screwdriver.
2. Rotate bulb holder anti-clockwise to disengage.
3. Renew bulb and insert the bulb holder.
4. Install lamp assembly.

Rear courtesy lights
Have bulbs replaced by a workshop.

Glovebox light
Have bulbs replaced by a workshop.

Instrument panel illumination
Have bulbs replaced by a workshop.
Data on the replacement fuse must match the data on the defective fuse. There are two fuse boxes in the vehicle:

- on the left-hand side of the instrument panel, behind the trim panel
- in the engine compartment located below the coolant expansion tank

Combi
An additional fuse box is located behind a trim panel on the right-hand side of the load compartment, beside the rear door.

Bus
An additional fuse box is located on the lower right-hand side of the load compartment, below the step trim panel.

Before replacing a fuse, turn off the respective switch and the ignition.

It is advisable to carry a full set of fuses. Consult a workshop. Some functions are protected by several fuses. Fuses may also be inserted without existence of a function.

**Note**
Not all fuse box descriptions in this manual may apply to your vehicle. When inspecting the fuse box, refer to the fuse box label.

**Fuse extractor**

A blown fuse can be recognised by its melted wire. Do not replace the fuse until the cause of the fault has been remedied.
To help in replacing fuses, a fuse extractor is located in the instrument panel fuse box.

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

**Engine compartment fuse box**

Located below the coolant expansion tank.
Some circuits may be protected by several fuses.
Due to restricted accessibility, have fuses replaced by a workshop.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚡</td>
<td>Right side lights</td>
</tr>
<tr>
<td>⚡</td>
<td>Left side lights</td>
</tr>
<tr>
<td>⚡</td>
<td>Right low beam</td>
</tr>
<tr>
<td>⚡</td>
<td>Left low beam</td>
</tr>
<tr>
<td>⚡</td>
<td>Front fog light</td>
</tr>
<tr>
<td>⚡</td>
<td>Left high beam</td>
</tr>
<tr>
<td>⚡</td>
<td>Right high beam</td>
</tr>
<tr>
<td>⚡</td>
<td>ABS</td>
</tr>
<tr>
<td>⚡</td>
<td>Windscreen wiper</td>
</tr>
</tbody>
</table>

**Symbol** | **Circuit**                      |  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>🌞</td>
<td>Heating and ventilation system / Air conditioning</td>
</tr>
<tr>
<td>🌧️</td>
<td>Heated windscreen</td>
</tr>
<tr>
<td>🎉</td>
<td>Pneumatic suspension</td>
</tr>
</tbody>
</table>

**Instrument panel fuse box**

Located behind the trim panel on the left-hand side of the instrument panel.
Pull upper part of trim panel to remove.
Do not store any objects behind this panel.
Some circuits may be protected by several fuses.

### Symbol Circuit

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚡️</td>
<td>Infotainment system / Seat heating / Driver Information Centre / Audio connections / Alarm</td>
</tr>
<tr>
<td>⚡️</td>
<td>Power outlet</td>
</tr>
<tr>
<td>⚡️</td>
<td>Cigarette lighter</td>
</tr>
<tr>
<td>⚡️</td>
<td>Instrument panel</td>
</tr>
<tr>
<td>⚡️</td>
<td>Central locking</td>
</tr>
<tr>
<td>⚡️</td>
<td>Interior lights</td>
</tr>
<tr>
<td>⚡️</td>
<td>Turn signals / Rear fog lights / Body control module</td>
</tr>
<tr>
<td>DIAG</td>
<td>Diagnostic connector</td>
</tr>
<tr>
<td>DIAG</td>
<td>ABS / Electronic Stability Program</td>
</tr>
<tr>
<td>⚡️</td>
<td>Interior lights / Brake lights</td>
</tr>
<tr>
<td>⚡️</td>
<td>Body control module</td>
</tr>
<tr>
<td>STOP</td>
<td>Brake light</td>
</tr>
</tbody>
</table>

### Load compartment fuse box

#### Combi

Located behind the trim panel on the right-hand side of the load compartment, beside the rear door.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚡️</td>
<td>Navigation system</td>
</tr>
<tr>
<td>ADP</td>
<td>Additional adaptations</td>
</tr>
<tr>
<td>⚡️</td>
<td>Power windows / Body control module</td>
</tr>
</tbody>
</table>
Using a suitable tool, e.g. a flat-blade screwdriver, unclip the trim panel at the three locations shown in the illustration and remove.

Do not store any objects behind this panel.

<table>
<thead>
<tr>
<th>No.</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Speed 3: additional evaporator</td>
</tr>
<tr>
<td>2</td>
<td>Speed 2: additional evaporator</td>
</tr>
<tr>
<td>3</td>
<td>Speed 1: additional evaporator</td>
</tr>
</tbody>
</table>

**Bus**

Located below the step trim panel on the lower right-hand side of the load compartment.

Using a suitable tool, e.g. a flat-blade screwdriver, unclip the trim panel at the three locations shown in the illustration and remove.

Do not store any objects behind this panel.
<table>
<thead>
<tr>
<th>No.</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stop-start</td>
</tr>
<tr>
<td>2</td>
<td>Power sliding door lock electromagnet</td>
</tr>
<tr>
<td>3</td>
<td>Power sliding door lock buzzer</td>
</tr>
<tr>
<td>4</td>
<td>Speed 2: right-hand evaporator fan</td>
</tr>
<tr>
<td>5</td>
<td>Speed 2: left-hand evaporator fan</td>
</tr>
<tr>
<td>6</td>
<td>Speed 1: left-hand evaporator fan</td>
</tr>
<tr>
<td>7</td>
<td>Left-hand heating</td>
</tr>
<tr>
<td>8</td>
<td>Speed 3: left-hand evaporator fan</td>
</tr>
<tr>
<td>9</td>
<td>Condenser fan</td>
</tr>
<tr>
<td>10</td>
<td>Right-hand heating</td>
</tr>
<tr>
<td>11</td>
<td>Speed 3: right-hand evaporator fan</td>
</tr>
<tr>
<td>12</td>
<td>Power sliding door</td>
</tr>
<tr>
<td>13</td>
<td>Corridor lighting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Foot panel</td>
</tr>
<tr>
<td>15</td>
<td>Child safety warning buzzer</td>
</tr>
<tr>
<td>16</td>
<td>Speed 1: right-hand evaporator fan</td>
</tr>
</tbody>
</table>

Some circuits may be protected by several fuses.

Vehicle tools

Tools

The jack, wheel wrench, adapters (for spare wheel removal), hub cap hook and towing eye are contained in a unit, stowed under the front seat.

Note
Depending on vehicle, there may be multiple adapters for spare wheel removal.
Vehicles with Rear-wheel drive: A hydraulic jack and a set of extension pieces for use with the jack are also included.

Some vehicles are equipped with a tyre repair kit instead of a spare wheel. Tyre repair kit  204.
To access this unit, slide the seat fully forwards and fold down the backrest.
If cover is fitted, raise cover slightly and slide it backwards to remove.

**Note**
Do not attempt to remove the unit from beneath the seat. Risk of injury.

Wheel changing  208.
Spare wheel  210.
Towing the vehicle  215.

---

**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.

**Tyres**

Factory-fitted tyres are matched to the chassis and offer optimum driving comfort and safety.
Winter tyres
Winter tyres improve driving safety at temperatures below 7 °C and should therefore be fitted on all wheels.
In accordance with country-specific regulations, affix the maximum speed sticker in the driver's field of view.

Tyre designations
E.g. 215/65 R 16 C 109 R
215: tyre width, mm
65: cross-section ratio (tyre height to tyre width), %
R: belt type: Radial
RF: type: RunFlat
16: wheel diameter, inches
C: cargo or commercial use
88: load index e.g. 109 is equivalent to approx. 1030 kg
R: speed code letter

Speed code letter:
Q: up to 160 km/h
S: up to 180 km/h
T: up to 190 km/h
H: up to 210 km/h
V: up to 240 km/h
W: up to 270 km/h

Choose a tyre appropriate for the maximum speed of your vehicle.
The maximum speed is achievable at kerb weight with driver (75 kg) plus 125 kg payload. Optional equipment could reduce the maximum speed of the vehicle.

Directional tyres
Fit directional tyres such that they roll in the direction of travel. The rolling direction is indicated by a symbol (e.g. an arrow) on the sidewall.

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.
The tyre pressure information label on the driver's door frame indicates the original equipment tyres and the correspondent tyre pressures.
Always inflate tyres to the pressures shown on the label.
Tyre pressures ◇ 246.

The tyre pressure data refers to cold tyres. It applies to summer and winter tyres.
Always inflate the spare tyre to the pressure specified for full load.
Incorrect tyre pressures will impair safety, vehicle handling, comfort and fuel economy and will increase tyre wear.
Tyre pressures differ depending on various options. For the correct tyre pressure value, follow the procedure below:
1. Identify the engine identifier code.
   Engine data ◇ 227.
2. Identify the respective tyre.
The tyre pressure tables show all possible tyre combinations ◇ 246.
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.
<table>
<thead>
<tr>
<th><strong>Warning</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Warning</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

### Temperature dependency

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 (0.1 bar) for a 10 °C temperature increase. This must be considered when warm tyres are checked.

### Trailer towing

#### trailer towing

When towing a trailer with a fully laden vehicle, the tyre pressure must be increased by 20 kPa/0.2 bar (3.0 psi) and the maximum speed limited to 100 km/h.

#### Rear-wheel drive, with twin rear wheels

When inflating the outer tyre, the inflation tube should be passed between the two wheels.

### Tyre pressure monitoring system

The tyre pressure monitoring system uses radio and sensor technology to check tyre pressure levels.

### Caution

Tyre pressure monitoring system warns only about low tyre pressure condition and does not replace regular tyre maintenance by the driver.

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

### Note

In countries where the tyre pressure monitoring system is legally required, the use of wheels without pressure sensors will invalidate the vehicle type approval.

The tyre pressure monitoring system sensors monitor the air pressure in the tyres and transmit tyre pressure readings to a receiver located in the vehicle.

Tyre pressure chart 246.
**Low tyre pressure condition**

A detected low tyre pressure condition is indicated by illumination of control indicator  and a corresponding message appears in the Driver Information Centre.

If  illuminates, stop as soon as possible and inflate the tyres as recommended .

After inflating, some driving may be required to update the tyre pressure values in the system. During this time  may illuminate.

If  illuminates at lower temperatures and extinguishes after some driving, this could be an indicator for approaching a low tyre pressure condition. Check tyre pressure of all four tyres.

If the tyre pressure must be reduced or increased, switch off ignition. Only mount wheels with pressure sensors, otherwise  flashes for several seconds then illuminates continuously together with control indicator  and a corresponding message appears in the Driver Information Centre.

A spare wheel or temporary spare wheel is not equipped with pressure sensors. The tyre pressure monitoring system is not operational for these wheels. For the further three wheels, the tyre pressure monitoring system remains operational.

Control indicator  and the corresponding message appears at each ignition cycle until the tyres are inflated to the correct tyre pressure. Driver Information Centre .

Vehicle messages .

**Puncture**

A puncture or severely under-inflated tyre is indicated by illumination of control indicator  together with , and a corresponding message appears in the Driver Information Centre. Stop vehicle and switch off engine.

Tyre pressure , Tyre repair kit , Spare wheel , Wheel changing .

**Relearn function**
After a puncture has been repaired and the driver has inflated the tyres to the correct tyre pressure, the tyre pressure monitoring system needs to recalculate.

Tyre pressure 246, Tyre repair kit 204.

During driving, select the tyre pressure menu in the Driver Information Centre by pressing button on end of wiper lever. Press and hold button for approx. five seconds to initialise recalculation. A corresponding message appears in the Driver Information Centre.

Several minutes of driving at a speed above 40 km/h may be required to complete the relearn process. The system can only provide limited information during this time.

If problems occur during the relearn process, control indicator remains illuminated and a warning message is displayed in the Driver Information Centre.

Driver Information Centre 102. Vehicle messages 103.

**General information**

The use of tyre chains or commercially available liquid tyre repair kits can impair the function of the system. Factory-approved tyre repair kits can be used.

Tyre repair kit 204, Tyre chains 204.

External high-power radio equipment could disrupt the tyre pressure monitoring system.

Each time the tyres are replaced, the tyre pressure monitoring system sensors must be dismounted and serviced by a workshop.

**Tread depth**

Check tread depth at regular intervals.

Tyres should be replaced for safety reasons at a tread depth of two-three mm (four 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 two 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
speedometer as well as the nominal tyre pressure and make other vehicle modifications.

After converting to a different tyre size, have the label with tyre pressures replaced.

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of unsuitable tyres or wheel covers could lead to sudden pressure loss and thereby accidents.</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Damage may lead to tyre blowout.</td>
</tr>
</tbody>
</table>

**Tyre chains**

Tyre chains are only permitted on the drive wheels.

On vehicles with twin rear wheels, tyre chains are only permitted on the outer wheels.

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheel covers on steel wheels may come into contact with parts of the chains. In such cases, remove the wheel covers. Tyre chains may only be used at speeds up to 50 km/h and, when travelling on roads that are free of snow, they may only be used for brief periods since they are subject to rapid wear on a hard road and may snap. The use of tyre chains is not permitted on the temporary spare wheel or on wheels of a different size than those fitted at the factory.</td>
</tr>
</tbody>
</table>

**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 four mm or that is at the tyre's sidewall 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 the vehicle has a flat tyre:
Apply the parking brake and engage neutral (manual transmission) or N (manual transmission automated).
The tyre repair kit is located under the front seat. Slide seat forwards fully and fold backrest down to access kit.
1. Take the tyre repair kit out from under the front seat.
2. Remove the compressor.
3. Remove the power supply lead(s) 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 sealant filler hose to the tyre valve.
8. The rocker switch on the compressor must be set to position O.
9. Connect the red + power supply lead on the compressor to the jump start terminal 213.

Note
Depending on model, the jump start terminal may be located at the left-hand or right-hand side of the engine compartment.

10. Connect the black − power supply lead to a vehicle grounding point, e.g. the engine block or an engine mounting bolt.

Note
Depending on tyre repair kit type, it may be necessary to connect the single power supply lead to the power outlet or cigarette lighter socket.

For this type, the red + and black − power supply leads will not be present.

To avoid discharging the battery, we recommend running the engine.

11. Set the rocker switch on the compressor to position I. The tyre is filled with sealant.

12. The compressor pressure gauge briefly indicates up to six bar. Then the pressure starts to drop.

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

14. The prescribed tyre pressure should be obtained within ten minutes. Tyre pressure 246. When the correct pressure is obtained, turn off the compressor by setting rocker switch to position O.

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

Drain excess tyre pressure with the button beside the pressure indicator.

Do not run the compressor for longer than ten minutes.

15. Detach the tyre repair kit.

16. Remove any excess sealant using a cloth.

17. Take the label indicating maximum permitted speed from the tyre repair kit and affix in the driver's field of view.

18. Screw the sealant filler hose to the free connection on the sealant bottle. This prevents sealant from escaping. Store the sealant bottle in the plastic bag. Stow tyre repair kit under the front seat.

19. Continue driving immediately so that the sealant is evenly distributed throughout the tyre. After driving approx. ten km, but no more than ten minutes, stop and check tyre pressure using the compressor. Screw compressor air hose directly onto tyre valve and compressor when doing this.

20. If the tyre pressure is more than 3.1 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 3.1 bar, the vehicle must not be driven. Seek the assistance of a workshop.

21. Stow tyre repair kit under the front seat.

**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 seven bar.

Note the expiry date of the kit. After this date its sealing capability is no longer guaranteed. Pay attention to storage information on sealant bottle.

Replace the used sealant bottle. Dispose of the bottle as prescribed by applicable laws.

The compressor and sealant can be used from approx. -30 °C.
Wheel changing

Some vehicles are equipped with a tyre repair kit instead of a spare wheel 204.

Make the following preparations and observe the following information:

- Park the vehicle on a level, firm and non-slippery surface. The front wheels must be in the straight-ahead position.
- Apply the parking brake and engage first gear or reverse gear (manual transmission) or N (manual transmission automated).
- Switch off the air suspension system 140.
- Remove the spare wheel 210.
- Never change more than one wheel at a time.
- 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.
- 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 engine when the vehicle is raised on the jack.
- Clean wheel bolts/nuts and their threads before mounting the wheel.

⚠️ Warning

Do not grease wheel bolt, wheel nut and wheel nut cone.

1. Remove the wheel cover using the hook supplied. Vehicle tools 198.

   Depending on vehicle, first remove the bolt/nut covers by hand then remove the wheel cover, or press wheel cover at the points indicated by the arrows and turn to release.

2. Install the wheel wrench (depending on vehicle, attach wheel wrench to adapters) ensuring that it locates securely and loosen each wheel bolt/nut by half a turn.

Rear-wheel drive, with twin rear wheels: Remove the tyre valve extender from the inner rear wheel.
3. Vehicles with Front-wheel drive:
   If equipped, attached heightener to lifting pad when changing a front wheel.
   Raise vehicle by placing lifting pad spigot of the jack (vehicle tools 198) under the jacking hole located nearest the wheel concerned.
   Ensure the jack is positioned correctly. The jack base must be on the ground directly below the jacking hole in a manner that prevents it from slipping.
   Attach wheel wrench onto the jack and raise the vehicle (max. 3 cm) by turning the wrench until the wheel is clear of the ground.

Vehicles with Rear-wheel drive:
   Pay attention to the operating instructions supplied with the hydraulic jack (vehicle tools 198) and assemble the parts required as specified.
   Position the adapter at the jacking hole located nearest the wheel concerned.
   Ensure the jack is positioned correctly. The jack head must be level with the jacking hole. Pump the jack by pressing the wheel wrench/ adapters, to position the base plate correctly.
   Raise the vehicle (max. 3 cm) by pressing the wheel wrench until the wheel is clear of the ground.

4. Unscrew wheel bolts/nuts completely and wipe clean with a cloth.
   Put wheel bolts/nuts somewhere where the threads will not be soiled.

5. Change the wheel.

6. Screw in the wheel bolts/nuts.

7. Lower vehicle.

8. Install the wheel wrench (depending on vehicle, attach wheel wrench to adapters) ensuring that it locates securely and tighten each wheel bolt/nut in a crosswise sequence. Tightening torque is: 172 Nm (Front-wheel drive), 235 Nm (Rear-wheel drive with twin rear wheels), 264 Nm (Rear-wheel drive with single rear wheels).

9. Refit wheel cover.
   Rear-wheel drive, with twin rear wheels: Install the tyre valve extender to the inner rear wheel before refitting the wheel cover.
Note
If applicable, fit anti-theft bolts nearest the tyre valve (otherwise it may not be possible to refit the wheel cover).

10. Stow the replaced wheel 210 and the vehicle tools 198.

11. Have the new wheel balanced on the vehicle. Check the tyre pressure of the installed tyre 246 and also the wheel bolt/nut torque as soon as possible.

Have the defective tyre renewed or repaired.

Spare wheel
Some vehicles are equipped with a tyre repair kit instead of a spare wheel 204.

If mounting a spare wheel which is different from the other wheels, this wheel might be classified as a temporary spare wheel and the corresponding speed limits apply, even though no label indicates this.

Seek the assistance of a workshop to check the applicable speed limit.

Caution
The use of a spare wheel that is smaller than the other wheels or in combination with winter tyres could affect driveability. Have the defective tyre replaced as soon as possible.

The spare wheel is held under the vehicle frame using a winch and secured by tightening a cable using the wheel wrench and adapters (depending on vehicle).

It may be necessary to jack the vehicle up to gain access to the spare wheel on a fully loaded vehicle with a flat rear tyre.

To release the spare wheel, loosen cable by connecting the wheel wrench and adapters (depending on vehicle) to the slot position illustrated and lower the wheel fully by turning wrench clockwise.

Caution
Only use the wheel wrench and adapters (depending on vehicle) to lower the spare wheel.

The use of pneumatic tools is prohibited. This may result in damage to the winch cable and equipment.
Place wheel upright, unclip retainer from wheel rim and release the wheel from the cable and connected retainer by routing these components through the centre of the wheel.

Twin rear wheel vehicles have an additional mounting plate attached to the spare wheel. Before using the wheel, undo the nut and remove the mounting plate.

When reinstalling a spare wheel, first attach the mounting plate (twin rear wheel vehicles) and secure with the nut.

Place wheel upright, then route the cable and connected retainer from the front of the wheel (side with tyre valve) and through the centre of the wheel. Attach the retainer and clip it into place, ensuring it is correctly positioned and that the front of the wheel (side with tyre valve) will be facing upwards when reinstalled.

Place wheel below the vehicle frame, directly beneath the winch mechanism.
Then tighten cable using the wheel wrench and adapters by connecting to the slot position illustrated above and turning wrench anticlockwise until the wheel is secured in the fully raised position.

**Warning**

Ensure the front of the wheel (side with tyre valve) is facing upwards when the spare wheel is reinstalled below the vehicle frame.

**Temporary spare wheel**

**Caution**

The use of a spare wheel that is smaller than the other wheels or in combination with winter tyres could affect driveability. Have the defective tyre replaced as soon as possible.

Only mount one temporary spare wheel. Do not drive faster than 80 km/h. Take curves slowly. Do not use for a long period of time.

If your vehicle gets a flat tyre on the rear while towing another vehicle, mount the temporary spare wheel in the front and the full tyre in the rear.

Tyre chains 204.

**Summer and winter tyres**

If you use winter tyres, the spare wheel may still be fitted with a summer tyre.

If you use the spare wheel when it is fitted with a summer tyre the vehicle's driveability may be affected, especially on slippery road surfaces.

**Directional tyres**

Fit directional tyres such that they roll in the direction of travel. The rolling direction is indicated by a symbol (e.g. an arrow) on the sidewall.

The following applies to tyres fitted opposing the rolling direction:

- Driveability may be affected. Have the defective tyre renewed or repaired as soon as possible and fit it instead of the spare wheel.

- Do not drive faster than 80 km/h.

- Drive particularly carefully on wet and snow-covered road surfaces.
Jump starting

The jump start terminal is located in the engine compartment.
A vehicle with a discharged vehicle battery can be started using jump leads and the vehicle battery of another vehicle.
Do not start with a quick charger.

⚠️ Warning

Be extremely careful when starting with jump leads. Any deviation from the following instructions can lead to injuries or damage caused by battery explosion or damage to the electrical systems of both vehicles.

⚠️ Warning

Avoid contact of the battery with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact.

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The air suspension system must be switched off prior to jump starting. Air suspension ⇒ 140.</td>
</tr>
</tbody>
</table>

- Never expose the vehicle battery to naked flames or sparks.
- A discharged vehicle battery can already freeze at a temperature of 0 °C. Defrost the frozen vehicle battery before connecting jump leads.
- Wear eye protection and protective clothing when handling a vehicle battery.
- Use a booster battery with the same voltage (12 volts). 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 25 mm².
- Do not disconnect the discharged battery from the vehicle.

- Switch off all unnecessary electrical consumers.
- Switch off the air suspension system ⇒ 140.
- Do not lean over the vehicle battery during jump starting.
- Do not allow the terminals of one lead to touch those of the other lead.
- The vehicles must not come into contact with each other during the jump starting process.
- Apply the parking brake and engage neutral (manual transmission) or N (manual transmission automated).
Jump start terminal

In the event of a discharged vehicle battery, the jump start terminal enables the vehicle to be started without the need to access the battery inside the vehicle.

The jump start terminal is located in the engine compartment and identified by a "+" sign on the red insulating cover. Lift the red insulating cover to access the terminal connector.

Ensure the red insulating cover is latched back into position when not in use.

Jump starting procedure

Depending on model, the jump start terminal may be located at the left-hand or right-hand side of the engine compartment.

Lead connection order:

1. Connect the red lead to the positive terminal (1) of the booster battery.
2. Connect the other end of the red lead to the jump start terminal (2) of the vehicle with the discharged vehicle battery.
3. Connect the black lead to the negative terminal (3) of the booster battery.
4. Connect the other end of the black lead to a vehicle grounding point (4), such as the engine block or an engine mounting bolt. Connect as
Vehicle care

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

Towing

Towing the vehicle
The towing eye and wheel wrench are stowed with the vehicle tools 198.

- Disengage the cover using a suitable tool and remove.
- Screw the towing eye clockwise into the front towing point and tighten fully using the wheel wrench.
- Attach a tow rope - or better still a tow rod - to the towing eye, never to the bumper or front suspension units.

Caution

Do not tow the vehicle from the rear. The front towing eye must only be used for towing and not recovering a vehicle.

Switch on ignition to permit operation of brake lights, horn and windscreen wipers, and move the steering wheel slightly to release the steering wheel lock.

Switch off the air suspension system 140.

Transmission in neutral.

Caution

Vehicles with manual transmission automated: If neutral cannot be selected, the vehicle must only be towed with the drive wheels raised off the ground.

The vehicle should always be towed with the ignition switched off.

Manual transmission automated 150.
Vehicle care

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 fumes from the towing vehicle, switch on the air recirculation system 117 and close the windows.
Seek the assistance of a workshop.
After towing, unscrew the towing eye and refit the cover.

Towing another vehicle

Attach a tow rope - or better still a tow rod - to the rear towing eye, never to the rear axle and suspension units.

Caution

The rear towing eye must only be used for towing and not recovering a vehicle.

Caution

Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.
Appearance care

Exterior care

Locks
The locks are lubricated at the factory using a high quality lock cylinder grease. Use de-icing agent only when absolutely necessary, as this has a degreasing effect and impairs lock function. After using a de-icing agent, have the locks regreased by a workshop.

Washing
The paintwork of your vehicle is exposed to environmental influences. Wash and wax your vehicle regularly. When using automatic vehicle washes, select a programme that includes waxing. 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 vehicle wash, comply with the vehicle wash manufacturer's instructions. The windscreen wipers must be switched off and the exterior mirrors must be folded in. Remove antenna and external accessories such as roof racks etc.

If you wash your vehicle by hand, make sure that the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the bonnet as well as the areas they cover.

Clean bright metal mouldings with a cleaning solution approved for aluminium to avoid damages.

Caution

Always use a cleaning agent with a pH value of four to nine.
Do not use cleaning agents on hot surfaces.

Have the door hinges of all doors greased by a workshop.

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and leather-off the vehicle. Rinse leather frequently. Use separate leathers for painted and glass surfaces: remnants of wax on the windows will impair vision.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

Exterior lights
Headlight and other light covers are made of plastic. Do not use any abrasive or caustic agents, do not use an ice scraper, and do not clean them dry.

Polishing and waxing
Wax the vehicle regularly (at the latest when water no longer beads). Otherwise, the paintwork will dry out.

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.
Paintwork polish with silicone forms a protective film, making waxing unnecessary.
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.
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.

**Wheels and tyres**
Do not use high-pressure jet cleaners.
Clean rims with a pH-neutral wheel cleaner.
Rims are painted and can be treated with the same agents as the body.

**Paintwork damage**
Rectify minor paintwork damage with a touch-up pen before rust forms.
Have more extensive damage or rust areas repaired by a workshop.

**Underbody**
Some areas of the vehicle underbody have a PVC undercoating while other critical areas have a durable protective wax coating.
After the underbody is washed, check the underbody and have it waxed if necessary.
Bitumen/rubber materials could damage the PVC coating. Have underbody work carried out by a workshop.
Before and after winter, wash the underbody and have the protective wax coating checked.

**Towing equipment**
Do not clean the coupling ball bar with a steam-jet or high-pressure jet cleaner.
**Interior care**

**Interior and upholstery**

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

Clean 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.

<table>
<thead>
<tr>
<th><strong>Caution</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.</td>
</tr>
<tr>
<td>The same applies to clothing with sharp-edged objects, like zips or belts or studded jeans.</td>
</tr>
</tbody>
</table>

**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 the vehicle is available at the workshop.

Service display  92.
Engine identification  225.

European service intervals - except Bus

Maintenance of your vehicle is required every 40,000 km or after two years, whichever occurs first, unless otherwise indicated by the service display.

A shorter service interval can be valid for severe driving behaviour, e.g. for taxis and police vehicles.

European service intervals - Bus only

Maintenance of your vehicle is required every 30,000 km or after one year, whichever occurs first, unless otherwise indicated by the service display.

The European service intervals are valid for the following countries:
Andorra, Austria, Belgium, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom.

Service display  92.

International service intervals

Israel:
Maintenance of your vehicle is required every 40,000 km or after one year, whichever occurs first, unless otherwise indicated by the service display.
Albania, Bosnia-Herzegovina, Kosovo, Macedonia, Montenegro, Serbia:
Maintenance of your vehicle is required every 30,000 km or after two years, whichever occurs first, unless otherwise indicated by the service display.

Romania, Bulgaria, Moldova, Cyprus:
Maintenance of your vehicle is required every 30,000 km or after two years, whichever occurs first, unless otherwise indicated by the service display.

Australia, New Zealand:
Maintenance of your vehicle is required every 30,000 km or after two years, whichever occurs first, unless otherwise indicated by the service display.

Turkey:
Maintenance of your vehicle is required every 20,000 km or after one year, whichever occurs first, unless otherwise indicated by the service display.

Morocco:
Maintenance of your vehicle is required every 20,000 km or after one year, whichever occurs first, unless otherwise indicated by the service display.

South Africa:
Maintenance of your vehicle is required every 15,000 km or after one year, whichever occurs first, unless otherwise indicated by the service display.

Russia, Ukraine, Belarus, Kazakhstan:
Maintenance of your vehicle is required every 15,000 km or after one year, whichever occurs first, unless otherwise indicated by the service display.

Algeria, Tunisia:
Maintenance of your vehicle is required every 10,000 km or after one year, whichever occurs first, unless otherwise indicated by the service display.

International:
Maintenance of your vehicle is required every 15,000 km or after one year, whichever occurs first, unless otherwise indicated by the service display.
International countries include: Malta, Singapore.

International +:
Maintenance of your vehicle is required every 10,000 km or after one year, whichever occurs first, unless otherwise indicated by the service display.
International + countries include: To be defined.

International ++:
Maintenance of your vehicle is required every 8,000 km or after one year, whichever occurs first, unless otherwise indicated by the service display.
International ++ countries include: Hong Kong.
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.
Service display \(\Diamond\) 92.

Confirmations
Confirmation of service is recorded in
the Service and warranty booklet.
The date and mileage is completed
with the stamp and signature of the
servicing workshop.
Make sure that the Service and
warranty booklet is completed
correctly as continuous proof of
service is essential if any warranty or
goodwill claims are to be met, and is
also a benefit when selling the
vehicle.

Service display
The service interval is based on
several parameters depending on
usage.
The service display, located in the
Driver Information Centre, indicates
when the next service is due. Seek
the assistance of a workshop.
Service display \(\Diamond\) 92.
Engine oil lever monitor \(\Diamond\) 92.

Recommended fluids,
lubricants and parts

Recommended fluids and
lubricants
Only use products that meet the
recommended specifications.

\textbf{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 diesel engines. If it is unavailable, engine oils of other listed qualities must be used.

Select the appropriate engine oil based on its quality and on the minimum ambient temperature 226.

Topping up engine oil
Engine oils of different manufacturers and brands can be mixed as long as they comply with the required engine oil quality and viscosity.

Use of engine oil with only ACEA A1/B1 or only A5/B5 quality is prohibited, since it can cause long-term engine damage under certain operating conditions.

Select the appropriate engine oil based on its quality and on the minimum ambient temperature 226.

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 226.

All of the recommended viscosity grades are suitable for high ambient temperatures.

Coolant and antifreeze
Use only silicate-free long life coolant (LLC) antifreeze approved for the vehicle. Consult a workshop.

The system is factory filled with coolant designed for excellent corrosion protection and frost protection down to approx. -28 °C. 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 fluid
Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.

AdBlue
Only use AdBlue to reduce the nitrogen oxides in the exhaust emission 143.
Vehicle identification

**Vehicle Identification Number**

The Vehicle Identification Number (VIN) is visible through the windscreen.

The VIN is also displayed behind a removable plastic cover on the front right hand door step. Unclip the covers using a flat blade screwdriver to access.
Identification plate

The identification plate is located on the right hand door pillar.

Information on identification plate:
1: manufacturer's name
2: certification 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: engine type
9: engine identification code
10: fabrication number
11: vehicle paint code

Note
The identification plate on your vehicle may differ from the illustration shown.

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 identifier code and engine number

Stamped on the engine cylinder block and on a label attached to the timing chain cover, depending on variant.

Engine identification

The technical data tables show the engine identifier code. Engine data 227.

To identify the respective engine, refer to the engine power in the EEC Certificate of Conformity provided with your vehicle or other national registration documents.
### Vehicle data

#### Recommended fluids and lubricants

**Required engine oil quality**

**Engine oil quality: Europe**

| dexos 2 | ✔ |

For countries with International service interval 220, you may use the oil qualities listed below:

**Engine oil quality: International**

| dexos 2 | ✔ |
| GM-LL-A/B-025 | ✔ |
| ACEA C3 | ✔ |
| diesel engines with DPF |
| ACEA A3/B4 | ✔ |
| diesel engines without DPF |

#### Engine oil viscosity grades

<table>
<thead>
<tr>
<th>Ambient temperature</th>
</tr>
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<tbody>
<tr>
<td>down to -25 °C</td>
</tr>
<tr>
<td>SAE 5W-30 or SAE 5W-40</td>
</tr>
<tr>
<td>below -25 °C</td>
</tr>
<tr>
<td>SAE 0W-30 or SAE 0W-40</td>
</tr>
<tr>
<td>Engine data</td>
</tr>
<tr>
<td>-------------</td>
</tr>
<tr>
<td>Sales designation</td>
</tr>
<tr>
<td>Engine identifier code</td>
</tr>
<tr>
<td>Number of cylinders</td>
</tr>
<tr>
<td>Piston displacement [cm(^3)]</td>
</tr>
<tr>
<td>Engine power [kW] at rpm</td>
</tr>
<tr>
<td>Torque [Nm] at rpm</td>
</tr>
<tr>
<td>Fuel type</td>
</tr>
</tbody>
</table>

1) Euro 4.
2) Euro 5.
3) Euro 5.
4) Euro VI with AdBlue.
5) Front-wheel drive/Rear-wheel drive.
## Technical data

<table>
<thead>
<tr>
<th>Sales designation</th>
<th>2.3 CDTI 110</th>
<th>2.3 CDTI 130</th>
<th>2.3 BITURBO 130</th>
<th>2.3 BITURBO 145</th>
<th>2.3 BITURBO 170</th>
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<tbody>
<tr>
<td></td>
<td>M9T (MW)&lt;sup&gt;6&lt;/sup&gt;</td>
<td>M9T (MY)&lt;sup&gt;6&lt;/sup&gt;</td>
<td>M9T (M1)&lt;sup&gt;7&lt;/sup&gt;</td>
<td>M9T (MS)&lt;sup&gt;6&lt;/sup&gt;, (MT)&lt;sup&gt;7&lt;/sup&gt;</td>
<td>M9T (ML)&lt;sup&gt;6&lt;/sup&gt;</td>
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<td>2298</td>
<td>2298</td>
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<td>Engine power [kW] (PS)</td>
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<td>96</td>
<td>107</td>
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<tr>
<td>at rpm</td>
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<td>3500</td>
<td>3500</td>
<td>3500</td>
<td>3500</td>
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<tr>
<td>Torque [Nm]</td>
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<td>320</td>
<td>330</td>
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<td>380</td>
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<td>at rpm</td>
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</tbody>
</table>

<sup>6</sup> Euro 6 with AdBlue.

<sup>7</sup> Euro VI with AdBlue.

AdBlue ◊ 143.
Vehicle weight

Kerb weight, basic model without any optional equipment

Optional equipment and accessories increase the kerb weight.

Van

<table>
<thead>
<tr>
<th>Drive wheels</th>
<th>Length</th>
<th>Roof height</th>
<th>Gross vehicle weight [kg]</th>
<th>Kerb weight [kg]</th>
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## Technical data

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<th>Kerb weight [kg]</th>
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</tr>
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<td>3500&lt;sup&gt;8)&lt;/sup&gt;</td>
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<td>2366</td>
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</table>

<sup>8)</sup> With Single rear wheels.

<sup>9)</sup> With Twin rear wheels.
### Doublecab

<table>
<thead>
<tr>
<th>Drive wheels</th>
<th>Length</th>
<th>Roof height</th>
<th>Gross vehicle weight [kg]</th>
<th>Kerb weight [kg]</th>
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<tr>
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</tr>
<tr>
<td>L1</td>
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<td>L2</td>
<td>H2</td>
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<td>L3</td>
<td>H2</td>
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<td>Rear-wheel drive</td>
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<tr>
<td>L3</td>
<td>H2</td>
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<td>3500&lt;sup&gt;8)&lt;/sup&gt;</td>
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<td></td>
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<sup>8)</sup> With Single rear wheels.

<sup>9)</sup> With Twin rear wheels.
## Technical data

### Combi

<table>
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<tr>
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<tr>
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<td></td>
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### Bus

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<td>Front-wheel drive</td>
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## Chassis Cab

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<tr>
<td>L2</td>
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<td><strong>Rear-wheel drive</strong></td>
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<tr>
<td>L2</td>
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8) With Single rear wheels.
9) With Twin rear wheels.
## Technical data

### Crew Cab

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</table>

\(^8\) With Single rear wheels.
\(^9\) With Twin rear wheels.
### Platform Cab

<table>
<thead>
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<td></td>
<td>H2</td>
<td>3500</td>
<td>1613</td>
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</table>

**Note**

Kerb weight figures shown indicate the minimum vehicle weight according to type approval, including all fluids, vehicle tools and a 90% fuel load. Excludes the weight of the driver and deletable options, e.g. spare wheel, bulkhead and sliding side door. Final weight may vary according to the specification of the vehicle, e.g. options, deleted options and accessories.

**Note**

Kerb weight and gross vehicle weight increase on models fitted with bad road equipment package - refer to identification plate 225.

Loading information 81.
## Technical data

### Vehicle dimensions

**Van, Doublecab**

<table>
<thead>
<tr>
<th>Gross vehicle weight [kg]</th>
<th>Front-wheel drive</th>
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<tr>
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<td>L1</td>
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<td>2070</td>
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<td>Width with mirrors [mm]</td>
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<tr>
<td>Height - unladen (without antenna) [mm]</td>
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<tr>
<td>H1</td>
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<tr>
<td>H2</td>
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<td>Track width [mm]</td>
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<td>Rear</td>
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<td>1730</td>
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<tr>
<td></td>
<td>Van, Doublecab</td>
<td>Rear-wheel drive</td>
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<tr>
<td><strong>H3</strong></td>
<td>2786&lt;sup&gt;10&lt;/sup&gt;/2815&lt;sup&gt;11&lt;/sup&gt;)</td>
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<td><strong>Wheelbase [mm]</strong></td>
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<td>4332</td>
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<tr>
<td><strong>Track width [mm]</strong></td>
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<tr>
<td><strong>Front</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Rear</strong></td>
<td>1730&lt;sup&gt;10&lt;/sup&gt;/1612&lt;sup&gt;11&lt;/sup&gt;)</td>
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<sup>10</sup) With Single rear wheels.
<sup>11</sup) With Twin rear wheels.
## Technical data

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<th>Front-wheel drive</th>
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<td>Width with mirrors [mm]</td>
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<tr>
<td>Height - unladen (without antenna) [mm]</td>
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<tr>
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<td><strong>H2</strong></td>
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<tr>
<td>Wheelbase [mm]</td>
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<tr>
<td>Track width [mm]</td>
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<tr>
<td><strong>Front</strong></td>
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<td><strong>Rear</strong></td>
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<td><strong>Gross vehicle weight [kg]</strong></td>
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<tr>
<td><strong>Size</strong></td>
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<td><strong>Length [mm]</strong></td>
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<tr>
<td><strong>Width without mirrors [mm]</strong></td>
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<td><strong>Width with mirrors [mm]</strong></td>
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<td><strong>Wheelbase [mm]</strong></td>
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<td><strong>Height - unladen (without antenna) [mm]</strong></td>
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<tr>
<td><strong>Track width [mm]</strong></td>
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- **Front-wheel drive**
- **Gross vehicle weight [kg]**: 3900
- **Size**: L3
- **Length [mm]**: 6198
- **Width without mirrors [mm]**: 2070
- **Width with mirrors [mm]**: 2470
- **Wheelbase [mm]**: 4332
- **Height - unladen (without antenna) [mm]**: 2488
- **Track width [mm]**:
  - Front: 1750
  - Rear: 1730
## Technical data

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<tr>
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<th>L4</th>
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\(^{12}\) With Single rear wheels.  
\(^{13}\) With Twin rear wheels.
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<thead>
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<td>3500&lt;sup&gt;14)&lt;/sup&gt;</td>
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<tr>
<td><strong>Rear</strong></td>
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<tr>
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<sup>14)</sup> With Single rear wheels.
<sup>15)</sup> With Twin rear wheels.
## Technical data

### Platform Cab

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<table>
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### Technical data

#### Loadspace dimensions

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<tr>
<td><strong>Roof height</strong></td>
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<td><strong>[kg]</strong></td>
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## Technical data

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<td><strong>Roof height</strong></td>
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## Technical data

### Capacities

#### Engine oil

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<td>Engine M9T</td>
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</table>

- Engine oil including filter [l] (approx.)
  - Front-wheel drive: 8.0
  - Rear-wheel drive: 8.9

- Between MIN and MAX [l] (approx.)
  - 1.5 - 2.0

#### Fuel tank

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#### AdBlue tank

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# Tyre pressures

## Front-wheel drive

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<th>Tyre pressure with full load&lt;sup&gt;16)&lt;/sup&gt;17)</th>
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<td>Front [kPa/bar] (psi)</td>
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<td>215/65 R16 C 109/107R</td>
<td>340/3.4 (49)</td>
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<td></td>
<td>3300</td>
<td>215/65 R16 C 109/107R</td>
<td>360/3.6 (52)</td>
</tr>
<tr>
<td></td>
<td>3500</td>
<td>225/65 R16 C 112/110R</td>
<td>380/3.8 (55)</td>
</tr>
<tr>
<td></td>
<td>3900</td>
<td>225/65 R16 C 112/110R</td>
<td>380/3.8 (55)</td>
</tr>
</tbody>
</table>

<sup>16</sup> The spare wheel should be set to the highest applicable pressure shown in the table.

<sup>17</sup> When towing a trailer with a fully laden vehicle, the tyre pressure must be increased by 20 kPa/0.2 bar (3.0 psi) and the maximum speed limited to 100 km/h.

## Rear-wheel drive, with single rear wheels

<table>
<thead>
<tr>
<th>Engine</th>
<th>Gross Vehicle Weight</th>
<th>Tyre</th>
<th>Tyre pressure with full load&lt;sup&gt;17&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Front [kPa/bar] (psi)</td>
</tr>
<tr>
<td>M9T</td>
<td>3500</td>
<td>235/65 R16 C 115/113R</td>
<td>360/3.6 (52)</td>
</tr>
</tbody>
</table>

<sup>17</sup> When towing a trailer with a fully laden vehicle, the tyre pressure must be increased by 20 kPa/0.2 bar (3.0 psi) and the maximum speed limited to 100 km/h.
### Rear-wheel drive, with twin rear wheels

<table>
<thead>
<tr>
<th>Engine</th>
<th>Gross Vehicle Weight</th>
<th>Tyre</th>
<th>Tyre pressure with full load(^\text{17})</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Front [kPa/bar] (psi)</td>
</tr>
<tr>
<td>M9T</td>
<td>3500</td>
<td>195/75 R16 C 107/105R</td>
<td>420/4.2 (61)</td>
</tr>
<tr>
<td></td>
<td>4500</td>
<td>195/75 R16 C 107/105R</td>
<td>420/4.2 (61)</td>
</tr>
</tbody>
</table>

\(^{17}\) When towing a trailer with a fully laden vehicle, the tyre pressure must be increased by 20 kPa/0.2 bar (3.0 psi) and the maximum speed limited to 100 km/h.

The tyre pressure information label on the driver's door frame indicates the original equipment tyres and the correspondent tyre pressures. Always inflate tyres to the pressures shown on the label.

Tyre pressure information label \(\Diamond\) 200.

Tyre designations \(\Diamond\) 200.
Customer information

Declaration of conformity

Radio transmission systems

This vehicle has systems that transmit and/or receive radio waves subject to Directive 1999/5/EC or 2014/53/EU. These systems are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC or 2014/53/EU. Copies of the original Declarations of Conformity can be obtained on our website.

Radar systems

Country-specific Declarations of Conformity for radar systems are shown on the following page:
European Union
EC Directive: 1999/5/EC
Manufacturer: Delphi Electronics & Safety
Model / Type Designation: L2C0038TR
Description / Intended Use:
Electronically Scanned Radar (ESR),
a 76.5GHz adaptive cruise control system
radar fitted to motor vehicles at vehicle
manufacture
Applied Standards:
47 CFR Part 15
CEPT ERC Recommendation 70-03
EN 60950
EN 301 091
European Commission Directive
2006/28/EC
I declare that the product referenced
above is in compliance with the essential
requirements and other relevant
provisions of Directive 1999/5/EC, on
the approximation of the laws of the member
states relating to Directive 1999/5/EC.

Brazil
Este equipamento
opera em caráter
secundário, isto é,
ão tem direito a
proteção contra
interferência
prejudicial, mesmo de estações do
mesmo tipo, e não pode causar
interferência a sistemas operando em
caráter primário

Indonesia
14785/POSTEL/2010
1982
Jordan
Type Approval No.: TRC/LPD/2009/87
Equipment Type: Low Power Device (LPD)
Malaysia

South Africa

ICASA
TA-2009/163
APPROVED

South Korea

United States of America and Canada
Model / FCC ID: L2C0038TR IC: 3432A-0038TR

This device complies with Part 15 of the FCC Rules
and with Industry Canada license-exempt RSS
standard(s). Operation is subject to the following
two conditions: (1) This device may not cause
harmful interference, and (2) This device must
accept any interference received, including
interference that may cause undesired operation.

Le présent appareil est conforme aux CNR
d'Industrie Canada applicables aux appareils
radio exempts de licence. L'exploitation est
autorisée aux deux conditions suivantes: (1)
l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout
brouillage radioélectrique subi, même si le
brouillage est susceptible d'en compromettre le
fonctionnement.

Note: Changes or modifications not expressively
approved by the party responsible for compliance
could void the user’s authority to operate the
equipment. The term “IC:” before the radio
certification number only signifies that Industry
Canada technical specifications were met.

Note: This equipment complies with radiation
exposure limits set forth for an uncontrolled
environment. This equipment should be installed
and operated with minimum distance of 20 cm
between the radiator and your body.
Collision damage repair

Paint thickness
Due to production techniques, the thickness of the paint can vary between 50 and 400 µm. Therefore, different paint thickness is no indicator for a collision damage repair.

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Verband der Automobilindustrie e.V.
AdBlue® is a registered trademark of the VDA.

Vehicle data recording and privacy

Event data recorders

Data storage modules in the vehicle
A large number of electronic components of your vehicle contain data storage modules temporarily or permanently storing technical data about the condition of the vehicle, events and errors. In general, this technical information documents the condition of parts, modules, systems or the environment:

- Operating conditions of system components (e.g. filling levels).
- Status messages of the vehicle and its single components (e.g. number of wheel revolutions /rotational speed, deceleration, lateral acceleration).
- Dysfunctions and defects in important system components.
- Vehicle reactions in particular driving situations (e.g. inflation of an airbag, activation of the stability regulation system).
- Environmental conditions (e.g. temperature).

These data are exclusively technical and help identifying and correcting errors as well as optimizing vehicle functions.

Motion profiles indicating travelled routes cannot be created with these data.

If services are used (e.g. repair works, service processes, warranty cases, quality assurance), employees of the service network (manufacturer included) are able to read out this technical information from the event and error data storage modules applying special diagnostic devices. If required, you will receive further information at these workshops. After an error has been corrected, the data are deleted from the error storage module or they are constantly overwritten.

When using the vehicle, situations may occur in which these technical data related to other information (accident report, damages on the vehicle, witness statements etc.) may be associated with a specific person - possibly, with the assistance of an expert.

Additional functions contractually agreed upon with the client (e.g. vehicle location in emergency cases) allow the transmission of particular vehicle data from the vehicle.

Radio Frequency Identification (RFID)

RFID technology is used in some vehicles for functions such as tyre pressure monitoring and ignition system security. It is also used in connection with conveniences such as radio remote controls for door locking/unlocking and starting, and in-vehicle transmitters for garage door openers. RFID technology in Opel vehicles does not use or record personal information or link with any other Opel system containing personal information.
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