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A-Z

Owner's Handbook for Vehicle

The Ultimate Driving Machine

THE BMW X1.

OWNER'S HANDBOOK.

BMW EfficientDynamics
Less emissions. More driving pleasure.

Online Edition for Part no. 01 40 2 964 279 - VI/15

X1 Owner's Handbook for the vehicle

Congratulations on your choice of a BMW.

The better you are acquainted with your vehicle, the easier you will find it is to handle. We would therefore like to offer you the following advice:

Please read the Owner's Handbook before setting out in your new BMW. Also use the integrated Owner's Handbook in your vehicle. It contains important notes on how to operate the vehicle, enabling you to derive maximum benefit from the technical advantages of your BMW. It also contains useful information which will help you to uphold both your BMW's operating safety, road safety, and its full resale value.

If applicable, you will find updates after the editorial deadline in the appendix of the printed Owner's Handbook for the vehicle.

Supplementary information is provided in the other documents of on-board literature.

We wish you a safe and enjoyable journey,

BMW AG

The Owner's Handbook is available as an app in many countries. You will find further information on the Internet at:

www.bmw.com/bmw_drivers_guide

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Printed on environmentally friendly paper, bleached
without chlorine, suitable for recycling.

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Contents

For quick access to a particular topic or item, please consult the detailed alphabetical index, see page 250.

Notes

About this Owner's Handbook

Orientation

The quickest access to a particular topic or item is by consulting the alphabetical index.

The first chapter is recommended for an initial overview of the vehicle.

Updates after going to press

If applicable, you will find updates after the editorial deadline in the appendix of the printed Owner's Handbook for the vehicle.

Owner's Handbook for Navigation, Entertainment, Communication

The topics of navigation, entertainment, communication and short commands of the voice input system can be called up through the integrated Owner's Handbook on the Control Display.

Additional sources of information

The Service Partner or a qualified specialist workshop will be happy to answer any further questions.

Information on BMW, for example on technology, on the Internet: www.bmw.com.

BMW Driver's Guide App

The Owner's Handbook is available as an app in many countries. You will find further information on the Internet at:

www.bmw.com/bmw_drivers_guide

Symbols and displays

Symbols in the Owner's Handbook

⚠ Indicates precautions that must be followed precisely in order to avoid the possibility of personal injury and serious damage to the vehicle.

◄ Marks the end of a specific item of information.

Refers to measures that can be taken to help protect the environment.

"..." identifies texts on a display in the vehicle for selecting functions.

›...‹ Identifies commands for the voice control system.

»...« Identifies replies by the voice control system.

Handling steps

The handling steps to be carried out are shown as a numbered list. The sequence of steps must be followed.

1. First handling step.
2. Second handling step.

Lists

Lists without a mandatory sequence or alternative possibilities are shown as a list with bullet points.

- ▷ First possibility.
- ▷ Second possibility.

Symbol for components and assemblies

Recommends that you study the relevant section of this Owner's Handbook in connection with a particular part or assembly.

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Vehicle equipment

This Owner's Handbook describes all models and all standard, national and special equipment provided in the model series. This Owner's Handbook may contain descriptions and illustrations of equipment not featured in your vehicle, for example due to selected special equipment or national version.

This also applies to safety-relevant functions and systems.

Comply with the relevant national regulations when using the corresponding functions and systems.

If certain equipment and models are not described in this Owner's Handbook, refer to the Supplementary Owner's Handbooks provided.

In right-hand drive vehicles, some control functions are arranged differently from those shown in the illustrations.

Built-date

The 'built-date' of your vehicle is indicated underneath the door post on the driver's door.

The 'built-date' is defined as 'the calendar month and the calendar year in which the body shell and the powertrain subassemblies are conjoined and the vehicle is driven or moved from the production line'.

Status of the Owner's Handbook

General

The high level of safety and quality of vehicles is ensured by continuous enhancement. In rare instances, your car may therefore differ from the information supplied here.

For Australia/New Zealand: general

When reading this Owner's Handbook, please bear the following in mind: to ensure that our vehicles continue to embody the highest quality and safety standards, we pursue a policy of continuous, ongoing development. Because modifications in the design of both vehicles and accessories may be introduced at any time, your own vehicle's equipment may vary from that described in this handbook. For the same reason, it is also impossible to guarantee that all descriptions will be completely accurate in all respects.

We must therefore request your understanding of the fact that the manufacturer of your vehicle is unable to recognise legal claims based on discrepancies between the data, illustrations and descriptions in this Owner's Handbook and your own vehicle's equipment. Please note, too, that some of the optional equipment described in this handbook is not available on Australian models due to restrictions imposed by Australian Design Rules and other requirements.

Should you require any further information, please contact your Service Partner or a qualified specialist workshop, who will be pleased to advise you.

Updates after going to press

If applicable, you will find updates after the editorial deadline in the appendix of the printed Owner's Handbook for the vehicle.

Your own safety

Warranty

Your vehicle is technically designed for the operating conditions and permit requirements prevalent in the country to which it was first delivered - approval. If your vehicle is to be operated in another country, it may have to be adapted to any prevailing different operating conditions and permit requirements. If your vehicle does not comply with the homologation requirements in a certain country you cannot lodge warranty claims for your vehicle there.

Further information is available from a Service Partner or a qualified specialist workshop.

Maintenance and repair

Advanced technology behind this vehicle, for example the use of modern materials and high-performance electronics, necessitates adapted methods of maintenance and repair.

The manufacturer of the vehicle recommends having respective work carried out by a BMW Service Partner or a qualified specialist workshop. Qualified specialist workshop in this Owner's Handbook refers to a workshop carrying out respective work, e.g. maintenance and repair, according to BMW specifications with respectively trained personnel.

If such work, e.g maintenance and repair, is performed inexpertly, it could result in consequential damage and thus constitute a safety risk.

Parts and accessories

BMW recommends using parts and accessory products that are approved by BMW and thus categorised as suitable.

The manufacturer of your vehicle recommends to consult with a BMW Service Partner prior to purchasing spare parts, operating materials or accessories. The BMW Service Partner informs about genuine BMW parts and accessories, other BMW approved products and offers expert advice on all related matters.

The safety and compatibility of genuine BMW parts and accessories in conjunction with BMW vehicles have been checked by BMW.

BMW accepts product liability for them. On the other hand, BMW cannot accept liability for unsuitable parts or accessory products of any kind.

BMW does not evaluate each individual product of outside origin as to its suitability for use on BMW vehicles without safety risk. BMW does not evaluate the suitability of products, even if a country-specific official approval was issued. BMW cannot evaluate, whether these products are suitable for BMW vehicles under all usage conditions.

Data memory

Many of the electronic components of your vehicle contain data memories, which save technical information on vehicle condition, events and errors temporarily or permanently. This technical information documents the condition of a component, a module, a system or its environment:

- Operating states of system components, for example, fill levels.
- Status messages of the vehicle and individual components, for example, wheel rotation number/speed, movement delay, transverse acceleration.
- Malfunctions and faults of important system components, for example, lights and brakes.
- Responses of the vehicle to special driving situations, for example, triggering of an airbag, using the stability control systems.
- Ambient conditions, for example, temperature.

This data is only of a technical nature and is for detecting and rectifying faults and optimisation of vehicle functions. Movement profiles over driven routes cannot be created from this data. When servicing, for example, during repairs, service processes, warranty cases or quality assurance, this technical information can be read by employees of the Service Partner or a qualified specialist workshop, including the manufacturer, from the event and fault data memories with special diagnostic tools. There, you will receive further information as needed. After rectifying the fault, the information in the fault memory is deleted or continuously overwritten.

When using the vehicle, situations are conceivable in which this technical data can be per-

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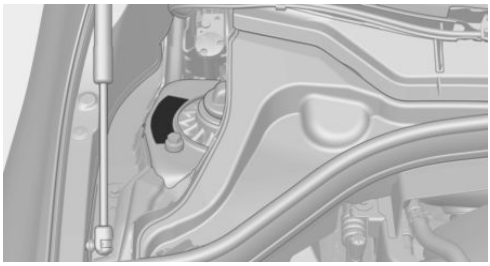
sonal in connection with other information, for example, accident report, damage to the vehicle, witness statements, etc. — possibly by enlisting the help of an expert.

Additional functions, contractually agreed with the customer, for example vehicle location in an emergency, allow certain pieces of vehicle data to be transferred from the vehicle.

Vehicle identification number



The vehicle identification number is in the engine compartment.

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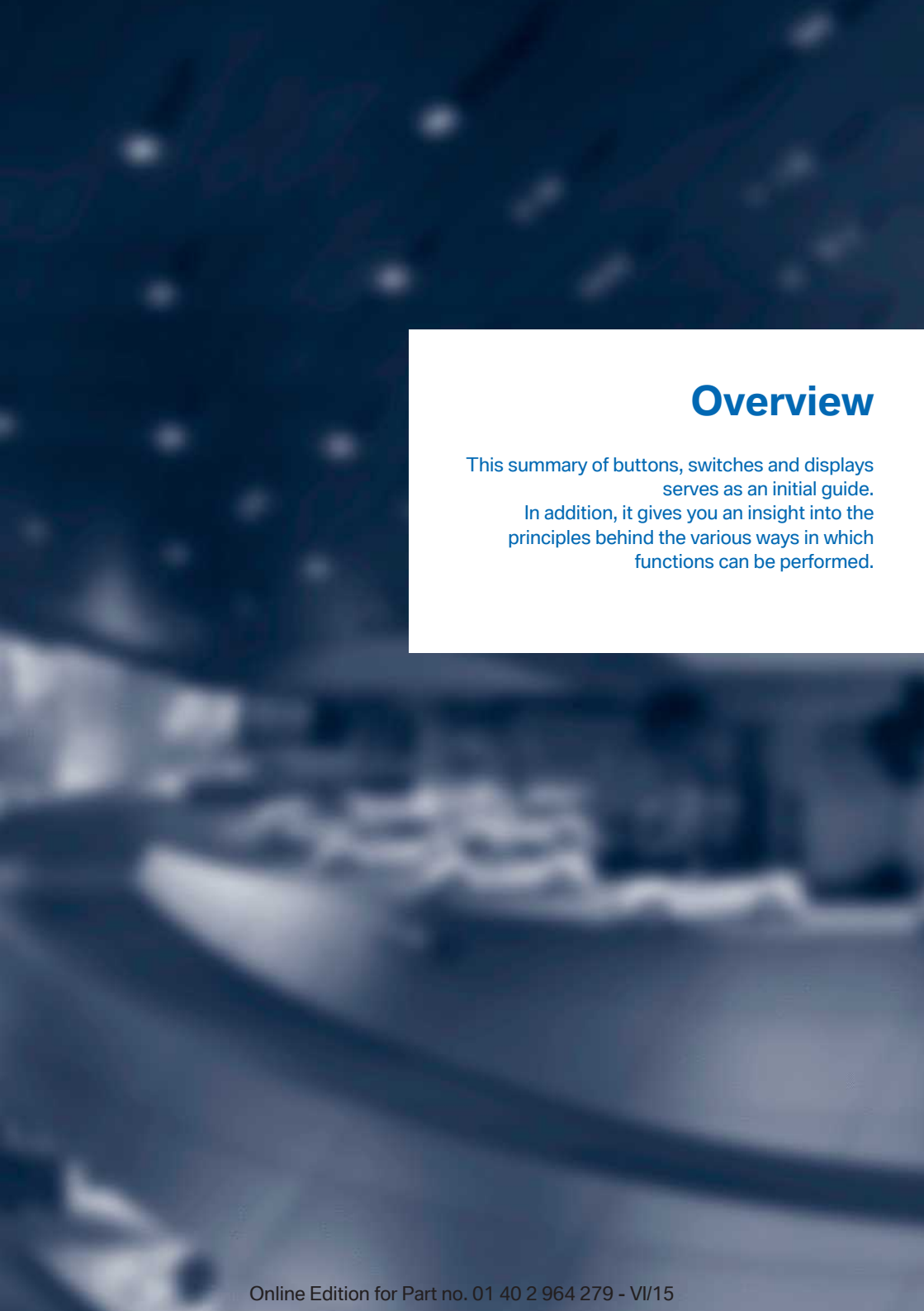

Overview

This summary of buttons, switches and displays serves as an initial guide.
In addition, it gives you an insight into the principles behind the various ways in which functions can be performed.

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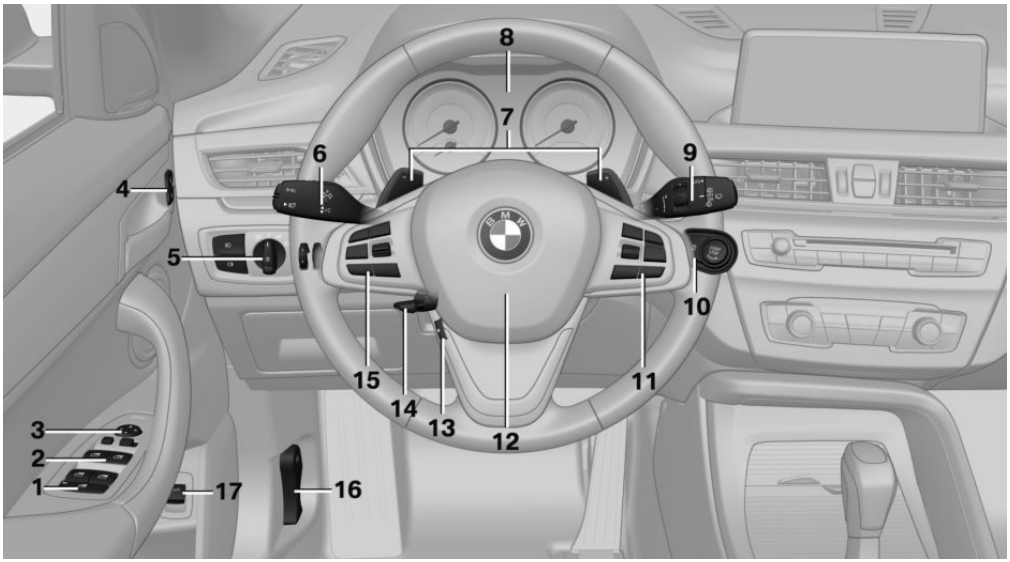
Cockpit

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Around the steering wheel



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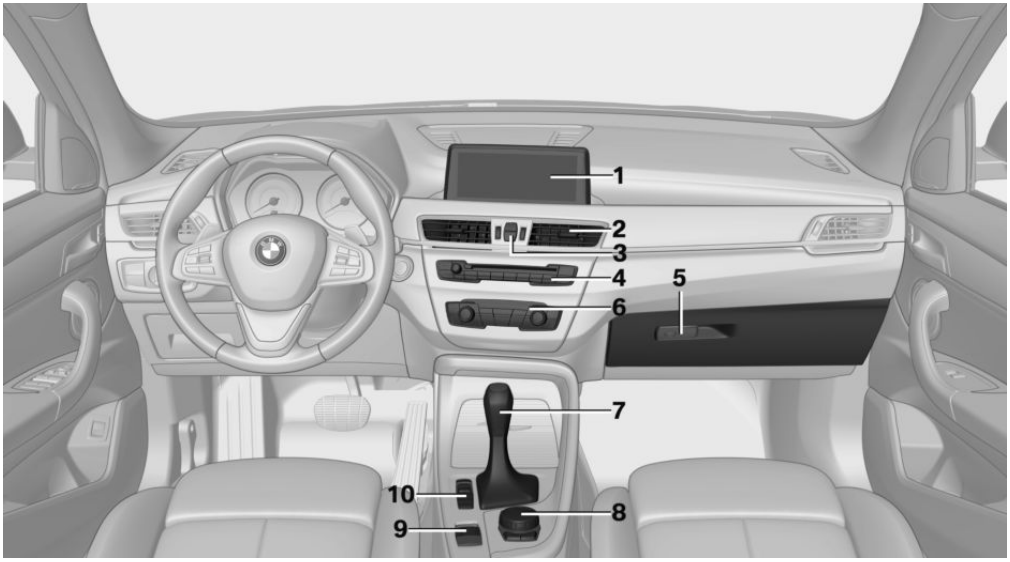

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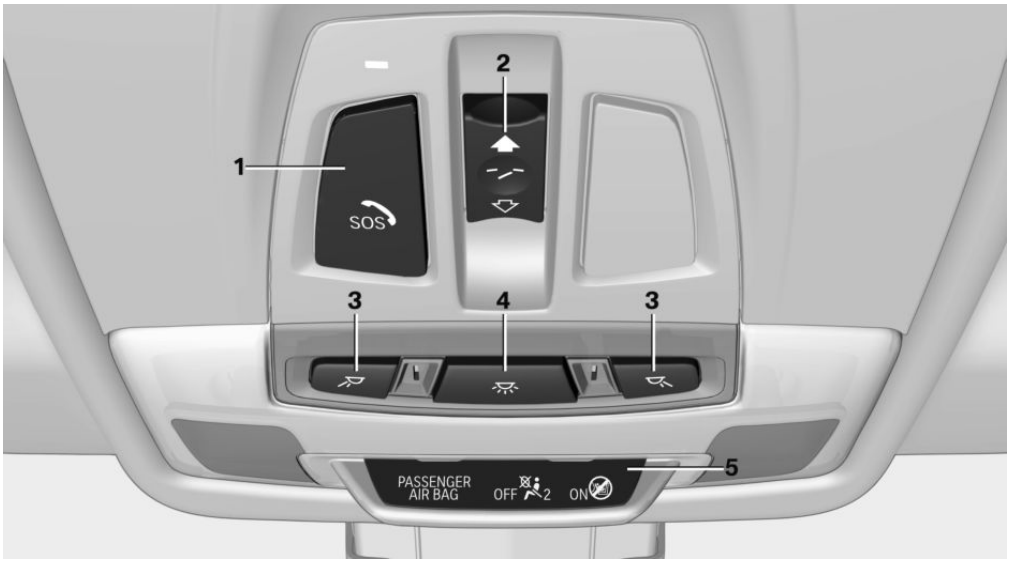

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iDrive

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Principle

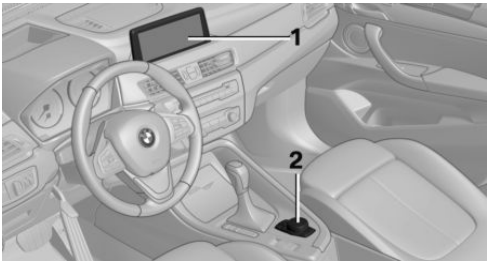
iDrive integrates the functions of a large number of switches. These functions can therefore be controlled from one central point.

WARNING

Operating integrated information systems and communication devices during the journey can distract from traffic. You could lose control of the vehicle. Danger of accidents. Only operate the systems or devices if permissible in the traffic situation. Stop if necessary and operate the systems or devices with the vehicle at a standstill.◄

Overview of controls

Control functions



1 Control Display

2 Controller with buttons and touchpad, depending on equipment

Control Display

Information

- To clean the Control Display, comply with the information regarding care.
- To avoid risk of damage to the Control Display, do not place objects in front of it.
- At very high temperatures on the Control Display, for example because of intensive sunshine, there may be a reduction in brightness and the Control Display may even switch itself off. Normal functions will be restored when the temperature is reduced, for example by shading or using the air conditioning system.

Switching on

1. Switch on ignition.
2. Press the Controller.

Switching off

1. 

Press the button.

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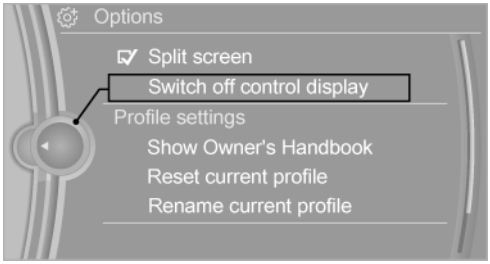
2. "Switch off control display"

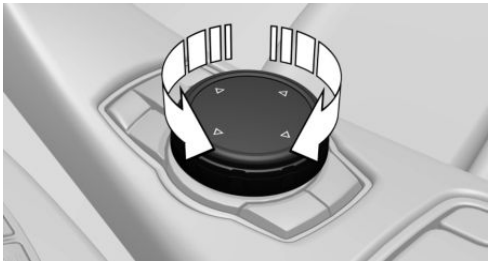


Controller with navigation system

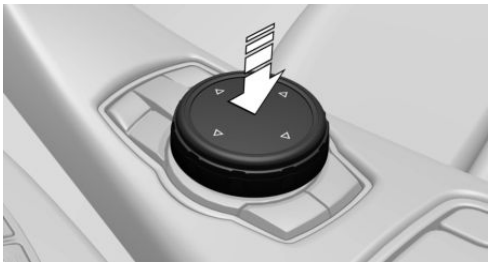
The buttons can be used to call up menus directly. The Controller can be used to select menu items and alter settings.

Some of the functions of the iDrive can be operated with the touchpad of the Controller.

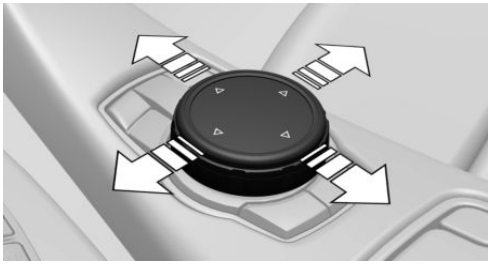
1. Turning.



2. Pressing.



3. Tilting in four directions.



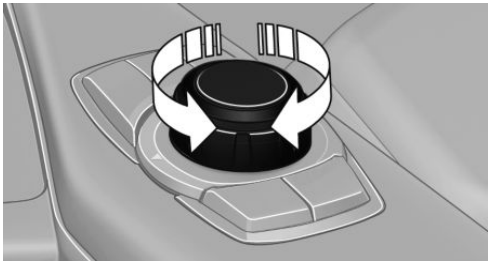
Buttons on the Controller

Press the button	Function
MENU	Calls up the main menu.
RADIO	Calls up the Radio menu.
MEDIA	Calls up the multimedia menu.
NAV	Calls up the Navigation menu.
TEL	Calls up the Telephone menu.
BACK	Displays the previous screen.
OPTION	Calls up the Options menu.

Controller without navigation system

The buttons can be used to call up menus directly. The Controller can be used to select menu items and alter settings.

1. Turning.



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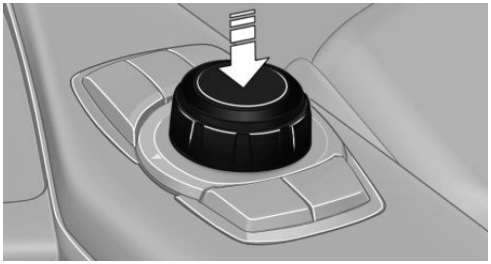
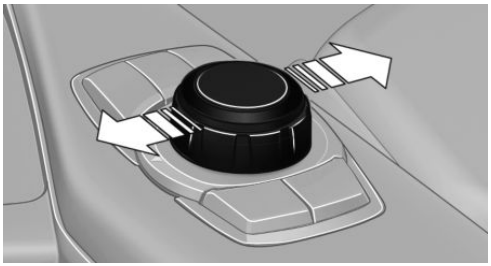
2. Pressing.



3. Tilting in four directions.



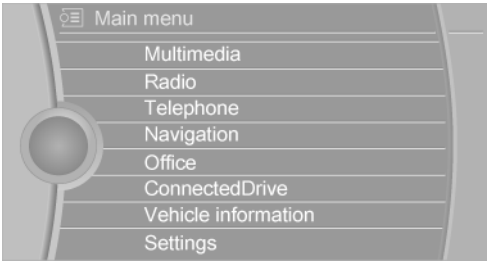
Buttons on the Controller

Press the button	Function
MENU	Calls up the main menu.
AUDIO	Calls up last heard audio menu, change between audio menus.
TEL	Calls up the Telephone menu.
BACK	Call up previous table.
OPTION	Calls up the Options menu.

Operating principle

Calling up the main menu

MENU Press the button.



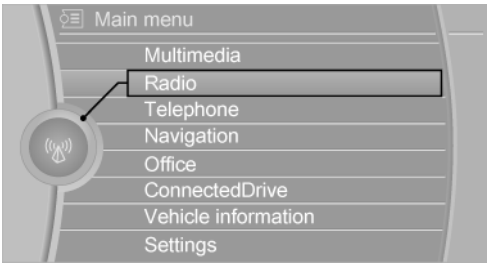
The main menu is displayed.

All iDrive functions can be called up via the main menu.

Selecting a menu item

Highlighted menu items can be selected.

1. Turn the Controller until the desired menu item is highlighted.



2. Press the Controller.

Menu items in the Owner's Handbook

In this Owner's Handbook, the menu items that are to be selected are shown in quotation marks, for example "Settings".

Switching between screens

After a menu item has been selected, for example "Radio", a new screen is displayed. Screens can appear one on top of the other.

▷ Tilt the Controller to the left.

The current screen is closed and the previous screen is displayed.

Pressing the BACK button reopens the previous screen. The current screen is not closed.

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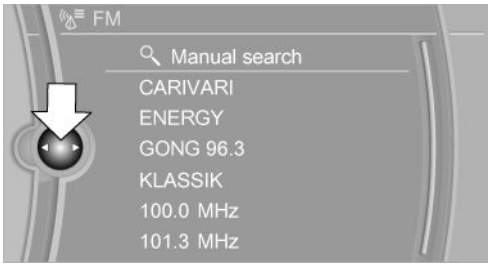
▷ Tilt the Controller to the right.

A new screen is opened and overlaid.

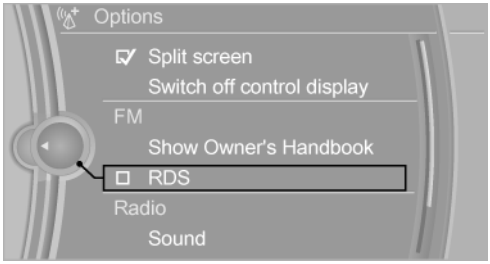


White arrows to the left or right indicate that other screens can be called up.

Calling up the Options menu

OPTION Press the button.

The "Options" menu is displayed.



Alternatively, tilt the Controller repeatedly to the right until the "Options" menu is displayed.

Options menu

The "Options" menu consists of various areas:

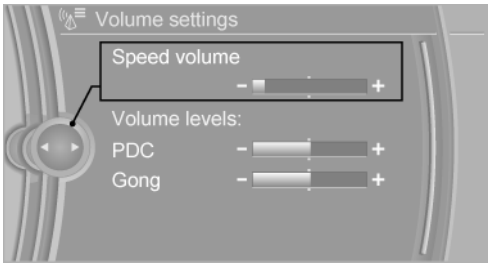
▷ Screen settings, for example "Split screen".

▷ Operating options for the selected main menu, for example for "Radio".

▷ If applicable, other operating options for the selected main menu, for example "Save station".

Adjusting the settings

1. Select a field.
2. Turn the Controller until the desired setting is displayed.



3. Press the Controller.

Enabling/disabling functions

Some menu items are preceded by a checkbox. This indicates whether the function is enabled or disabled. Selecting the menu item enables or disables the function.

☑ Function is enabled.

☐ Function is disabled.

Touchpad

Some of the functions of the iDrive can be operated with the touchpad of the Controller:

Selecting functions

1. "Settings"
2. "Touchpad"
3. Select desired functions.
   ▷ "Write": enter letters and numbers.
   ▷ "Interactive map": operate interactive card.
   ▷ "Browser": enter Internet addresses.
   ▷ "Audio feedback": the letters and numbers entered are read out.

Entering letters and numbers

Entering letters requires a bit of practice to begin with. Pay attention to the following when entering:

- The system recognises capital and small letters. To enter small and capital letters and numbers, it may be necessary to the change input mode, for example, when identically writing small and capital letters. Change between upper/lower case, numbers and symbols, see page 23.
- Enter symbols as they are displayed on the Control Display.
- Relevant symbols, such as accents or full stops are always known ambiguously with the letter. The input option depends on the language that has been set. You may need to enter special characters using the Controller.
- To delete a character, swipe the touchpad towards the left.
- To enter a space, swipe towards the right in the middle of the touchpad.
- To enter a hyphen, swipe towards the right in the upper area of the touchpad.
- To enter an underscore, swipe towards the right in the lower area of the touchpad.

Operating interactive map and Internet

The Interactive map of the navigation system and websites can be moved using the touchpad.

Function	Controls
Move interactive map or web pages.	Swipe in the appropriate direction.
Enlarge/reduce interactive map or web pages.	Pinch or open up your fingers on the touchpad.
Show menu or open a link on the Internet.	Tap once.

Adjusting the settings

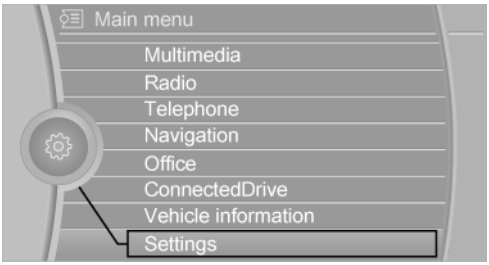
Settings on the Control Display, such as volume, for example, can be made using the touchpad. To do this swipe left or right as appropriate.

Example: setting the clock

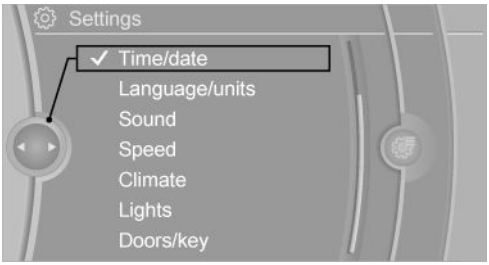
Setting the clock

On the Control Display:

1. MENU Press the button. The main menu is displayed.
2. Turn the Controller until "Settings" is highlighted and press the Controller.



3. If necessary, tilt the Controller to the left to display "Time/date".
4. Turn the Controller until "Time/date" is highlighted and press the Controller.



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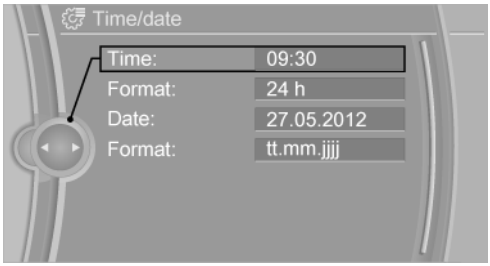
5. Turn the Controller until "Time:" is highlighted and press the Controller.



6. Turn the Controller to set the hour and press the Controller.
7. Turn the Controller to set the minutes and press the Controller.

Status information

Status field

The following items of information are displayed in the status field on the top right:

- Time.
- Current entertainment source.
- Sound output on/off.
- Reception level of mobile telephone network.
- Phone status.
- Reception of traffic reports.

Symbols in the status field

The symbols are combined in the following groups.

Symbols for radio

Symbol	Meaning
TP	Traffic Information switched on.

Symbols for telephone

Symbol	Meaning
	Incoming or outgoing call.
	Missed call.
	Reception level of mobile telephone network. Symbol flashes: network search.
	No mobile telephone network available.
	Bluetooth switched on.
	Data transfer active.
	Roaming active.
	Text message received.
	SIM card check.
	SIM card disabled.
	SIM card not found.
	PIN required.

Symbols for entertainment

Symbol	Meaning
	CD/DVD player.
	AUX-IN port.
	USB audio interface.
	Mobile telephone audio interface.

Other functions

Symbol	Meaning
	Spoken instructions switched off.

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Split-screen

General

In the split-screen view, additional information can be displayed on the right-hand side of the screen, for example information from the on-board computer.

This information remains visible in the split-screen view even if a switch is made to another menu.

Switching the split-screen view on and off

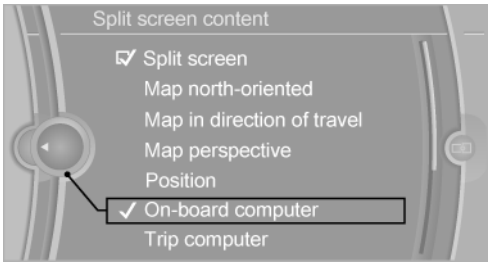
On the Control Display:

1. OPTION Press the button.
2. "Split screen"

Selecting display

On the Control Display:

1. OPTION Press the button.
2. "Split screen"
3. Tilt the Controller until the split-screen is selected.
4. Press the Controller or select"Split screen content"
5. Select the desired menu item.



Favourites buttons

General

iDrive functions can be saved on the favourites buttons and called up directly, for example radio stations, navigation destinations, telephone numbers and shortcuts into the menu.

The settings are saved for the current profile.

Without navigation system and telephone

On the buttons, only the radio transmitter can be saved.

Saving a function

1. Highlight the function using the iDrive.
2. 1 ... 8 Press and hold the required button until a signal sounds.

Performing a function

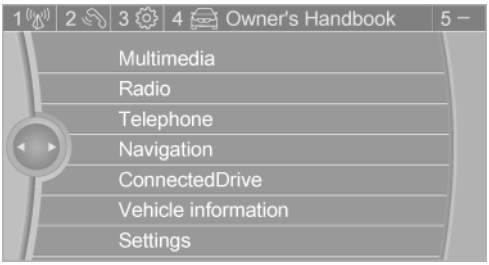
1 ... 8 Press the button.

The function is carried out immediately. If you have selected a telephone number, for example, the connection will also be established.

Displaying assignment of buttons

Touch the buttons with your finger. Do not wear gloves or use objects.

The assignment of the buttons is displayed at the top edge of the screen.



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Clearing assignment of buttons

1. Press buttons 1 and 8 simultaneously for approximately five seconds.
2. "OK"

Deleting personal data in vehicle

Principle

Vehicle stores personal data, depending on how it is used, such as stored radio stations. This personal data can be permanently deleted using iDrive.

General

Following data can be deleted, depending on equipment:

- Personal Profile settings.
- Stored radio stations.
- Stored favourite buttons.
- Trip and on-board computer values.
- Music collection.
- Navigation, for example stored destinations.
- Phone book.
- Online data, for example favourites, cookies.
- Voice memos.
- Login accounts.
- RemoteApp smartphone pairing.

It can take up to 30 minutes in total to delete data.

Operating requirements

Data can only be deleted at a standstill.

Deleting data

Follow the instructions on the Control Display.

1. Switch on ignition.
2. "Settings"
3. Calling up "Options".
4. "Delete personal data"
5. "Continue"
6. "OK"

Entering letters and digits

General

On the Control Display:

1. Turn Controller and select letters or digits.
2. If applicable, select other letters or digits.
3. Select "OK" to confirm the input.

Symbol	Function
I←	Press the Controller: deletes a letter or digit.
I←	Press and hold down the Controller: deletes all numbers or letters.

Change between upper/lower case, numbers and symbols

Depending on the menu, you can switch between the input of lower case or upper case letters, numbers and symbols:

Symbol	Function
ABC	Enter letters.
1@+	Enter digits.
abc or ABC	Tilt the Controller up.

Without navigation system

@A Aa a@ Select the symbol.

Entry comparison

Input of names and addresses: the selection is gradually narrowed down and possibly supplemented with every subsequent letter that you enter.

Inputs are continuously compared with the data saved in the vehicle.

- ▷ Only letters that are present in the data is offered for entry.
- ▷ Destination search: place names can be entered in the writing of any language available on the Control Display.

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Voice control system

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Principle

- Through the voice control system most functions shown in the Control Display can be operated by spoken commands. The system supports spoken input.
- Functions that can only be used when the vehicle is stationary cannot be operated via the voice control system.
- The system has a special microphone on the driver's side.
- ›...‹ Indicates commands for the voice control system in the Owner's Handbook.

Requirements

On the control display set a language that is also supported by the voice control system, so that the vehicle can identify spoken commands.

Setting the language, see page 99.

Issuing voice commands

Activating the voice control system

1.  Press the button on the steering wheel.
2. Wait for acoustic signal.
3. Issue the command.

   Command detected by voice control system is announced and displayed in instrument cluster.

Symbol in the instrument cluster indicates that the voice control system is active.

If no further spoken commands are possible, switch to iDrive to control the function in this case.

Switching off the voice control system

 Press the button on the steering wheel or say ›Cancel‹.

Possible commands

Most of the menu items on the Control Display can be called up using spoken commands.

The possible commands depend on which menu is currently displayed on the Control Display.

For various functions there are short commands.

Several list entries, for example telephone book entries, can also be selected using the voice control system. When doing this, list entries are to be spoken exactly as they are shown in the relevant list.

Having possible commands read aloud

Possible commands can be read aloud: ›Voice commands‹.

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If, for example, the menu "Settings" is displayed, the commands for the settings are announced.

Running functions using short commands

Main menu functions can be performed immediately using short commands, almost irrespective of which menu item is selected, for example ›Vehicle status‹.

Help dialogue to voice control system

Call up help dialogue: ›Help‹.

Further commands for help dialogue:

- ›Help with examples‹: information on the current possible operations and the most important commands for this are read out.
- ›Help with voice input‹: information on the operating principle of the voice control system is read out.

An example: call up sound settings

Using main menu

Commands on the menu are read out so they can also be selected using the controller.

1. If necessary, switch on entertainment audio output.
2.  Press the button on the steering wheel.
3. ›Radio‹
4. ›Sound‹

Through short command

Desired sound setting can also be started using a shortcut.

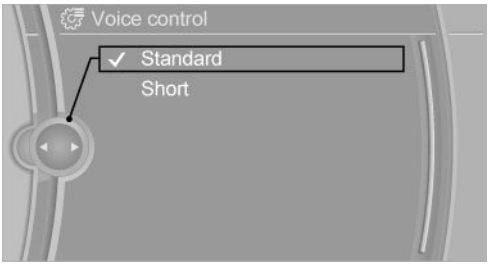
1. If necessary, switch on entertainment audio output.
2.  Press the button on the steering wheel.
3. ›Sound‹

Setting the speech dialogue

You can set whether the system uses the standard dialogue or the short variant,

With the short variants of the speech dialogue, the system announcements are played in shortened form.

1. "Settings"
2. "Language/units"
3. "Voice contr.:"
4. Select the setting.



Adjusting volume

Turn the volume knob during the voice instructions until the desired volume is obtained.

- The volume is retained even if you change the volume of other audio sources.
- The volume is stored for the currently used profile.

Information regarding emergency calls

The voice control system should not be used for emergency calls. Under stress, the spoken language and voice pitch can change, which

could unnecessarily delay the connection of your call.

Instead, use the SOS button, see page 229, in the area of the interior mirror.

Operating conditions

- Commands, digits and letters should be pronounced fluently, with the usual emphasis, and at a normal volume and speed.
- Always speak the commands in the language of the voice control system.
- When selecting the radio station, use the customary pronunciation of the station name as it is displayed on the Control Display.

  ›Station ...‹, for example, Classic Radio station.
- Doors, windows and the Glass Roof should be kept closed to avoid noise interference.
- Avoid background noises in the vehicle while you are speaking.

Integrated Owner's Handbook in the vehicle

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Integrated Owner's Handbook in the vehicle

The integrated Owner's Handbook can be shown in the control display. It particularly describes the equipment and functions present in the vehicle.

Components of the integrated Owner's Handbook

The integrated Owner's Handbook consists of three parts, which provide various levels of information or access possibilities.

Quick Reference

Important information is found in the quick reference for the operation of the vehicle, the operation of fundamental vehicle functions or in case of breakdown. This information can also be displayed when driving.

Search by pictures

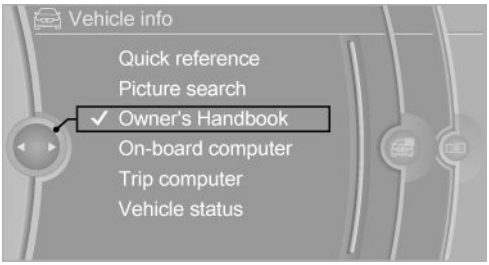
Using the search by pictures, information and descriptions can be searched using pictures. For example, this is particularly helpful when the description of a piece of equipment is needed, which cannot be named.

Owner's Handbook

Here, information and descriptions can be searched via the index by directly entering a search term.

Selecting components

1. MENU Press the button.
2. Turn the Controller and select "Vehicle information".
3. Press the Controller.
4. Select desired area:
   - ▷ "Quick reference"
   - ▷ "Picture search"
   - ▷ "Owner's Handbook"



Browsing within the Owner's Handbook

Page by page with link access

Turn the controller until the next or previous page is displayed.

Page by page without link access

Browse the pages directly, skipping links.

Highlight the symbol once. Then simply press the controller to browse from page to page.

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Browse back.

Browse forward.

Context-sensitive help - Owner's Handbook for the currently selected function

Suitable information can be displayed directly.

Calling up with iDrive operation

Switch to the Options menu directly from the application on the Control Display:

1. 

Press the button or tilt the Controller repeatedly to the right until the "Options" menu appears.
2. "Show Owner's Handbook"

Calling up with display of a check control message

Directly from the check control message on the Control Display:

"Show Owner's Handbook"

Switching between function and Owner's Handbook

You can use the Control Display to switch from a function, for example radio, to the Owner's Handbook, and then back and forth between the two displays:

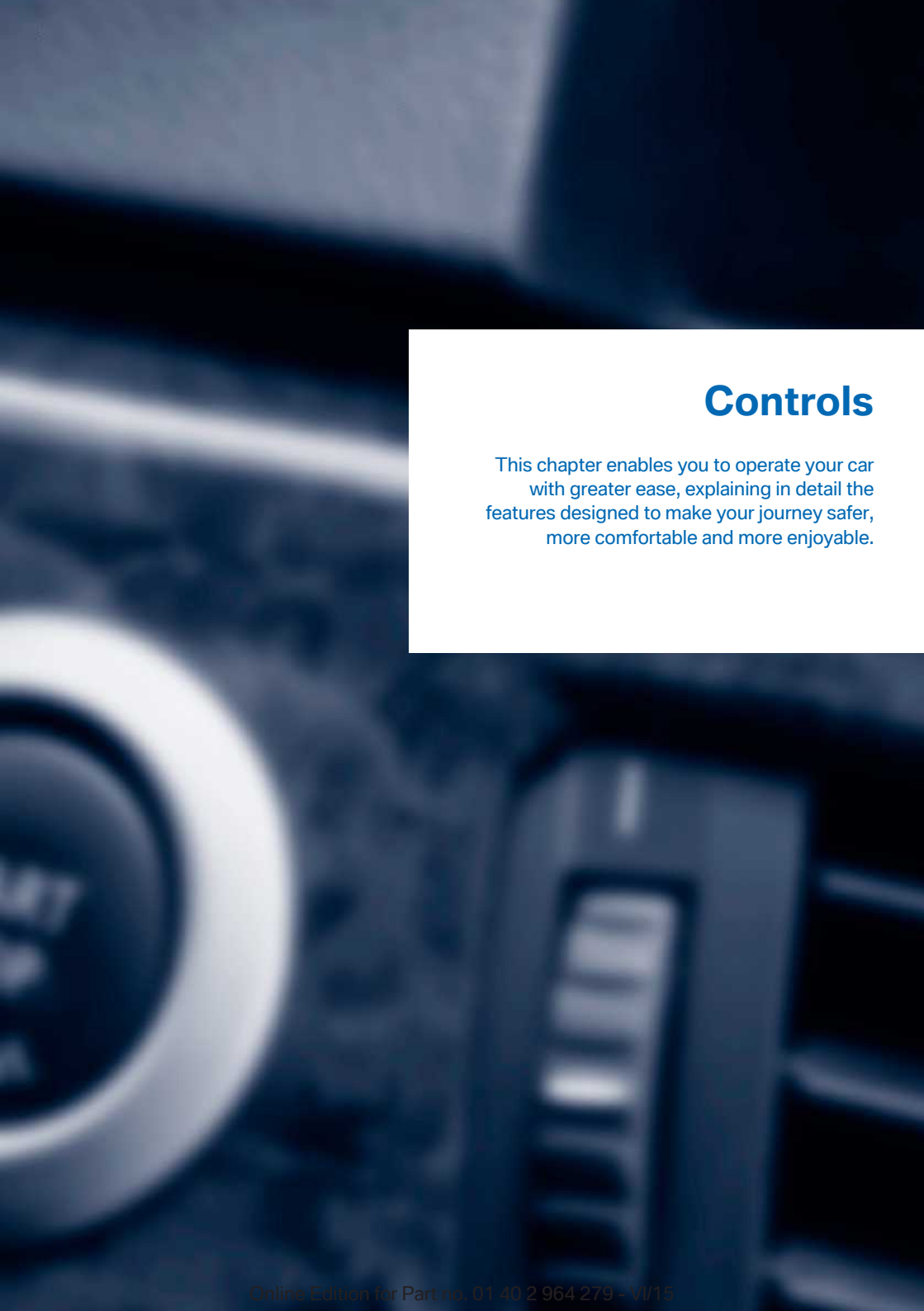
1. 

Press the button or tilt the Controller repeatedly to the right until the "Options" menu appears.
2. "Show Owner's Handbook"
3. Select the desired page in the Owner's Handbook.
4. 

Press the button again to switch back to the last displayed function.
5. 

Press the button again to switch back to the last displayed page of the Owner's Handbook.

To switch continuously between the last displayed function and the last displayed page of the Owner's Handbook, repeat steps 4 and 5. As you do so, new screens are opened.



Controls

This chapter enables you to operate your car with greater ease, explaining in detail the features designed to make your journey safer, more comfortable and more enjoyable.

Opening and closing

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Remote control/keys

General

The delivery specification includes two remote controls with integrated keys.

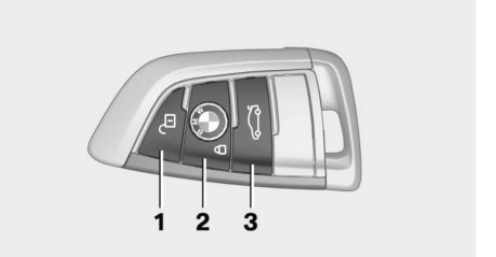
Every remote control contains a replaceable battery.

The functions of buttons may be set depending on equipment and national version. Settings, see page 43.

For each remote control, personal settings are stored in the vehicle. Personal profile, see page 34.

Further information on servicing is also stored in the remote controls Service data in the remote control, see page 216

Overview

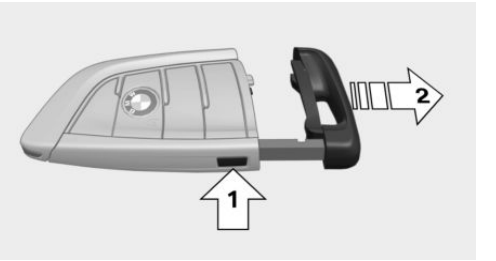


1 Unlocking

2 Locking

3 Unlock tailgate

Integrated key



Press button, arrow 1, and pull out key, arrow 2.

The integrated key fits the following locks:

- Driver's door.
- Glove box on the passenger side.

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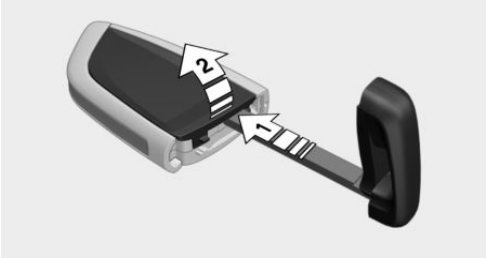
Replacing the battery



1. Remove the integrated key from the remote control.
2. Lift the cover for the battery compartment, arrow 1.
3. Remove the cover for the battery compartment, arrow 2.
4. Insert a new battery of the same type with the positive side facing upwards.
5. Press the cover back into position.

Dispose of old batteries at a Service Partner or a qualified specialist workshop or hand them into an authorised collecting point.

New remote controls

New remote controls are available from a Service Partner or a qualified specialist workshop.

Loss of remote controls

A lost remote control can be blocked by a Service Partner or a qualified specialist workshop.

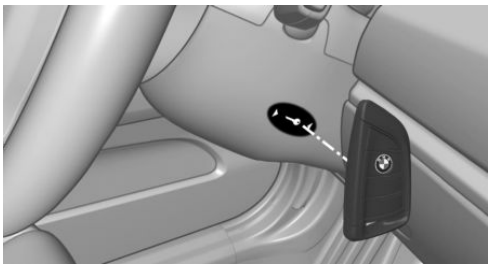
Special ID of the remote control

The ignition can be switched on or the engine started even in one of the following situations:

- Interference in the radio transmission to the remote control from external sources, for example by radio masts.
- Flat battery in the remote control.
- Inteference in radio transmission due to mobile radio device in the immediate vicinity of the remote control.
- Inteference in radio transmission due to the charger when charging in the vehicle, for example for mobile devices.

If an attempt is made to switch on the ignition or start the engine, a Check Control message is displayed.

Starting the engine in the event of emergency detection of the remote control



Steptronic transmission: if there is a corresponding Check Control message, hold the remote control with its back against the marking on the steering column. The tailgate button on the remote control should be at the same level as the marking. Within 10 seconds, press the start/stop button whilst holding the brake pedal pressed.

Manual gearbox: if there is a corresponding Check Control message, hold the remote control with its back against the marking on the steering column. The tailgate button on the remote control should be at the same level as the marking. Within 10 seconds, press the start/stop button whilst holding the clutch pedal pressed.

If the remote control is not detected: change the height of the remote control slightly and repeat the procedure.

Personal Profile

Principle

Personal profile provides three profiles in which personal vehicle settings can be saved. Each remote control is allocated to one of these profiles.

When the vehicle is unlocked with a remote control, the allocated personal profile is activated. All the settings saved in the profile are made automatically.

If several drivers each use their own remote control, the vehicle will adapt to their personal settings when it is unlocked. These settings are also resaved if the vehicle is used in the intervening period by someone with a different remote control.

Changes to settings are saved automatically in the personal profile.

Three personal profiles and a guest profile can be created.

Settings

Settings for the following systems and functions are saved in the active profile. The extent of settings that can be saved depends on the country and equipment.

- Unlocking and locking.
- Light.
- Air conditioning.
- Radio.
- Instrument cluster.
- Favourites buttons.
- Volumes, sound.
- Control Display.
- Navigation.
- Park Distance Control PDC.
- Rear-view camera.
- Head-Up Display.
- Drive experience switch.
- Driver's seat position, exterior mirror position, steering wheel position.
- Cruise Control.
- Intelligent Safety.

Profile management

Calling up profiles

Independently of the remote control that is used, another profile can be called up.

Via iDrive:

1. "Settings"
2. "Profiles"
3. Select a profile.

- The settings saved in the called-up profile are made automatically.
- The profile called up is assigned to the remote control currently used.
- If the profile has already been allocated to another remote control, this profile applies to both remote controls. It is no longer possible to differentiate between the settings of both remote controls.

Renaming profiles

To avoid mixing up the profiles, each profile can be given a personal name.

On the Control Display:

1. "Settings"
2. "Profiles"
3. Call up "Options".
4. "Rename current profile"

Resetting profiles

Settings of the active profile are reset to factory settings.

On the Control Display:

1. "Settings"
2. "Profiles"

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3. Call up "Options".
4. "Reset current profile"

Exporting profiles

Most of the settings of the active profile can be exported.

This may be useful for securing and calling up personal settings, for example, before taking the vehicle into a Service Centre. The saved profiles can be taken to another vehicle with the Personal Profile function.

The following options are available for export:

- Via BMW Online.
- Via USB interface to a USB medium.

  Common file systems for USB media are supported. FAT32 and exFAT formats are recommended for exporting profiles, export might not be possible with other formats.

On the Control Display:

1. "Settings"
2. "Profiles"
3. "Export profile"
4. BMW Online: "BMW Online"

   USB interface: "USB device"

Importing profiles

Profiles exported via BMW Online can be imported via BMW Online.

Profiles saved on a USB medium can be imported using the USB interface.

Existing settings are overwritten with the imported profile.

On the Control Display:

1. "Settings"
2. "Profiles"
3. "Import profile"
4. BMW Online: "BMW Online"

   USB interface: "USB device"

Using a guest profile

With the guest profile, individual settings can be made which are not saved in any of the three personal profiles.

This can be beneficial if a driver without their own profile uses the vehicle temporarily.

On the Control Display:

1. "Settings"
2. "Profiles"
3. "Guest"

Note: the guest profile cannot be renamed. It is not allocated to the current remote control.

Showing profile list at start

The profile list can be shown at the start to select the desired profile.

On the Control Display:

1. "Settings"
2. "Profiles"
3. Call up "Options".
4. "Profile list at start"

With the remote control

Note

WARNING

Persons remaining in the vehicle or pets left inside can lock the doors from the inside and lock themselves in. The vehicle cannot be opened from the outside. Danger of injury. Carry the remote control with you so that you can open the vehicle from the outside.◂

Unlocking

Press the button on the remote control.

Depending on the settings, see page 43, the following entrances are unlocked.

- The driver door and the fuel filler flap.
- All doors, the tailgate and the fuel filler flap.

The following functions are also carried out:

- The interior light is switched on. At dark, the courtesy light is additionally switched on. This function is not available if the interior light was switched off manually.
- The welcome light is switched on if this function was activated.
- Exterior mirrors folded in using comfort closing are folded out.
- Anti-theft system is switched off.
- The alarm system, see page 44, is disarmed.

Comfort opening

Keep the button on the remote control pressed after unlocking.

The windows and Glass Roof are opened for as long as the button on the remote control is pressed.

Locking

WARNING

If the vehicle is locked from the outside, it cannot be unlocked from the inside in some country versions.

If persons must remain in the vehicle for an extended period of time and are exposed to extreme heat or cold, there is a risk of injury or life. Do not lock the vehicle from the outside when there is someone inside it.◄

The driver's door must be closed.

Press the button on the remote control.

All doors, tailgate and fuel filler flap are locked.

Anti-theft system is switched on. It prevents the doors from being able to be unlocked using the locking buttons or the door openers.

The alarm system, see page 44, is armed.

Comfort closing

Keep the button on the remote control pressed after locking.

The windows and the Glass Roof are closed for as long as the button on the remote control is pressed.

Exterior mirrors are folded in.

With the hazard warning lights switched on, the exterior mirror is not folded in.

WARNING

Body parts can be trapped during comfort closing. Danger of injury. During comfort closing, make sure that the area of movement is free.◄

Switching on interior light and courtesy light

With the vehicle locked, press the button on the remote control.

The courtesy light is only switched on at dark. This function is not available if the interior light was switched off manually.

If the button is pressed again within 10 seconds of locking, passenger compartment protection and tilt alarm sensor of alarm system, see page 45, are switched off. After locking, wait 10 seconds before pressing the button again.

Unlocking tailgate

With automatic operation of the tailgate:

To prevent the remote control from being locked in, do not place the remote control in the boot.

Press the button on the remote control for approximately one second.

Tailgate opens slightly, regardless of whether vehicle is locked or unlocked.

With automatic operation of the tailgate, closed tailgate is automatically opened. To

close opened tailgate, press and hold button of remote control until tailgate is closed.

Depending on the equipment and country version it can be set whether the doors are also locked. Adjust the settings, see page 43.

In some equipment versions, doors are also unlocked if appropriate

If the doors were not unlocked, the tailgate is locked again as soon as it is closed. For this reason, keep the remote control with you at all times and do not lay it in the boot, otherwise there is a risk of the remote control being locked inside the vehicle when the tailgate is closed.

ATTENTION

Sharp or angular objects can hit the rear window and the heating conductor during the journey. Danger of damage to property. Cover the edges and make sure that sharp objects cannot strike the rear window.◄

Malfunction

Detection of the remote control by the vehicle may be disrupted by the following circumstances, amongst others:

- The battery of the remote control is discharged. Replacing the battery, see page 33.
- Disruption of the radio link by transmission masts or other equipment transmitting powerful signals.
- Shielding of the remote control by metallic objects.
- Disruption of the radio link by mobile telephones or other electronic devices in the immediate vicinity.

Do not transport the remote control together with metallic objects or electronic devices.

If there is a malfunction, the vehicle can also be unlocked and locked from the outside without remote control, see page 37.

Without remote control

From outside

WARNING

If the vehicle is locked from the outside, it cannot be unlocked from the inside in some country versions.

If persons must remain in the vehicle for an extended period of time and are exposed to extreme heat or cold, there is a risk of injury or life. Do not lock the vehicle from the outside when there is someone inside it.◄

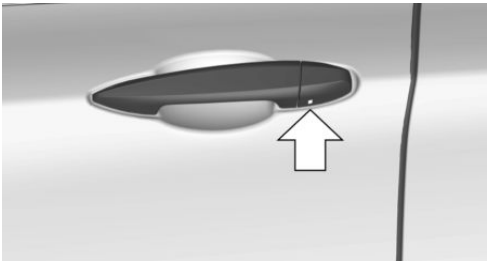
ATTENTION

The door lock is firmly connected to the door. The door handle can be moved. Pulling the door handle when the integrated key is inserted can damage the paint or the key. Danger of damage to property. Pull out the integrated key before pulling on the outer door handle.◄

Unlock or lock the driver's door using the integrated key, see page 32, in the door lock. The other doors must be unlocked or locked from the inside.

1. Remove cover on the door lock.

   To do that, push the integrated key from underneath into the opening until it stops, and remove the cover.



2. Unlock or lock the door lock.

Alarm system

The alarm system is not armed if the vehicle is locked with the integrated key.

Alarm system is triggered if the vehicle has been unlocked using the door lock.

To end this alarm, unlock the vehicle with the remote control or turn on the ignition, with special ID of the remote control, see page 33, as necessary.

From inside

Unlocking and locking

Via buttons for central locking system.

- ▷ Pressing button locks vehicle when front doors are closed.
- ▷ Pressing button unlocks vehicle.

Locking does not activate anti-theft protection for vehicle.

The fuel filler flap remains unlocked.

In the event of an accident of sufficent severity, the vehicle is automatically unlocked. The hazard warning lights and interior lights illuminate.

Unlocking and opening

- ▷ Press button for central locking to unlock doors together and then pull door opener above armrest.
- ▷ Turn the door opener on the door to be opened. The other doors remain locked.

Tailgate

Notes

To prevent the remote control from being locked in, do not place the remote control in the boot.

Opening

The tailgate swings rearwards and upwards when opened.

Make sure that there is sufficient space.

Opening from outside

- ▷ Press the button on the tailgate.
- ▷ Press the button on the remote control for approximately one second.

  Doors are also unlocked if appropriate. Unlocking with remote control, see page 36.

The tailgate is unlocked and can be swivelled upwards.

Closing

Notes

WARNING

Operating the tailgate can lead to parts of the body becoming trapped. Danger of injury. When opening and closing, make sure that the area of movement of the tailgate is free.◂

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ATTENTION

Sharp or angular objects can hit the rear window and the heating conductor during the journey. Danger of damage to property. Cover the edges and make sure that sharp objects cannot strike the rear window.◀

Closing

The recessed handles in the tailgate lining make it easier to pull the tailgate down.

Automatic operation of the tailgate

Adjusting the opening height

The extent to which the tailgate opens can be set.

ATTENTION

The tailgate swings rearwards and upwards when opened. Danger of damage to property. When opening and closing, make sure that the area of movement of the tailgate is free.◀

When setting the opening height, make sure that there is a space of at least 10 cm, 4 in above the tailgate.

1. "Settings"
2. "Tailgate"
3. Turn the Controller until the desired opening height is reached.

Opening

ATTENTION

The tailgate swings rearwards and upwards when opened. Danger of damage to property. When opening and closing, make sure that the area of movement of the tailgate is free.◀

- Press the button on the outside of the tailgate.
-  Press the button on the remote control for approximately one second.

  Doors are also unlocked if appropriate. Opening with remote control, see page 36.
-  Pull button in driver's door compartment upwards.

When the vehicle is stationary, the tailgate opens automatically up to the set opening height.

The opening procedure is interrupted:

- When a button is pressed again.
- When starting the engine.
- If the vehicle begins to move.
- By pressing the button on the inside of the tailgate.

Closing

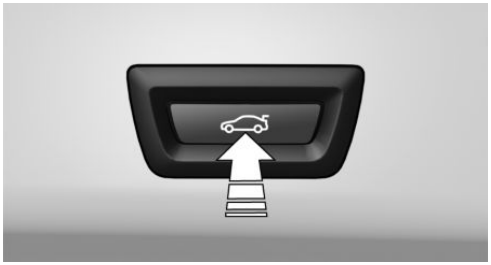
WARNING

Operating the tailgate can lead to parts of the body becoming trapped. Danger of injury. When opening and closing, make sure that the area of movement of the tailgate is free.◀

ATTENTION

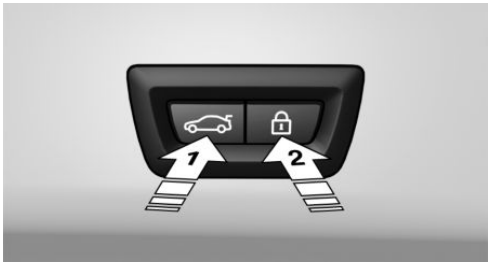
Sharp or angular objects can hit the rear window and the heating conductor during the journey. Danger of damage to property. Cover the edges and make sure that sharp objects cannot strike the rear window.◄

Without Comfort Access:



▷ Press the button on the inside of the tailgate.

With Comfort Access:



▷ Press button on the inside of tailgate, arrow 1.

Pressing the button again stops the movement.

▷ Press the button, arrow 2.

The vehicle is locked after the tailgate has been closed. To do this, the driver's door must be closed and the remote control must be outside the vehicle in the vicinity of the tailgate.

To prevent the remote control from being locked in, do not place the remote control in the boot.

Pressing the button again stops the movement.

▷ Press the button on the outside of the tailgate.

Pressing the button again stops the movement.

▷  Keep button pressed on remote control until tailgate has closed.

Releasing the button stops the movement.

▷  Press and hold button in driver's door compartment. Releasing stops the movement.

For this function, the remote control must be in the passenger compartment.

The tailgate closes.

The closing operation is interrupted:

▷ When starting the engine.

▷ When driving off suddenly.

Manual operation

WARNING

A locked tailgate can unexpectedly move during manual operation. Danger of injury or damage to property. Do not manually operate a locked tailgate. Have this checked by the Service Partner or a qualified specialist workshop.◄

In the case of an electrical defect, operate the unlocked tailgate manually, proceeding slowly and avoiding sudden movements.

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Comfort Access

Principle

Access to the vehicle is possible without activating the remote control.

It is sufficient to have the remote control with you, for example in a trouser pocket.

The vehicle automatically recognises the remote control when it is in the immediate vicinity or the interior of the vehicle.

Comfort Access supports the following functions:

- Unlocking/locking the vehicle.
- Comfort closing.
- Unlocking the tailgate separately.
- Opening/closing the tailgate contactlessly.
- Start the engine.

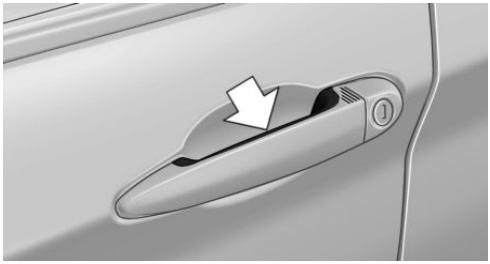
Notes

To prevent the remote control from being locked in, do not place the remote control in the boot.

Functional requirements

- No external sources of interference in the vicinity.
- To lock, the remote control must be located outside the vehicle in the area of the doors.
- Approximately 2 seconds need to elapse before the vehicle can be unlocked and locked again.
- An engine start is only possible if the remote control is in the vehicle.

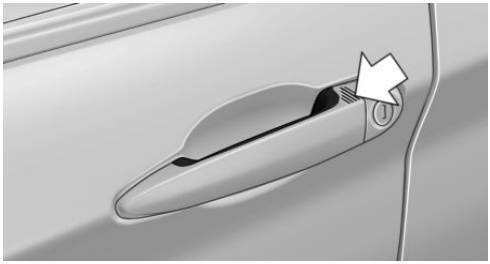
Unlocking



Firmly grab the handle on the driver's or front passenger's door, arrow.

This corresponds to pressing the button on the remote control.

Locking



Use your finger to touch area on door handle of driver's or front passenger's door for approximately 1 second, without gripping door handle.

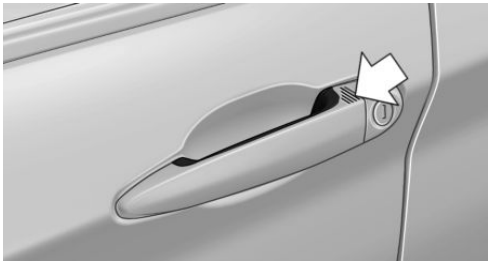
This corresponds to pressing the button on the remote control.

To reduce the burden on the vehicle battery, make sure that the ignition and all electrical consumers are switched off prior to locking.

Comfort closing

WARNING

Body parts can be trapped during comfort closing. Danger of injury. During comfort closing, make sure that the area of movement is free.◀



Use your finger to touch area on door handle of driver's or front passenger's door and keep your finger there without gripping door handle.

This corresponds to pressing and holding button of remote control.

In addition to locking, windows and Glass Roof are closed and exterior mirrors are folded in.

Unlocking tailgate individually

Press the button on the outside of the tailgate.

This corresponds to pressing the button on the remote control.

Status of doors does not change.

Keep the remote control with you at all times and do not lay it in the boot, otherwise there is a risk of the remote control being locked inside the vehicle when the tailgate is closed.

ATTENTION

The tailgate swings rearwards and upwards when opened. Danger of damage to property. When opening and closing, make sure that the area of movement of the tailgate is free.◄

Opening and closing the tailgate contactlessly

General

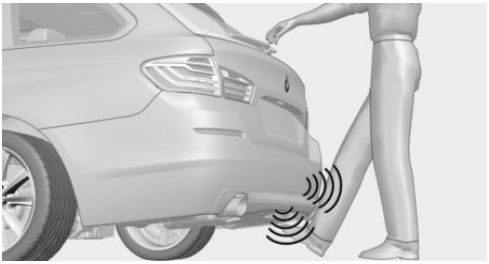
The tailgate can be opened contactlessly if you carry the remote control. With automatic operation of the tailgate, it can also be closed contactlessly. Two sensors detect a foot movement forwards in the middle of the rear area and the tailgate opens or closes.

Foot movement to be undertaken

WARNING

During operation without contact, there is a risk of touching vehicle parts, for example the hot exhaust system. Danger of injury. Make sure you are standing securely when you perform the foot movement, and do not touch the vehicle.◄

1. Stand in the centre behind the vehicle, approximately an arm's length away from the rear of the vehicle.
2. A foot must move as far as possible under the vehicle in the direction of travel and be withdrawn again immediately. In this movement, the leg must pass through the range of both sensors.



Opening

Perform the foot movement described previously.

The tailgate opens, regardless of whether it was locked or unlocked.

The hazard warning lights flash before opening.

If the remote control is within the sensor range, the tailgate can be accidentally opened by an unintentional or supposedly recognized foot movement.

The sensor range extends to approx. 1.50 m, 5 ft behind the rear area.

WARNING

Operating the tailgate can lead to parts of the body becoming trapped. Danger of injury. When opening and closing, make sure that the area of movement of the tailgate is free.◄

ATTENTION

The tailgate swings rearwards and upwards when opened. Danger of damage to property. When opening and closing, make sure that the area of movement of the tailgate is free.◄

Closing

Perform the foot movement described previously.

The warning indicator flashes and an audible signal sounds before the tailgate closes.

Closing the tailgate has no effect on locking the vehicle.

To prevent the remote control from being locked in, do not place the remote control in the boot.

The closing operation may be interrupted due to a new foot movement.

If the remote control is within the sensor range, the tailgate can be accidentally closed by an unintentional or supposedly recognized foot movement.

The sensor range extends to approx. 1.50 m, 5 ft behind the rear area.

WARNING

Operating the tailgate can lead to parts of the body becoming trapped. Danger of injury. When opening and closing, make sure that the area of movement of the tailgate is free.◄

ATTENTION

The tailgate swings rearwards and upwards when opened. Danger of damage to property. When opening and closing, make sure that the area of movement of the tailgate is free.◄

Malfunction

Detection of the remote control by the vehicle may be disrupted by the following circumstances, amongst others:

- The battery of the remote control is discharged. Replacing the battery, see page 33.
- Disruption of the radio link by transmission masts or other equipment transmitting powerful signals.
- Shielding of the remote control by metallic objects.
- Disruption of the radio link by mobile telephones or other electronic devices in the immediate vicinity.

Do not transport the remote control together with metallic objects or electronic devices.

In case of a fault, unlock and lock the vehicle with the buttons on the remote control or with the integrated key, see page 37.

Settings

Unlocking

Settings are saved in active profile, see page 34.

Doors

1. "Settings"
2. "Doors/key"
3. Select the symbol.
4. Select the desired function:
   - "Driver's door only"

     Only the driver's door and fuel filler flap are unlocked. Pressing again unlocks the entire vehicle.
   - "All doors"

     The entire vehicle is unlocked.

Boot lid

Depending on the equipment and country version, these settings are not provided.

1. "Settings"
2. "Doors/key"
3. Select the symbol.
4. Select the desired function:
   - "Tailgate"

     Depending on equipment, tailgate is unlocked or opened.
   - "Tailgate + door(s)"

     Depending on equipment, tailgate is unlocked or opened and doors are unlocked.

Acknowledgement signal of the vehicle

Settings are saved in active profile, see page 34.

1. "Settings"
2. "Doors/key"
3. "Turn signals for lock/unl."

Automatic locking

Settings are saved in active profile, see page 34.

1. "Settings"
2. "Doors/key"
3. Select the desired function:
   - "Automatic relock"

     The vehicle is locked automatically after a short while if no door is opened.
   - "Lock after driving away"

     On driving off, the vehicle is locked automatically.

Calling up seat, mirror setting

The last adjusted driver's seat and exterior mirror position is saved for the currently used remote control.

When the vehicle is unlocked, this position is called up automatically if the function has been enabled.

WARNING

Danger of trapping when moving the seats. Danger of injury or damage to property. Before making the setting, make sure that the movement area of the seat is clear.◀

Adjustment procedure is interrupted:

- By operating the switch or the seat adjustment.
- By touching a button of the seat and mirror memory.

Enabling setting

1. "Settings"
2. "Doors/key"
3. "Last seat position autom."

Alarm system

Principle

The alarm system is triggered when the vehicle is locked if:

- A door, the bonnet or the tailgate is opened.
- Movements in the interior.
- The vehicle's incline changes, for instance if an attempt is made to jack it up and steal the wheels or to raise it prior to towing away.
- There is an interruption in the power supply from the battery.

The alarm system will respond briefly to unauthorised attempts to access the vehicle as follows:

- Acoustic alarm.
- Switching on the hazard warning lights.

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Arming and disarming

At the same time as unlocking and locking the vehicle by remote control or Comfort Access the alarm system is also disarmed or armed.

Door lock with alarm system armed

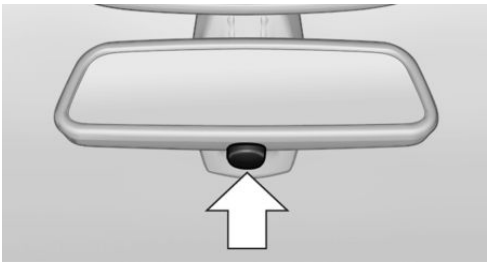
Alarm system is deactivated if the vehicle is unlocked using the door lock.

Tailgate with alarm system armed

The tailgate can be opened even with the alarm system armed.

On closing the tailgate, it is locked again and monitored, as long as the doors are locked. The hazard warning lights flash once.

Indicator light on the rear-view mirror



- Indicator light flashes every 2 seconds:

  The alarm system is armed.
- Indicator light flashes after locking:

  Doors, bonnet or tailgate are not closed correctly. Correctly closed access points are secured.

  After ten seconds, the indicator light flashes continuously. Interior protection and tilt alarm sensor are not active.

  If the access that is still open is closed then the interior protection and tilt alarm sensor are switched on.
- The indicator light no longer illuminates after the vehicle has been unlocked:

  No attempt has been made to tamper with the vehicle.
- The indicator light flashes after unlocking until the ignition is switched on, but for no longer than approximately five minutes:

  The alarm has been triggered.

Tilt alarm sensor

The incline of the vehicle is monitored.

Alarm system responds, for example, when there is an attempt to steal a wheel or when towing away.

Interior movement detector

To ensure perfect functioning, the windows and Glass Roof must be closed.

Avoiding false alarms

The tilt alarm sensor and interior movement detector can be switched off together, for example in the following situations:

- In car washes.
- In two-level garages.
- During transport via motorail, car ferry or trailer.
- When there are animals in the vehicle.

Switching off the tilt alarm sensor and interior movement detector

Press the button on the remote control again within 10 seconds, as soon as the vehicle is locked.

The indicator light illuminates for approximately 2 seconds and then flashes again.

The tilt alarm sensor and the interior movement detector are switched off until the next time the car is locked.

Switching off the alarm

- Unlock the vehicle with the remote control or switch on the ignition, if necessary using special ID of remote control, see page 33.

▷ For Comfort Access: completely grasp either front door handle when carrying remote control.

Power windows

Note

WARNING

Unsupervised children or animals in the vehicle can set the vehicle in motion and endanger themselves or other road users, for example by the following actions:

▷ Pressing the start/stop button.
▷ Releasing the parking brake.
▷ Opening and closing doors or windows.
▷ Setting the selector lever to neutral.
▷ Operating vehicle equipment.

Risk of accident or injury. Do not leave children or animals unsupervised in the vehicle. When leaving the vehicle, take the remote control with you and lock it.◄

Overview

Opening

▷  Push the switch as far as the resistance point.

The window opens as long as the switch is held.

▷  Push the switch past the resistance point.

The window opens automatically. The movement is stopped by pressing the switch again.

See also: Comfort opening, see page 36, by remote control.

Closing

WARNING

Operating the windows can lead to parts of the body or objects becoming trapped. Danger of injury or damage to property. When opening and closing, make sure that the area of movement of the windows is free.◄

▷  Pull the switch as far as the resistance point.

The window closes as long as the switch is held.

▷  Pull the switch past the resistance point.

The window closes automatically. Pulling the switch again stops the movement.

See also: Comfort closing, see page 36, by remote control.

See also: closing using Comfort Access, see page 41.

After switching off the ignition

Windows can still be operated:

▷ For some time with radio readiness switched on.
▷ For approximately one minute with the ignition switched off.

Anti-trap mechanism

WARNING

Operating the windows can lead to parts of the body or objects becoming trapped. Danger of injury or damage to property. When opening and closing, make sure that the area of movement of the windows is free.◄

WARNING

Accessories on the windows, for example aerials, can impair the anti-trap mechanism. Danger of injury. Do not attach any accessories in the area of movement of the windows.◄

If the closing power exceeds a certain value on closing a window, the closing operation is interrupted.

The window opens again slightly.

Closing without the anti-trap mechanism

WARNING

Operating the windows can lead to parts of the body or objects becoming trapped. Danger of injury or damage to property. When opening and closing, make sure that the area of movement of the windows is free.◄

If an external danger or ice does not allow you to close the windows normally, proceed as follows:

1. Pull the switch past the resistance point and hold it there.

   The anti-trap mechanism is restricted and the window opens slightly when the closing force exceeds a certain value.
2. Pull the switch past the resistance point again within approximately four seconds and hold it there.

   The window closes without the anti-trap mechanism.

Safety switch

General

The safety switch can be used to prevent children from opening and closing the rear windows by means of the switches in the rear, for example.

Notes

WARNING

Operating the windows can lead to parts of the body or objects becoming trapped. Danger of injury or damage to property. When opening and closing, make sure that the area of movement of the windows is free.◄

To prevent uncontrolled closing of the windows, press the safety switch e.g. when children or animals are transported in the rear.

Switching on and off

Press the button.

When the safety function is switched on, the LED is illuminated.

Panorama Glass Roof

General

The Glass Roof and the sun blind can be operated separately or together with the same switch.

Notes

WARNING

Operating the Glass Roof can lead to parts of the body becoming trapped. Danger of injury. When opening and closing, make sure that the area of movement of the Glass Roof is free.◄

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WARNING

Unsupervised children or animals in the vehicle can set the vehicle in motion and endanger themselves or other road users, for example by the following actions:

- Pressing the start/stop button.
- Releasing the parking brake.
- Opening and closing doors or windows.
- Setting the selector lever to neutral.
- Operating vehicle equipment.

Risk of accident or injury. Do not leave children or animals unsupervised in the vehicle. When leaving the vehicle, take the remote control with you and lock it.◀

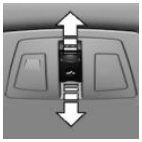
Raising Glass Roof and closing raised Glass Roof

Press the top of the switch.

- From the closed position, the Glass Roof is raised and the sun blind opens slightly.
- The opened Glass Roof closes to the raised position. The sun blind does not move.

- Raised Glass Roof is closed. The sun blind does not move.

Opening/closing the Glass Roof and sun blind separately



- Push and hold the switch in the desired direction as far as the resistance point.

  The sun blind opens as long as the switch is held. The Glass Roof opens if the sun blind is already completely opened.

  The Glass Roof closes as long as the switch is held. If the Glass Roof is already closed or is in the raised position, the sun blind closes.

- Push the switch beyond the resistance point in the desired direction.

  The sun blind opens automatically. The Glass Roof opens automatically if the sun blind is already completely opened.

  The Glass Roof closes automatically. If the Glass Roof is already closed or is in the raised position, the sun blind closes automatically.

  Movement is stopped by pressing switch upwards.

Opening and closing the Glass Roof and sun blind together

Push the switch twice in rapid succession beyond the resistance point in the desired direction.

The Glass Roof and the sun blind open together. Movement is stopped by pressing switch upwards.

- See also: Comfort opening, see page 36, and comfort closing, see page 36, by remote control.
- See also: closing using Comfort Access, see page 41.

Comfort position

If Glass Roof is not completely opened by automatic function, this means comfort position has been reached. In this position, wind noise inside vehicle is at lowest level.

You can continue the movement by subsequently pressing the button.

After switching off the ignition

The Glass Roof can still be opened or closed for approximately 1 minute after the ignition has been switched off.

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Anti-trap mechanism

If the closing power of the Glass Roof exceeds a certain value, the closing operation is interrupted from approximately the half-open position, or during closing from the raised position.

The Glass Roof opens again slightly.

WARNING

Operating the Glass Roof can lead to parts of the body becoming trapped. Danger of injury. When opening and closing, make sure that the area of movement of the Glass Roof is free.◄

Closing without anti-trap mechanism from open position

In the event of danger from the outside, proceed as follows:

1. Slide the switch forwards beyond the resistance point and hold it there.

   The anti-trap mechanism is restricted and the Glass Roof opens slightly when the closing force exceeds a certain value.
2. Press the switch forwards once again beyond the resistance point and hold until the Glass Roof closes without the anti-trap mechanism. Ensure that the closing area is clear.

Closing without anti-trap mechanism from raised position

If there is a danger from the outside slide the switch forwards beyond the resistance point and hold it there.

The Glass Roof closes without the anti-trap mechanism.

Initialising after power failure

The Glass Roof functions may be restricted after a power cut during the opening or closing operation.

Initialising the system

The system can be initialised when the vehicle is stationary and the engine is running.

During the initialisation the Glass Roof closes without the anti-trap mechanism.

WARNING

Operating the Glass Roof can lead to parts of the body becoming trapped. Danger of injury. When opening and closing, make sure that the area of movement of the Glass Roof is free.◄

Press the top of the switch and hold until the initialisation is complete:

- ▷ Initialisation begins within 15 seconds and is complete when the Glass Roof and sun blind are fully closed.

▷ The Glass Roof closes without the anti-trap mechanism.

Adjusting

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Safe seated position

A seated position that suitably reflects your requirements is a vital condition of relaxed driving with a minimum of fatigue.

In the event of an accident, the seated position plays an important role together with:

- Seat belts, see page 54.
- Head restraints, see page 56.
- Airbags, see page 108.

Front seat

Notes

WARNING

Seat adjustment during the journey can lead to unexpected seat movements. You could lose control of the vehicle. Danger of accidents. Only adjust the seat on the driver side when at a standstill.◄

WARNING

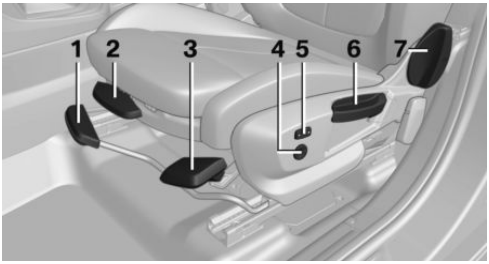
If the seat backrest is angled back too far, the protective effect of the seat belt will no longer be guaranteed. There is a danger of slipping under the seat belt in the event of an accident. Danger of injury or life. Set the seat before starting the journey. Place the seat backrest in the most upright possible position, and do not change it during the journey.◄

WARNING

Danger of trapping when moving the seats. Danger of injury or damage to property. Before making the setting, make sure that the movement area of the seat is clear.◄

Manually adjustable seats

Overview



1 Forward/back
2 Thigh support
3 Seat angle
4 Lumbar support
5 Backrest width
6 Height
7 Backrest angle

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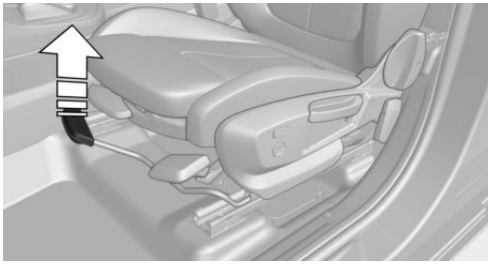
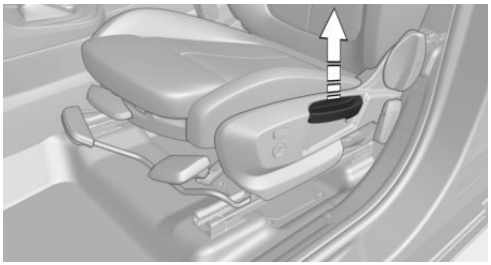
Forward/back



Pull the lever and slide the seat in the desired direction.

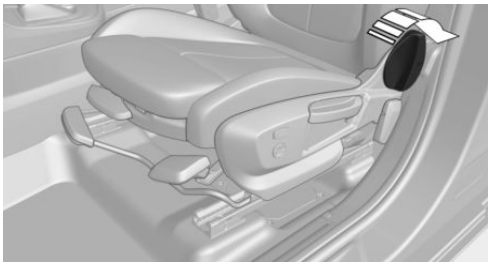
After releasing the lever, move the seat gently forward or back to make sure it engages properly.

Height



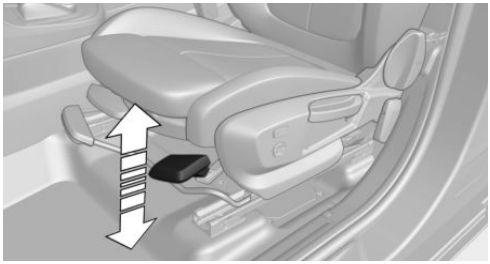
Pull the lever up or press the lever down until the desired height is reached.

Backrest angle



Push lever and add or remove pressure on backrest as required.

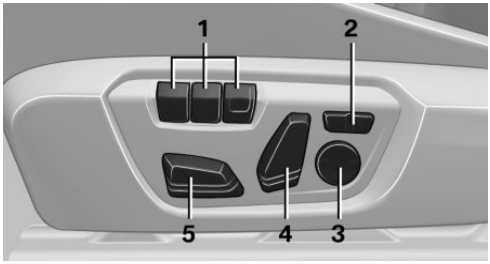
Seat angle



Pull lever up or press lever down until the desired seat angle is reached.

Electrically adjustable seats

Overview



1 Seat and mirror memory
2 Backrest width
3 Lumbar support
4 Backrest angle
5 Forward/back, height, seat angle

General

The driver's seat adjustment is saved for the profile currently in use. When the vehicle is unlocked using the remote control, this position is called up automatically if the function, see page 44, for this has been activated.

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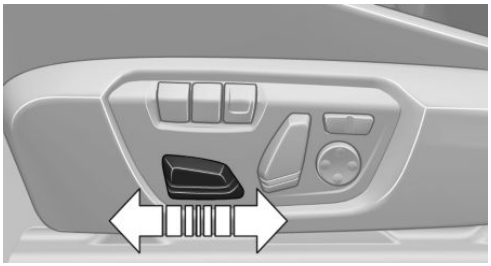
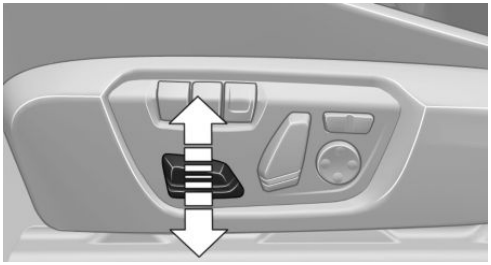
Settings in detail

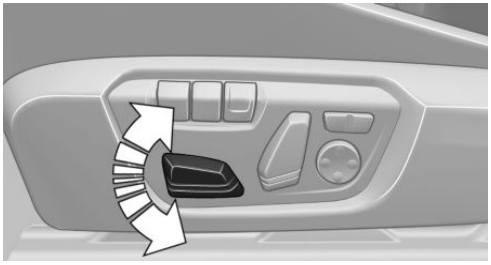
1. Longitudinal direction.



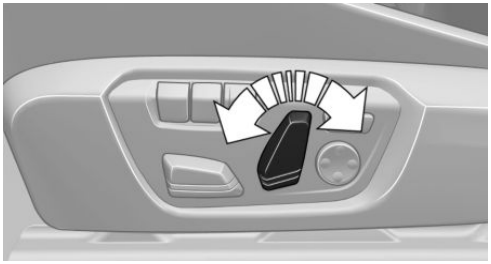
2. Height.



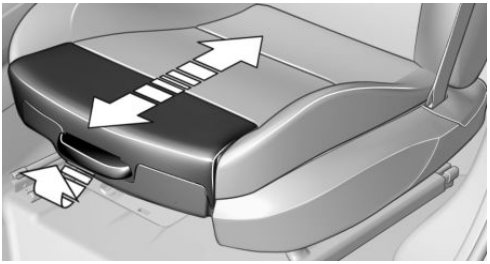
3. Seat angle.



4. Backrest angle.



Thigh support



Pull the lever on the front of the seat and adjust the thigh support.

Lumbar support

The curvature of the backrest can be changed in such a way that the lumbar region, the lordosis, is supported. The upper edge of the pelvis and the spinal column are supported to encourage an upright posture.

- ▷ Press the switch at the front/rear:

  The curvature is increased/decreased.
- ▷ Press the switch at the top/bottom:

  The curvature is shifted upwards/downwards.

Backrest width

Alter the width of the backrest via the side cushions to adjust the lateral support.

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Seat heating, front

Switching on

Press the button once per temperature stage.

Maximum temperature is indicated by three LEDs.

If the journey is continued within about 15 minutes, the seat heating automatically activates with the last temperature set.

If ECO PRO, see page 190, is activated, the heating power is reduced.

Switch off

Press and hold down the button.

LEDs go out.

Rear seats

Two rows of seats

Notes

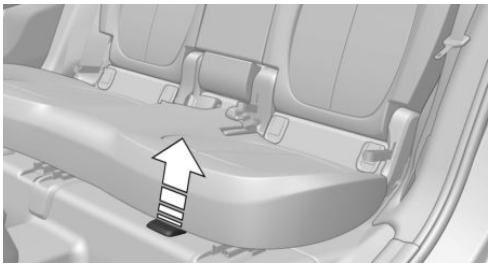
WARNING

Danger of trapping when folding down the centre armrest in the rear. Danger of injury. When folding down, make sure that the area of movement of the centre armrest is free.◀

WARNING

Seat adjustment during the journey can lead to unexpected seat movements. You could lose control of the vehicle. Danger of accidents. Only adjust the seat on the driver side when at a standstill.◀

Forward/back



Pull the lever and slide the seat in the desired direction.

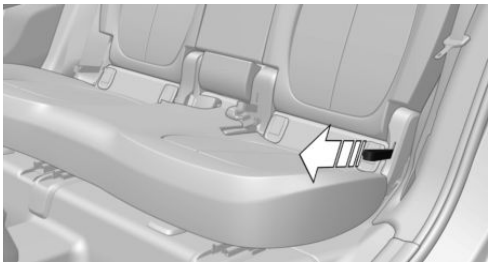
After releasing the lever, move the seat gently forward or back to make sure it engages properly.

Front/back direction can be set in ratio 60/40.

Backrest angle

WARNING

The backrest can unexpectedly move during the journey due to unintentional unlocking of the rear backrests via the loops. Danger of injury. Do not attach objects to the loops for unlocking the rear backrests.◀



Pull loop and add or remove pressure on backrest as required.

Seat belts

Number of seat belts

Your vehicle has been fitted with five seat belts for the safety of you and your passengers. However, they can only offer protection when adjusted correctly.

General

Before a journey, always make sure that all occupants have fastened their seat belts.

To protect vehicle occupants, belt interlock is triggered early. When it is applied, guide the belt slowly from the bracket.

The airbags are a complementary safety feature and not a substitute for the seat belts.

The belt anchorage is suitable for adults of any stature as long as the seat is correctly adjusted.

- Both belt buckles incorporated into the rear seat are determined for those sitting on the left and right.
- Inner belt locks on back seat are exclusively intended for occupant in middle.

Notes

WARNING

Using a seat belt to restrain more than one person nullifies the protective effect of the seatbelt. Danger of injury or life. Only restrain one person with each seat belt. Do not place infants and children on your lap, but instead restrain them with the child restraint systems provided, and secure them accordingly.◄

WARNING

The protective effect of the seat belts can be restricted or they can be rendered ineffective if put on incorrectly. If a seat belt is not worn correctly, additional injuries can be caused, for example in the event of an accident or braking and evasive manoeuvres. Danger of injury or life. Make sure that all vehicle occupants have fastened their seat belts correctly.◄

WARNING

Seat belts are designed to bear upon the bony structure of the body and should be worn low across the front of the pelvis, or the pelvis, chest and shoulders, as applicable. Wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the seat belt strap by polishes, oils and chemicals and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The seat belt strap should be replaced if webbing becomes frayed, contaminated or damaged. Seat belts should not be worn with seat belt straps twisted. Each seat belt assembly must only be used by one occupant; it is illegal to carry an infant or a child on the occupant's lap.

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.◄

WARNING

No modifications or additions should be made by the user that will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.◄

WARNING

If the rear backrest is not locked, the protective effect of the middle seat belt is not ensured. Danger of injury or life. Lock the wider rear backrest when using the middle seat belt.◄

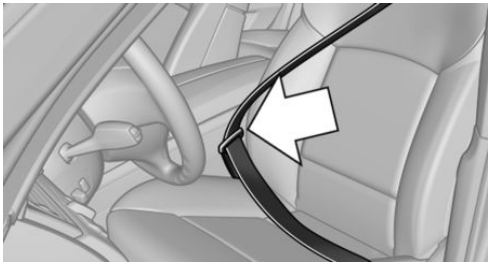
Correct seat belt use

- Place the seat belt tightly over the pelvis and shoulder as close as possible to the body and without twisting.
- Make sure that it is positioned low at the hip in the area of the pelvis. The seat belt must not press on the midriff.
- The seat belt must not pass across the neck. It should not be pulled or jammed across sharp edges or breakable objects.
- Avoid bulky clothing.
- Regularly pull the seat belt in the upper-body area taut.

Adjustment for automatic retracting seat belts

- Draw the buckle tongue attached to the seat belt across the body and press it into the buckle catch until a 'click' is heard.
- Adjustment of the belt length is very important. To adjust the lap belt and check whether the buckle has locked correctly, pull upwards on the shoulder strap until the lap belt fits tightly.
- The length of the diagonal shoulder strap adjusts itself automatically to allow freedom of movement.
- To release the seat belt, press the button on the buckle catch unit.

Fastening the seat belt



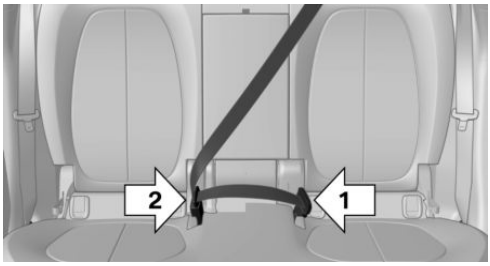
The seat belt buckle must be heard to engage.

Unfastening the seat belt

1. Hold onto the belt.
2. Press the red button on the belt buckle.
3. Guide the belt back up to the reel mechanism.

Middle belt in rear

Fastening the seat belt

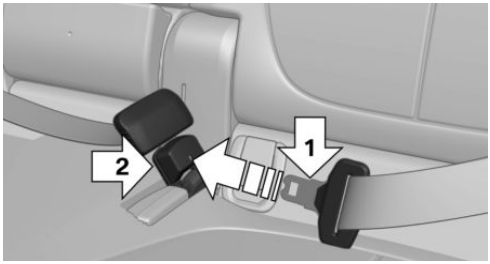


1. Pull seat belt latches out of bracket in roof.
2. Insert lower seat belt latch in belt lock, arrow 1.
3. Insert upper seat belt latch in belt lock, arrow 2.

   Belt locks must engage audibly.

Unfastening the seat belt

1. Hold onto the belt.
2. Press the red button on the belt buckle.
3. Use seat belt latch, arrow 1, to open second seat belt latch, arrow 2.



4. Guide belt to bracket in headlining.

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Seat belt reminder for driver's and front seat passenger seat

A Check Control message is displayed. Check whether the seat belt has been fastened correctly.

The seat belt reminder is activated when the seat belt on the driver's side is not fastened.

On some national versions, the seat belt reminder is also activated above approximately 10 km/h, 6 mph if the front passenger's seat belt is not fastened and if heavy objects are located on the seat.

Not for Australia/New Zealand: Seat belt reminder for rear seats

The indicator light in the instrument cluster is illuminated after the engine starts.

- Green: seat belt fastened on the corresponding rear seat.
- Red: seat belt not fastened on the corresponding rear seat.

The seat belt reminder will also be activated if a rear seat belt is unfastened during the journey.

Damaged seat belts

WARNING

The protective effect of the seat belts can be restricted or nullified in the following situations:

- Belts are damaged, contaminated or have been modified in another way.
- Belt buckle is damaged or heavily contaminated.
- Belt tensioners or belt retractors have been modified.

Seat belts can be damaged in an accident without the damage necessarily being apparent. Danger of injury or life. Do not modify seat belts, belt buckles, belt tensioners, belt retractors and belt anchor points; also, keep them clean. After an accident, have the seat belts inspected at a Service Partner or a qualified specialist workshop.◄

In the event of stress due to an accident or damage:

Replace the belt system, including the seat belt tensioner, and have the belt anchorage checked.

Front head restraints

Notes

WARNING

Head and neck injuries can result due to the lack of protective effect if head restraints are removed or have not been adjusted correctly. Danger of injury. Before the journey, install head restraints at the occupied seats and make sure that the middle of the head restraint supports the back of the head at eye level.◄

WARNING

Objects on the head restraint reduce the protective effect in the head and neck area. Danger of injury.

- Do not fit any covers on the seats or head restraints.
- Do not hang objects such as coat hangers directly on the head restraint.
- Only use accessories that have been classified as suitable by the vehicle manufacturer.
- Do not use any accessories, for example cushions, during the journey.◄

Correctly adjusted head restraint

General

Head restraints adjusted to the correct height reduce the risk of injuries to the neck in the event of an accident.

Height

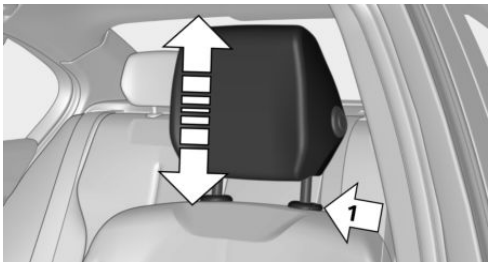
Adjust the head restraint so that its centre is approximately at the height of your ear.

Spacing

Adjust the spacing so that the head restraint is as close as possible to the back of the head.

If necessary, adjust the spacing using the incline of the seat backrest.

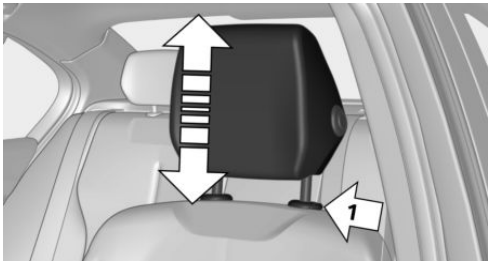
Adjusting height



- ▷ Up: push.
- ▷ Down: press the button, arrow 1, and slide the head restraint downwards.

Removing

Only remove the head restraint if no-one will be sitting on the seat in question.



1. Raise head restraint until resistance.
2. Press the button, arrow 1, and pull the head restraint fully out.

Rear head restraints

Notes

WARNING

Head and neck injuries can result due to the lack of protective effect if head restraints are removed or have not been adjusted correctly. Danger of injury. Before the journey, install head restraints at the occupied seats and make sure that the middle of the head restraint supports the back of the head at eye level.◄

WARNING

Objects on the head restraint reduce the protective effect in the head and neck area. Danger of injury.

- ▷ Do not fit any covers on the seats or head restraints.
- ▷ Do not hang objects such as coat hangers directly on the head restraint.
- ▷ Only use accessories that have been classified as suitable by the vehicle manufacturer.
- ▷ Do not use any accessories, for example cushions, during the journey.◄

Correctly adjusted head restraint

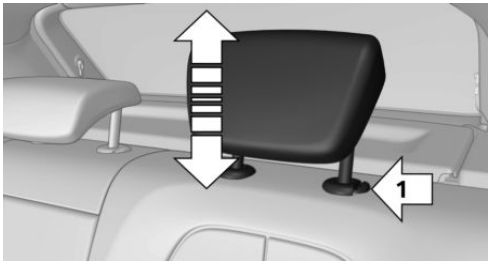
General

Head restraints adjusted to the correct height reduce the risk of injuries to the neck in the event of an accident.

Height

Adjust the head restraint so that its centre is approximately at the height of your ear.

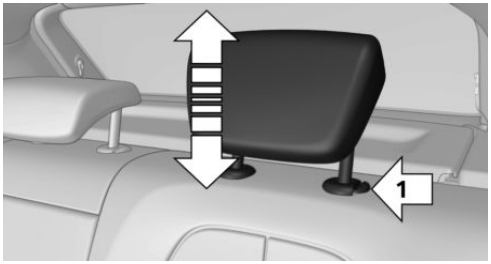
Adjusting height



- ▷ Up: push.
- ▷ Down: press the button, arrow 1, and slide the head restraint downwards.

Removing

Only remove the head restraint if no-one will be sitting on the seat in question.



1. Raise head restraint until resistance.
2. Press the button, arrow 1, and pull the head restraint fully out.

Seat and mirror memory

Notes

WARNING

Using the memory function during the journey can lead to unexpected seat movements. You could lose control of the vehicle. Danger of accidents. Only call up the memory function at a standstill◂

WARNING

Danger of trapping when moving the seats. Danger of injury or damage to property. Before making the setting, make sure that the movement area of the seat is clear.◂

Principle

Two different positions for driver's seat and exterior mirrors can be saved and recalled per profile. Settings for backrest width and lumbar support are not saved.

Overview

Saving

1. Switch on ignition.
2. Set desired position.
3. Press SET button briefly. LED in button is illuminated.
4. Press the desired button 1 or 2 while the LED is lit. LED turns off.

If SET button was pressed inadvertently:

SET Press the button again.
LED turns off.

Recalling

General

There are two possibilities of calling up the memory function:

- ▷ Comfort function, see page 59.
- ▷ Safety function, see page 59.

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Convenience function

1. Open the driver's door.
2. Switch ignition off if necessary.
3. Briefly press button 1 or 2 as desired.

The relevant seat adjustment is done automatically.

The process is cancelled if a seat adjustment switch or one of the buttons is pressed.

Safety function

1. Close the driver's door or switch the ignition on.
2. Keep button 1 or 2 pressed as desired until the adjustment procedure has been concluded.

Calling up has been disabled

After a short time, calling up saved seat positions is disabled to prevent the battery from being discharged.

To reactivate calling up:

- ▷ Open or close a door or the tailgate.
- ▷ Press a button on the remote control.
- ▷ Press the start/stop button.

Mirrors

Exterior mirrors

General

Depending on the equipment, the mirror setting is saved for the profile currently in use. When the vehicle is unlocked using the remote control, this position is called up automatically if the setting for this has been enabled.

Note

WARNING

Objects reflected in the mirrors are closer than they appear. The distance to road users behind the vehicle could be incorrectly estimated, for example when changing lane. Danger of accidents. Look over your shoulder to estimate the distance from following traffic.◀

Overview

1 Adjusting 59

2 Left/right, automatic parking function

3 Folding in and out 60

Selecting a mirror

Switching to other mirror:

Push switch.

Electrical adjustment

Corresponding to movement of button

Saving positions

Seat and mirror position memory, see page 58.

Adjusting manually

In the event of an electrical defect, for example, press the borders of the mirror glass.

Automatic parking function

Principle

When reverse gear is engaged, mirror glass on front passenger side is titled downwards. This improves the view of the kerb or other obsta-

cles near the ground, for example when parking.

Activating

1.  Push switch to driver's mirror position.
2. Engage selector lever position R.

Deactivating

Push switch to front passenger's mirror position.

Folding in and out

ATTENTION

Due to the vehicle's width, it could sustain damage in car washes. Danger of damage to property. Fold in the mirrors manually or using the button prior to washing.◄

 Press the button.

Possible up to approximately 20 km/h, approximately 15 mph.

Advantageous in the following situations:

- In car washes.
- In narrow streets.
- When folding mirrors back out that have been folded in manually.

Folded-in mirrors automatically fold out at approximately 40 km/h, approximately 25 mph.

Automatic heating

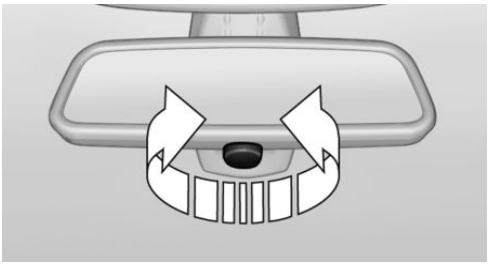
Both exterior mirrors are automatically heated with the engine running.

Automatically dimming

Both exterior mirrors are automatically dimmed. Photocells in the rear-view mirror, see page 60, are used for control.

Rear-view mirror, manual-dim

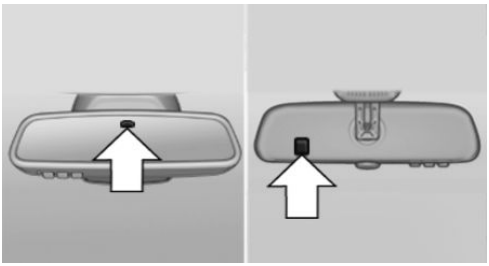
Turn button



To reduce glare by turning the button on the rear-view mirror.

Rear-view mirror, automatic-dim

Principle



The function is controlled by photocells:

- In the mirror glass
- On the back of the mirror.

Operating requirements

To keep the system functioning properly:

- Keep photocells clean.
- Do not obstruct the zone between the rear-view mirror and windscreen.

Steering wheel

Note

WARNING

Steering wheel adjustment during the journey can lead to unexpected steering wheel movements. You could lose control of the vehicle. Danger of accidents. Only adjust the steering wheel when the vehicle is at a standstill.◄

Electric steering wheel lock

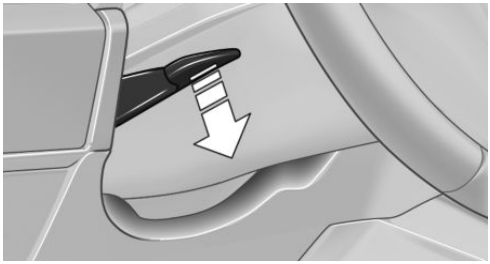
With manual gearbox: The steering wheel locks automatically when the driver's door is opened.

Switch on ignition to unlock.

WARNING

If steering wheel lock is activated, the vehicle cannot be steered. Danger of accidents. Switch on the ignition prior to moving the vehicle.◄

Adjusting



1. Switch on ignition.
2. Fold the lever downwards.
3. Move the steering wheel to the preferred height and angle to suit your seated position.
4. Swing the lever back up.
5. Switch off the ignition again if necessary.

Steering wheel heating

Press the button.

- On: LED is illuminated.
- Off: LED turns off.

Carrying children in safety

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Important considerations

Note

WARNING

Unsupervised children or animals in the vehicle can set the vehicle in motion and endanger themselves or other road users, for example by the following actions:

- Pressing the start/stop button.
- Releasing the parking brake.
- Opening and closing doors or windows.
- Setting the selector lever to neutral.
- Operating vehicle equipment.

Risk of accident or injury. Do not leave children or animals unsupervised in the vehicle. When leaving the vehicle, take the remote control with you and lock it.◄

Not for Australia/New Zealand: Suitable seats

Information about which child seats can be used on the seats in question, if the child seats are attached with a seat belt — according to ECE-R 16 standard:

Group	Weight of child	Approximate age	Front passenger's seat	Rear seats, outer – b)	Rear seat, middle
0	Up to 10 kg	Up to 9 months	U	U	X
0+	Up to 13 kg	Up to 18 months	U	U	X
I	9 – 18 kg	Up to 4 years	U	U	X
II	15 – 25 kg	Up to 7 years	U	U	X

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Group	Weight of child	Approximate age	Front passenger's seat	Rear seats, outer – b)	Rear seat, middle
III	22 – 36 kg	7 years or more	U	U	X

U: suitable for child restraint systems in Universal category that have been approved for use in this weight group.

X: not suitable for child restraint systems in Universal category that have been approved for use in this weight group.

b) When using child seats on the rear seats, adapt the front/back position of the front seat if necessary, and also adjust the head restraint of the rear seat, or remove it.

Always carry children at the rear

WARNING

Persons less than 150 cm, 5 ft in height cannot put on the seat belt correctly without using additional restraint systems. The protective effect of the seat belts can be restricted or they can be rendered ineffective if put on incorrectly. If a seat belt is not worn correctly, additional injuries can be caused, for example in the event of an accident or braking and evasive manoeuvres. Danger of injury or life. Persons less then 150 cm, 5 ft must be secured in suitable restraint systems.◀

Accident research has shown that the safest place for children is on the rear seat.

Children younger than 12 years old or less than 150 cm, 5 ft in height are only allowed to be transported in the rear using child restraint systems appropriate for their age, weight and stature.

Not for Australia/New Zealand: Children on the front passenger's seat

When using a child restraint system on the front passenger seat, make sure that the front and side airbags on the passenger's side are deactivated. Front passenger airbags can only be deactivated with the key switch for front passenger airbags, see page 110.

Note

WARNING

Active front passenger airbags can injure a child in a child restraint system if they are triggered. Danger of injury. Make sure that the front passenger airbags are deactivated and the PASSENGER AIRBAG OFF indicator light is illuminated.◀

WARNING

If the seat adjustment or child seat installation is incorrect, the stability of the child restraint system will be restricted or rendered ineffective. Danger of injury or life. Make sure the child restraint system is firmly positioned against the backrest. In all relevant backrests, adapt the backrest angle if possible and set the seats correctly. Make sure that the seats and their backrests are correctly engaged. If possible, adjust the height of the head restraints, or remove them.◀

Fitting child restraints

Child restraints

Child restraints for every age and weight class are available from a Service Partner or a qualified specialist workshop.

Before installation

Make sure backrests are engaged before fitting child restraints.

Move rear seats to rearmost position to make it easier to fit child restraint.

Notes

When selecting, installing and using child restraint systems, comply with the information provided by the manufacturer of the child restraint system.

WARNING

If child restraint systems and their attachment systems have been damaged or subjected to stresses in an accident, their protective function may be restricted or rendered ineffective. A child might not be adequately restrained, for example, in the event of an accident or braking and evasive manoeuvres. Danger of injury or life. If child restraint systems and their attachment systems have been damaged or subjected to stresses in an accident, have them checked by the Service Partner or a qualified specialist workshop and renewed if necessary.◀

WARNING

If the seat adjustment or child seat installation is incorrect, the stability of the child restraint system will be restricted or rendered ineffective. Danger of injury or life. Make sure the child restraint system is firmly positioned against the backrest. In all relevant backrests, adapt the backrest angle if possible and set the seats correctly. Make sure that the seats and their backrests are correctly engaged. If possible, adjust the height of the head restraints, or remove them.◀

For Australia/New Zealand: installation of child restraints

Please note the following warning because your vehicle has been equipped with a front airbag for the front passenger's seat that cannot be deactivated:

It is recommended not to use any kind of child restraint system on the front passenger's seat.

Extreme hazard

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it.◀

Not for Australia/New Zealand: On the front passenger's seat

Deactivating airbags

WARNING

Active front passenger airbags can injure a child in a child restraint system if they are triggered. Danger of injury. Make sure that the front passenger airbags are deactivated and the PASSENGER AIRBAG OFF indicator light is illuminated.◀

Before fitting a child restraint in the front passenger's seat, make sure that the front and side airbags on the passenger's side are disabled.

Deactivating the front passenger airbags with key switch, see page 110.

Rear-facing child restraints

DANGER

Active front passenger airbags can fatally injure a child in a rearward-facing child restraint system if they are triggered. Danger of injury or life. Make sure that the front passenger airbags are deactivated and the PASSENGER AIRBAG OFF indicator light is illuminated.◀

Follow the information on the front passenger sun visor.

Seat position and height

Before mounting a universal child restraint system, move the front passenger's seat as far to the rear and as far up as possible to achieve the best possible routing of the belt and protection in the event of an accident.

If the upper attachment point of the seat belt is located ahead of the child seat's belt guide, carefully move the front passenger's seat forwards until the best possible belt guidance is achieve.

Backrest width

With adjustable backrest width: before fitting a child restraint system in the front passenger's seat, fully open the backrest width. Do not change the backrest width from this point on and do not call up a memory position.

ISOFIX child seat mountings

Note

Note for Australia: ISOFIX child seats are not permitted for road use in Australia at the time of printing of this handbook. However, also since a change of the respective regulations is expected in the future, lower ISOFIX anchorages are supplied in line with applicable ADRs also for Australia.

Comply with the operating and safety instructions from the manufacturer of the child restraint system when attaching and using ISOFIX child restraint systems.

Suitable ISOFIX child restraints

Group	Weight of child	Approximate age	Class/category	Front passenger's seat – b)	Rear seats, outer	Rear seat, middle
Carrycot			F - ISO/L1 a)	X	IL	X
			G - ISO/L2 a)	X	IL	X
0	Up to 10 kg	Up to 9 months	E - ISO/R1	IL	IL	X
0+	Up to 13 kg	Up to 18 months	E - ISO/R1	IL	IL	X
			D - ISO/R2	IL	IL	X
			C - ISO/R3	IL	IL	X

Group	Weight of child	Approximate age	Class/category	Front passenger's seat – b)	Rear seats, outer	Rear seat, middle
I	9 - 18 kg	Up to 4 years	D - ISO/R2	IL	IL	X
			C - ISO/R3	IL	IL	X
			D - ISO/R2, a)	IL, IUF	IL, IUF	X
			C - ISO/R3, a)	IL, IUF	IL, IUF	X
			B - ISO/F2	IL, IUF	IL, IUF	X
			B1 - ISO/F2X	IL, IUF	IL, IUF	X
			A - ISO/F3	IL, IUF	IL, IUF	X

IL: the seat is suitable for installation of an ISOFIX child seat in the Semi-Universal category subject to compliance with the list of vehicles accompanying the child seat.

IUF: the seat is suitable for installation of an ISOFIX child seat with Universal approval and attachment with the TOP TETHER strap.

X: the seat is not approved or equipped with mounting points for the ISOFIX system.

a) When using child seats on the rear seats, adapt the front/back position of the front seat if necessary, and also adjust the head restraint of the rear seat, or remove it.

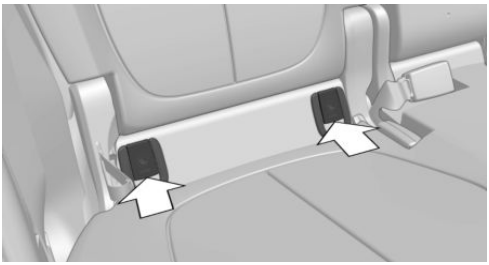
b) Only if equipped with ISOFIX child seat mountings.

Brackets for lower ISOFIX anchors

Information

WARNING

If the ISOFIX child restraint systems are not engaged correctly, the protective effect of the ISOFIX child restraint systems may be restricted. Danger of injury or life. Make sure the lower anchor point has engaged correctly and the ISOFIX child restraint system is firmly positioned against the backrest.◄

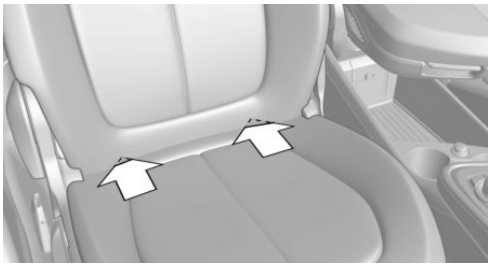


The brackets for the lower ISOFIX anchors are located behind the marked covers.

Position

The corresponding symbol shows the brackets for the lower ISOFIX anchor points.

Not for Australia/New Zealand: front passenger seat



The brackets for the lower ISOFIX anchors are located in the gap between the seat and backrest.

Before fitting ISOFIX child restraints

Pull the belt out of the area of the child seat mountings.

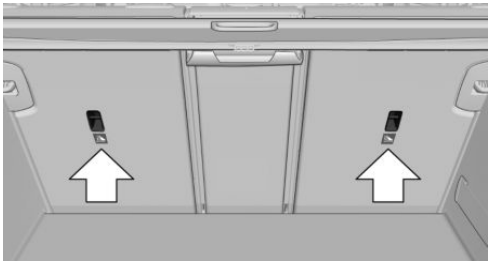
Fitting of ISOFIX child restraint systems

1. Install the child restraint system, see manufacturer's information.
2. Make sure that both ISOFIX anchors have snapped into place.

Upper ISOFIX retaining strap

Mounting points

The symbol shows the mounting point for the upper retaining strap.



There are two mounting points for the upper retaining strap of ISOFIX child restraints.

Note

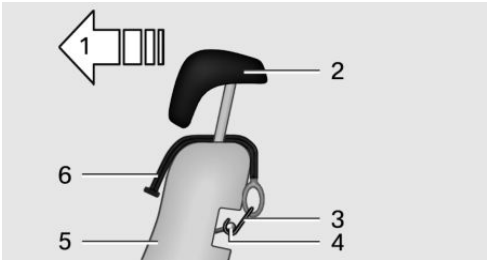
ATTENTION

The mounting points for the upper retaining straps of child restraint systems are only intended for these retaining straps. The mounting points can be damaged if other objects are attached. Danger of damage to property. Only attach child restraint systems to the upper retaining straps.◀

Guiding the retaining strap

WARNING

If the upper retaining strap is used incorrectly with the child restraint system, the protective effect may be reduced. Danger of injury. Make sure that the upper retaining strap is not routed to the upper attachment strap over sharp edges, and that it is not twisted.◀

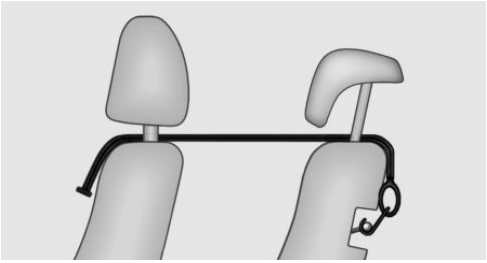


1 Direction of travel
2 Head restraint
3 Hook for the upper retaining strap
4 Mounting point
5 Seat backrest
6 Upper retaining strap

Attaching the upper retaining strap to the mounting point

1. Raise head restraint if necessary.
2. On the rear seat: Guide the upper seat belt on the brackets of the head restraint.
3. Guide the holding belt between the backrest and luggage cover.

4. Engage the hook of the retaining strap in the mounting point.
5. Pull the restraining strap firmly down.
6. Push head restraint down if necessary and engage.



Not for Australia/New Zealand -

Front passenger seat: guide the upper retaining strap between the brackets of the head restraints of the front passenger seat and rear seat on the front passenger side.

WARNING

In the event of an accident, persons sitting in the rear can come in contact with the tensioned retaining strap of the child restraint system on the front passenger seat. Danger of injury or life. Do not transport persons on the rear seat behind the front passenger seat if a child restraint system is mounted.◀

WARNING

If the rear backrest is not locked, the protective effect of the child restraint system is limited or non-existing. The rear backrest can fold forward in certain situations, e.g. braking manoeuvre or accident. Danger of injury or life. Make sure that the rear backrests are locked.◀

i-Size child restraint systems

General

i-Size is a regulation for child restraint systems, according to which the child restraint systems can be authorised.

If this symbol appears in the vehicle, the vehicle has been authorised according to i-Size. The symbol shows the mountings for the load anchors of the system.

The symbol shows the mounting point for the upper retaining strap.

Suitable i-Size seats

Information about the ability to use child seats on the particular seats, if the child seats are suitable for i-Size or correspond to i–Seats — according to standard ECE-R 129:

Group	Front passenger's seat	Rear seats, outer 2nd seat row	Rear seat, middle 2nd seat row	Rear seats 3rd seat row
i-Size	X	i-U, i-UF	X	X
i-UF: suitable for forward-facing i-Size child restraint systems.				
i-U: suitable for rearward and forward-facing i-Size child restraint systems.				
X: not suitable for i-Size child restraint systems.				

For Australia/New Zealand: Child restraints

Information

In accordance with ADR 34/01, provisions have been made to allow installation of a child restraint at each rear seating position.

The anchoring hooks which belong to the upper restraining strap of the child restraint - AS 1754, can be applied immediately to the relevant mounting.

Please refer strictly to the installation instructions supplied with the child restraint system.

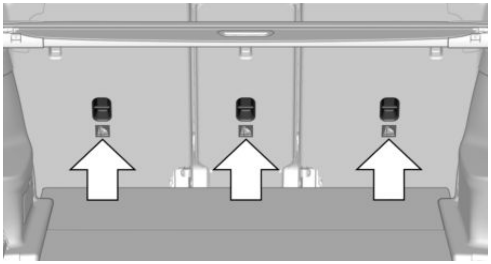
Each seating position is fitted with a head rest.

WARNING

Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle. After using the child restraints, the anchor fittings may need to be folded down.◂

Mounting points

The symbol shows the mounting point for the upper retaining strap.

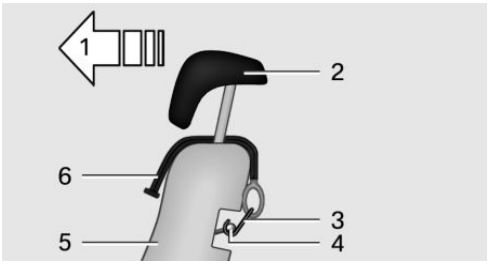


There are three mounting points for child restraint systems with an upper retaining strap.

Guiding the retaining strap

WARNING

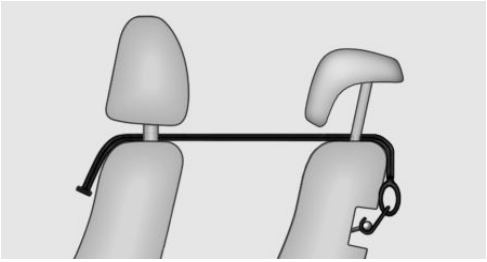
If the upper retaining strap is used incorrectly with the child restraint system, the protective effect may be reduced. Danger of injury. Make sure that the upper retaining strap is not routed to the upper attachment strap over sharp edges, and that it is not twisted.◂



1 Direction of travel
2 Head restraint
3 Hook for the upper retaining strap
4 Mounting point
5 Seat backrest
6 Upper retaining strap

Attaching the upper retaining strap to the mounting point

1. Raise head restraint if necessary.
2. On the rear seat: Guide the upper seat belt on the brackets of the head restraint.
3. Guide the holding belt between the backrest and luggage cover.
4. Engage the hook of the retaining strap in the mounting point.
5. Pull the restraining strap firmly down.
6. Push head restraint down if necessary and engage.



Not for Australia/New Zealand -

Front passenger seat: guide the upper retaining strap between the brackets of the head restraints of the front passenger seat and rear seat on the front passenger side.

WARNING

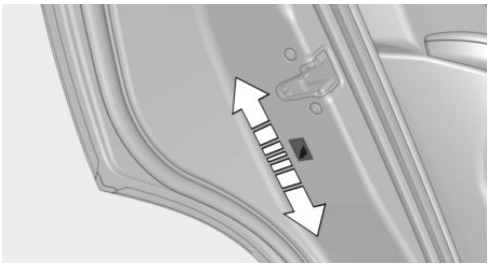
In the event of an accident, persons sitting in the rear can come in contact with the tensioned retaining strap of the child restraint system on the front passenger seat. Danger of injury or life. Do not transport persons on the rear seat behind the front passenger seat if a child restraint system is mounted.◀

WARNING

If the rear backrest is not locked, the protective effect of the child restraint system is limited or non-existing. The rear backrest can fold forward in certain situations, e.g. braking manoeuvre or accident. Danger of injury or life. Make sure that the rear backrests are locked.◀

Securing doors and windows in the rear

Rear doors



Push up the locking levers on the rear doors.

The door in question can now only be opened from the outside.

Safety switch for the rear

Press the button on the driver's door if children are travelling in the rear.

Various functions are blocked and cannot be operated in the rear, safety switch, see page 47.

Driving

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Start/stop button

Principle

The ignition is switched on or off and the engine is started by pressing the start/stop button.

Steptronic transmission: The engine starts if the brakes are applied when the start-stop button is pressed.

Manual gearbox: The engine starts if the clutch pedal is pressed when pressing the start/stop button.

Ignition on

Steptronic transmission: Press the start/stop button without applying the brakes.

Manual gearbox: Press the start/stop button, do not press the clutch pedal.

All systems are operational.

Most of the indicator and warning lamps in the instrument cluster are illuminated for different lengths of time.

To save battery power when the engine is off, switch off the ignition and any unnecessary electronic systems.

Ignition off

Steptronic transmission: Press the start/stop button again without applying the brakes.

Manual gearbox: Press the start/stop button again, do not press the clutch pedal.

All indicator lights in the instrument cluster extinguish.

To save battery power when the engine is off, switch off the ignition and any unnecessary electronic systems.

Notes

With the vehicle stationary and the engine shut down, the ignition is switched off automatically under the following circumstances:

- When locking, even with the low-beam headlights switched on.
- Shortly before the battery is discharged so that an engine start remains possible.
- When opening or closing the driver's door, if the driver's belt is unfastened and the low-beam headlights are switched off.
- When the driver's belt is unfastened, if the driver's door is opened and the low-beam headlights switched off.

After about 15 minutes without further operation, low-beam headlights are changed over to side lights.

Radio ready state

Activate radio ready state: when the engine is running, press the start/stop button.

Individual electrical systems remain operational.

The radio ready sate is automatically switched off in the following situations:

- After approximately eight minutes.
- When locking via the central locking system.

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- Shortly before the battery is discharged so that an engine start remains possible.

Radio readiness remains active when ignition is switched off automatically, such as for following reasons:

- Opening or closing driver's door.
- Unfastening driver's seat belt.
- When low-beam headlights are automatically changed to side lights.

If engine is switched off and ignition is switched on, radio ready state will be automatically activated when door is opened if light is switched off or daytime driving lights are switched on, when corresponding equipment is fitted.

Engine start

Notes

DANGER

A blocked exhaust pipe or inadequate ventilation can allow harmful exhaust fumes to penetrate the vehicle. The exhaust gas contains carbon monoxide, which is colourless and odourless, but highly toxic. In enclosed spaces, the exhaust fumes can also build up outside the vehicle. Danger of fatal injury. Keep the exhaust pipe clear and ensure sufficient ventilation.◄

WARNING

An unsecured vehicle can start moving and rolling away. Danger of accidents. Before leaving the vehicle, secure it to prevent rolling away.

Observe the following to ensure that the vehicle is secured against rolling away:

- Engage the parking brake.
- Turn the front wheels into the direction of the kerb on upward or downward gradients.
- Additionally secure the vehicle on upward or downward gradients, e.g. using a wedge.◄

ATTENTION

Repeated start attempts or starting several times in quick succession means that fuel is not combusted, or insufficiently so. The catalytic converter can overheat. Danger of damage to property. Avoid starting more than once in quick succession.◄

Diesel engine

With the engine cold and at temperatures below approximately 0 °C, 32 °F, the starting operation can be delayed slightly due to automatic preheating.

A Check Control message is displayed.

Steptronic transmission

Starting the engine

1. Press the brake.
2. Press the start/stop button.

Starting proceeds for a certain time automatically and stops as soon as the engine is started.

Manual gearbox

Starting the engine

1. Press the brake.
2. Depress the clutch and engage idle position.
3. Press the start/stop button.

Starting proceeds for a certain time automatically and stops as soon as the engine is started.

Stopping the engine

Notes

WARNING

Unsupervised children or animals in the vehicle can set the vehicle in motion and endanger themselves or other road users, for example by the following actions:

- Pressing the start/stop button.
- Releasing the parking brake.
- Opening and closing doors or windows.
- Setting the selector lever to neutral.
- Operating vehicle equipment.

Risk of accident or injury. Do not leave children or animals unsupervised in the vehicle. When leaving the vehicle, take the remote control with you and lock it.◀

WARNING

An unsecured vehicle can start moving and rolling away. Danger of accidents. Before leaving the vehicle, secure it to prevent rolling away.

Observe the following to ensure that the vehicle is secured against rolling away:

- Engage the parking brake.
- Turn the front wheels into the direction of the kerb on upward or downward gradients.
- Additionally secure the vehicle on upward or downward gradients, e.g. using a wedge.◀

Before entering the car wash

So that the vehicle can roll into the vehicle wash, follow the information on washing in automatic vehicle washes, see page 236.

Steptronic transmission

Stopping the engine

1. With vehicle at a standstill, engage selector lever position P.
2. Press the start/stop button.

   The engine is switched off.

   The radio ready state is switched on.
3. Apply the parking brake.

Manual gearbox

Stopping the engine

1. Press the Start/Stop button when the vehicle is at standstill.
2. Engage first gear or reverse.
3. Apply the parking brake.

Auto Start Stop function

Principle

The Auto Start Stop function helps you to save fuel. by stopping the engine when stationary, for example, in a traffic jam or at traffic lights. The ignition remains switched on. For driving off, the engine starts automatically.

Automatic operation

After each time the engine is started using the start/stop button, the Auto Start Stop function is ready to operate.

The function is activated from 5 km/h, 3 mph3 mph, km/h.

Stopping the engine

The engine is automatically shut down when stationary under the following conditions:

Steptronic transmission:

- Selector lever in selector lever position D.
- Brake pedal remains depressed while the vehicle is at a standstill.

- Driver's seat belt buckled or driver's door closed.

To be able to release the brake pedal when the vehicle is stationary, engage the selector lever in the P position. The engine remains switched off.

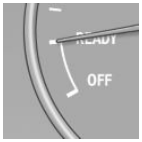
Press the brake pedal to continue driving. The engine starts automatically when a gear is engaged.

Manual gearbox:

- Transmission in neutral and clutch pedal not pressed.
- Driver's seat belt buckled or driver's door closed.

The air flow rate of the air conditioning system is reduced when the engine is not running.

Displays in the instrument cluster



The display READY in the revolution counter indicates that the Auto Start Stop function is ready for automatic engine starting.

The display indicates that the preconditions for an automatic engine stop are not met.

Restrictions of the function

The engine is not shut down automatically in the following situations:

- Outside temperature too low.
- High outside temperature and operation of the automatic air conditioning.
- Interior not heated or cooled to the desired temperature.
- Engine is not yet at operating temperature.
- Sharp steering angle or steering operation.
- After reversing.
- Condensation when the automatic air conditioning is switched on.
- Vehicle battery is heavily discharged.
- At high altitudes.
- Bonnet is unlocked.
- Parking assistant is activated.
- Stop-and-go traffic.
- Selector lever position in N, M/S or R.
- Use of fuel with high ethanol content.

Engine start

For driving off, the engine automatically starts under the following conditions:

- Steptronic transmission:

  By releasing the brake pedal.
- Manual gearbox:

  Clutch pedal is depressed.

After starting the engine, accelerate as normal.

Safety function

After an automatic shut down, the engine will not restart automatically if one of the following conditions is satisfied:

- Driver's seat belt unbuckled and driver's door open.
- Bonnet has been unlocked.

Several indicator lights illuminate for various lengths of time.

The engine can only be started using the start/stop button.

Restrictions of the function

Even if you do not want to drive off, the engine restarts automatically in the following situations:

- Very high temperature inside the passenger compartment, if the cooling function is on.
- The driver applies lock to the steering wheel.

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- Steptronic transmission: shift from selector lever position D to N, R or M/S.
- Steptronic transmission: shift from selector lever position P to N, D, R or M/S.
- Vehicle starts to roll.
- Condensation when the automatic air conditioning is switched on.
- Vehicle battery is very low.
- Very low temperature inside the passenger compartment, if the heating is on.
- Low brake vacuum, for example because the brake pedal has been depressed a number of times in succession.

Manually deactivating/activating the system

Using the button

Press the button.

- LED illuminates: Auto Start Stop function is deactivated.

  During an automatic engine stop, the engine is started.

  The engine can be started or stopped only by means of the start/stop button.
- LED goes out: Auto Start Stop function is activated.

Parking the vehicle during automatic engine stop

With automatic engine stop, the vehicle can be parked safely, for example in order to leave it.

1. Steptronic transmission: engine selector lever position P.
2. Press the start/stop button. The ignition is switched off. The Auto Start Stop function is deactivated.
3. Manual gearbox: engage first gear or reverse.
4. Apply the parking brake.

Start engine as usual, using the start/stop button.

Automatic deactivation

In certain situations the Auto Start Stop function is deactivated automatically for safety's sake, for example if the absence of the driver is detected.

Malfunction

The Auto Start Stop function no longer shuts down the engine automatically. A Check Control message is displayed. It is possible to keep driving. Have the system checked.

Parking brake

Principle

The parking brake is used to prevent the vehicle from rolling when it is parked.

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Overview

Parking brake

Engaging

WARNING

An unsecured vehicle can start moving and rolling away. Danger of accidents. Before leaving the vehicle, secure it to prevent rolling away.

Observe the following to ensure that the vehicle is secured against rolling away:

- Engage the parking brake.
- Turn the front wheels into the direction of the kerb on upward or downward gradients.
- Additionally secure the vehicle on upward or downward gradients, e.g. using a wedge.◄

WARNING

Unsupervised children or animals in the vehicle can set the vehicle in motion and endanger themselves or other road users, for example by the following actions:

- Pressing the start/stop button.
- Releasing the parking brake.
- Opening and closing doors or windows.
- Setting the selector lever to neutral.
- Operating vehicle equipment.

Risk of accident or injury. Do not leave children or animals unsupervised in the vehicle. When leaving the vehicle, take the remote control with you and lock it.◄

Pull switch.

LED is illuminated.

PARK The indicator light illuminates red. The parking brake is engaged.

Depending on the parking situation, the parking brake is automatically engaged.

Steptronic transmission: in some parking situations, engaging selector lever position P automatically applies the parking brake. In these cases, the parking brake is automatically disengaged when exiting from selector lever position P.

During the journey

Use during the journey serves as an emergency brake:

Pull and hold the switch. Vehicle brakes strongly for as long as the switch is pulled.

PARK The indicator light illuminates red, a signal sounds and the brake lights illuminate.

A Check Control message is shown.

If the vehicle is braked to approximately 3 km/h, 2 mph, the parking brake is engaged.

Releasing

With the ignition switched on:

Manual transmission: press button with the brake depressed.

Steptronic transmission: Press the switch with the brake pressed or selector lever position P engaged.

LED and indicator light turn off.

Parking brake is released.

Automatic release with Steptronic transmission

Operate the accelerator pedal to automatically release.

LED and indicator light turn off.

Under the following conditions, the parking brake is automatically released by operating the accelerator pedal.

- Engine on.
- Drive position engaged.
- Driver belted in and door closed.

Automatic release with manual gearbox

Start as usual. The parking brake is released when the clutch pedal is released.

LED and indicator light turn off.

Under the following preconditions, the parking brake is triggered automatically:

- Engine on.
- Gear engaged.
- Driver belted in and door closed.
- Engine force is sufficient to start off.

Malfunction

If the parking brake fails or malfunctions, secure the vehicle against rolling away, for example with a chock, if you leave the vehicle.

After a power failure

Initial operation

1. Switch on ignition.
2.  Press the switch with the brake depressed or selector lever position P engaged.

It can take a few seconds to put the brake into operation. Any sounds that occur are normal.

The indicator light in the instrument cluster extinguishes when the parking brake is operational again.

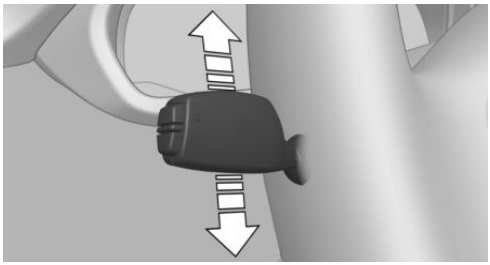
Turn indicators, high-beam headlights, headlight flasher

Turn indicator

Turn indicator in exterior mirror

Do not fold in the exterior mirrors while driving or while operating the turn indicators or hazard warning lights to ensure that the turn indicators in the exterior mirrors are well recognisable.

Indicating



Press the lever beyond the resistance point.

The turn indicator lever returns to its initial position after activation.

To cancel the signal manually, press the lever softly as far as the resistance point.

Triple turn signal

Touch the lever softly.

The turn indicator flashes three times.

This function can be enabled or disabled.

On the Control Display:

1. "Settings"
2. "Lights"
3. "1-touch triple turn signal"

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The setting is saved for the currently used profile.

Indicating a turn briefly

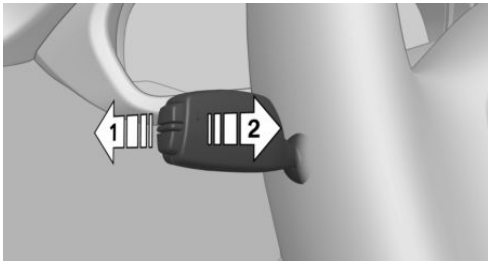
Press the lever as far as the resistance point and hold it there for as long as you wish to indicate a turn.

Malfunction

If the indicator light flashes more rapidly than usual, a turn signal light has failed.

During trailer towing, the light might also indicate failure of one of the turn signal lights of the trailer.

High-beam headlights, headlight flasher



- ▷ High-beam headlights, arrow 1.
- ▷ High-beam headlights off/headlight flasher, arrow 2.

Wiper system

Switching the wipers on/off and flick-wiping

General

Do not use wipers with a dry windscreen, otherwise the wiper blades will wear or become damaged more quickly.

Notes

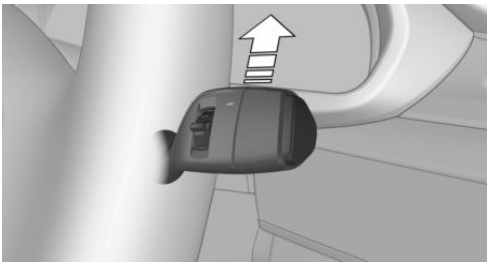
ATTENTION

If the wipers have frozen on, switching on can cause the wiper blades to tear and the wiper motor to overheat. Danger of damage to property. Defrost the windscreen before switching on the wipers.◄

WARNING

If the wipers start moving when they are folded away from the windscreen, this can damage parts of the vehicle, or trap body parts. Danger of injury or damage to property. Make sure that the vehicle is switched off when the wipers are folded away from the windscreen, and that the wipers are in contact with the windscreen when switching on.◄

Switching on



The lever returns to the basic position when released.

- ▷ Normal wiping speed: press upwards once.

  When the vehicle is at a standstill, the wipers switch to intermittent operation.
- ▷ Rapid wiping speed: press upwards twice or press once beyond the resistance point.

  When the vehicle is at a standstill, the wipers switch to normal speed.

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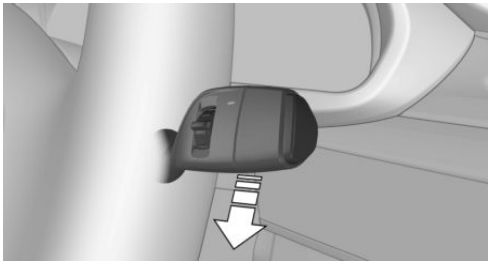
Switching off and flick-wiping



The lever returns to the basic position when released.

- ▷ Flick-wiping: press downwards once.
- ▷ Switching off normal wiping speed: press downwards once.
- ▷ Switching off fast wiping speed: press downwards twice.

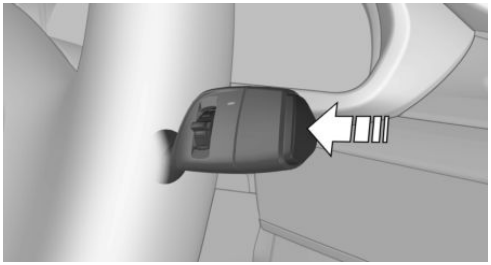
Intermittent mode or rain sensor

Principle

Without rain sensor, the interval for the wiper operation is specified.

The rain sensor automatically controls the wiper operation depending on the rain intensity. The sensor is mounted on the windscreen, directly in front of the rear-view mirror.

Activating/deactivating



Press the button on the wiper lever.

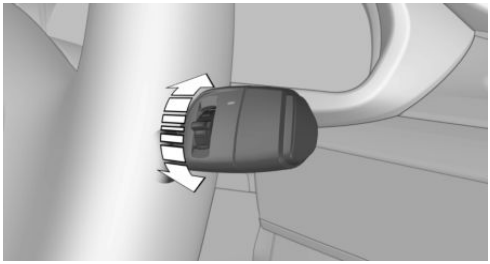
Wiping is started. If a rain sensor is fitted: LED in wiper lever illuminates.

If there is frost, no wiping process is started.

ATTENTION

In car washes, the wipers may inadvertently start moving if the rain sensor is activated. Danger of damage to property. Deactivate the rain sensor in car washes.◄

Setting the interval time or sensitivity of the rain sensor

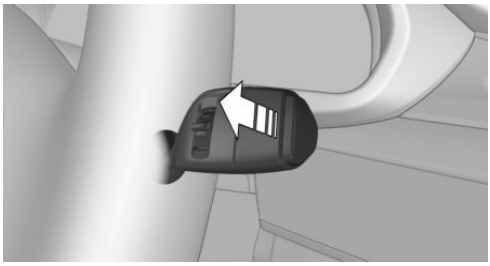


Turn the knurled wheel to set the interval time or sensitivity of the rain sensor.

Up: short interval or high sensitivity of the rain sensor.

Down: long interval or low sensitivity of the rain sensor.

Cleaning the window glass



Pull the wiper lever.

Fluid from the washer fluid reservoir is sprayed onto the windscreen and the wipers are operated briefly.

WARNING

At low temperatures, the washer fluid can freeze onto the windscreen and restrict visibility. Danger of accidents. Only use the

washer systems if there is no possibility of the washer fluid freezing. Use anti-freeze if required.◄

ATTENTION

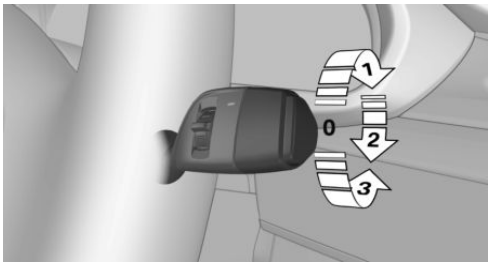
If the washer fluid reservoir is empty, the washer pump cannot operate as intended. Danger of damage to property. Do not use the washer system with the washer fluid reservoir empty.◄

Windscreen washer jets

Windscreen washer jets are automatically heated when the ignition is switched on.

Rear window wiper

Switching on rear window wiper



Turn up switch from rest 0, arrow 1: intermittent mode. Engaging reverse gear activates continuous operation.

Cleaning rear window

In intermittent mode: turn the switch further, arrow 2. The switch returns to the intermittent position when released.

At rest: turn switch down, arrow 3. The switch returns to the rest position when released.

Fold-out position of the wipers

This is important, for example for replacing the wiper blades or folding them out in the event of frost.

WARNING

If the wipers start moving when they are folded away from the windscreen, this can damage parts of the vehicle, or trap body parts. Danger of injury or damage to property. Make sure that the vehicle is switched off when the wipers are folded away from the windscreen, and that the wipers are in contact with the windscreen when switching on.◄

1. Switch ignition on and back off again.
2. If there is a risk of frost, make sure that the wiper blades are not frozen.
3. Press the wiper lever upwards beyond the resistance point and hold it there for approximately three seconds until the wipers come to a standstill in a nearly vertical position.

After folding the wipers in, the wiper system must be reactivated.

1. Switch on ignition.
2. Press the wiper lever downwards. The wipers move to the rest position and are operational once again.

Washer fluid

Information

WARNING

Some anti-freezes can contain toxic substances, and are flammable. Risk of fire and fatal injury. Comply with the notes on the containers. Keep anti-freezes away from sources of combustion. Do not pour service products into other bottles. Keep service products out of the reach of children.◄

WARNING

Work performed incorrectly under the bonnet can damage components and lead to a safety risk. Danger of accident or damage to property. Have work under the bonnet carried

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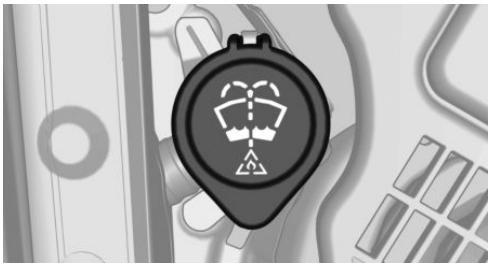
out by a Service Partner or a qualified specialist workshop.◄

Reservoir for washer fluid



All washer jets are supplied from one tank in the engine compartment.

When filling with a mixture of screenwash concentrate and tap water, to which anti-freeze has been added if required, always follow the manufacturer's instructions.

Before topping up, mix the washer fluid to comply with the mixture ratio.

Do not top up with undiluted screenwash concentrate and anti-freeze and do not top up with pure water; that may damage the washer system.

Do not mix any screenwash concentrates of different manufacturers, as this may otherwise block the washer nozzles.

Recommended minimum fill level: 1 litre, approximately 1.7 Imp. pints.

Manual gearbox

Shifting gears

ATTENTION

When shifting into a lower gear, high engine speeds can damage the engine. Danger of damage to property. Push the shift lever to the right while shifting into the 5th or 6th gear.◄

Reverse gear

Engage this position only when the vehicle is stationary.

To overcome the resistance of the selector lever move in a dynamic movement towards the left and engage the reverse gear.

Steptronic transmission

Selector lever positions

D Drive

Selector lever position for all normal driving. All gears for forward driving are selected automatically.

R Reverse

Engage this position only when the vehicle is stationary.

N Neutral

The vehicle will be able to roll. Select this in a car wash, for example.

P Park

Engage this position only when the vehicle is stationary. The drive gears are locked.

Before leaving the vehicle, ensure that the selector lever is engaged in the P position. The vehicle could otherwise start to move.

Kick-down

Kick-down enables you to achieve maximum performance. Press the accelerator pedal down beyond the regular full-throttle position; resistance will be felt.

Engaging selector lever positions

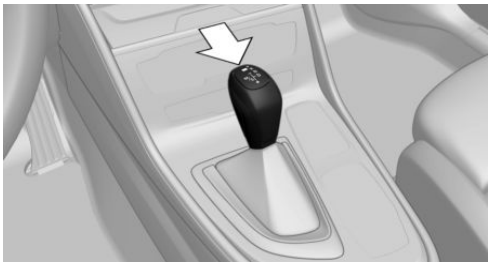
Apply the brake until you are ready to drive off; this will prevent the vehicle from moving when a gear is selected.

The selector lever can only be taken out of the selector lever position P with the ignition switched on or the engine running.

When the vehicle is stationary, press the brake before shifting from selector lever position P or N, otherwise the selector lever is blocked: shiftlock.

A lock prevents inadvertently shifting to selector lever position P or R and inadvertently shifting from selector lever position P.

Removing lock



Press button on front of selector lever, arrow.

Sport program and manual operation

Activating the sport program

Press the selector lever out of selector lever position D to the left.

The gear selected appears on the instrument cluster, for example S1.

The sport program of the gearbox is activated.

Activating M/S manual operation

1. Press the selector lever out of selector lever position D to the left.
2. Pull the selector lever forwards or backwards.

Manual operation becomes active and the gear is shifted.

The gear selected appears briefly on the instrument cluster, for example M1.

If required by the situation, the Steptronic transmission continues shifting automatically.

Example: if certain engine speed limits are reached, it is automatically upshifted as needed in manual operation M/S.

Switching to manual operation

- To shift down: press the selector lever forwards.
- To shift up: pull the selector lever backwards.

Gear changes are only done with the suitable engine and travel speed, for example, there is no change down with too high an engine speed.

The gear selected appears briefly on the instrument cluster, followed by the gear actually in use.

Steptronic Sport transmission: avoid automatic upshifting in manual operation M/S

The Steptronic Sport transmission does not automatically switch up in manual operation M/S when certain engine speed limits are reached, if one of the following conditions is met:

- DSC deactivated.
- TRACTION activated.

Beyond that, it is not shifted down in the case of kick-down.

In the corresponding gearbox version, operating the kick-down and the left shift paddle at

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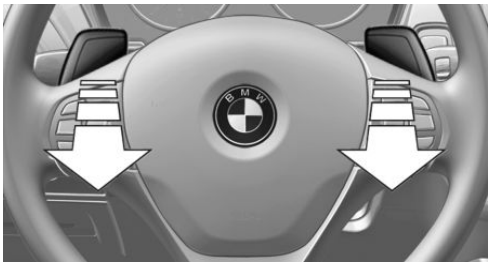
the same time allows you to change down to the lowest possible gear. However, this behaviour does not apply if there is a brief change from selector lever position D to manual operation using the shift paddles.

Switching off the sport program/ manual operation

Press the selector lever to the right.

D is shown in the instrument cluster.

Shift paddles



Shift paddles on steering wheel enable fast gearshifting without taking hands off steering wheel.

- Change up: pull right shift paddle briefly.
- Change down: pull left shift paddle briefly.
- In the corresponding gearbox version, pulling the left shift paddle for a long time allows you to change down to the lowest possible gear.

Gear changes are only done with the suitable engine and travel speed, for example, there is no change down with too high an engine speed.

The gear selected appears briefly on the instrument cluster, followed by the gear currently in use.

If you switch gear with the shift paddles whilst in automatic mode, the vehicle switches to manual shift mode briefly.

If selector lever remains in selector lever position D in the corresponding gearbox version, change to automatic operation is possible:

- Give right shift paddle a long pull.

  Or
- In addition to briefly pulling right shift paddle, briefly pull left shift paddle.

System reverts to automatic operation from manual operation after a certain period of time of restrained driving, without acceleration or gearshifts using shift paddles.

Displays in the instrument cluster

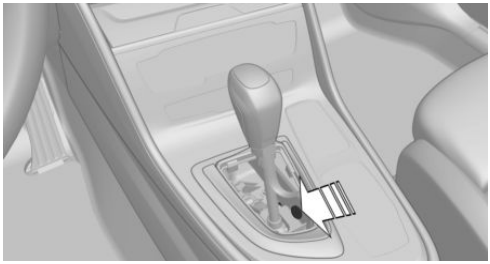
The selector lever position is displayed, for example: P.

Unlocking the transmission lockout manually

If the selector lever is blocked in selector lever position P in spite of the ignition being switched on, the brake depressed and unlock button pressed, the drive position block can be lifted manually:

Before transmission lockout is released manually, apply parking brake to prevent vehicle from rolling away.

1. Release sleeve from selector lever.
2. Put the sleeve over the selector lever. Remove the cable plug connector as appropriate.
3. With the screwdriver from the on-board tool kit, see page 218, push the yellow release lever down, arrow.



4. Move the selector lever back slightly, by pressing on the unlock button on the front of the selector lever.

   Release the release lever.

5. Put the selector lever in the desired position.

Steptronic Sport transmission: Launch Control

Principle

Launch Control allows optimised acceleration when driving off on a non-slip road surface.

General

Using Launch Control leads to preliminary component wear, as this function represents a very heavy load for the vehicle.

Do not use Launch Control when running in, see page 178.

To support the driving stability, re-activate DSC as soon as possible.

An experienced driver may be able to achieve better acceleration values in DSC OFF mode.

Requirements

Launch Control is available with an engine at operating temperature, so after an uninterrupted drive of at least 10 km, approximately 6 miles.

To start with Launch Control, do not engage the steering wheel.

Starting with Launch Control

With the engine running:

1. 

Press button and select SPORT with drive experience switch.

   TRACTION is displayed in instrument cluster in combination with SPORT and DSC OFF indicator light is illuminated.

2. Engage selector lever position S.
3. Depress the brake forcefully with your foot.
4. Press the accelerator pedal down beyond the resistance at the full-throttle position and hold, kick-down.

   A flag symbol is shown in the instrument cluster.

5. The engine speed when driving off is regulated. Release the brake within 3 seconds.

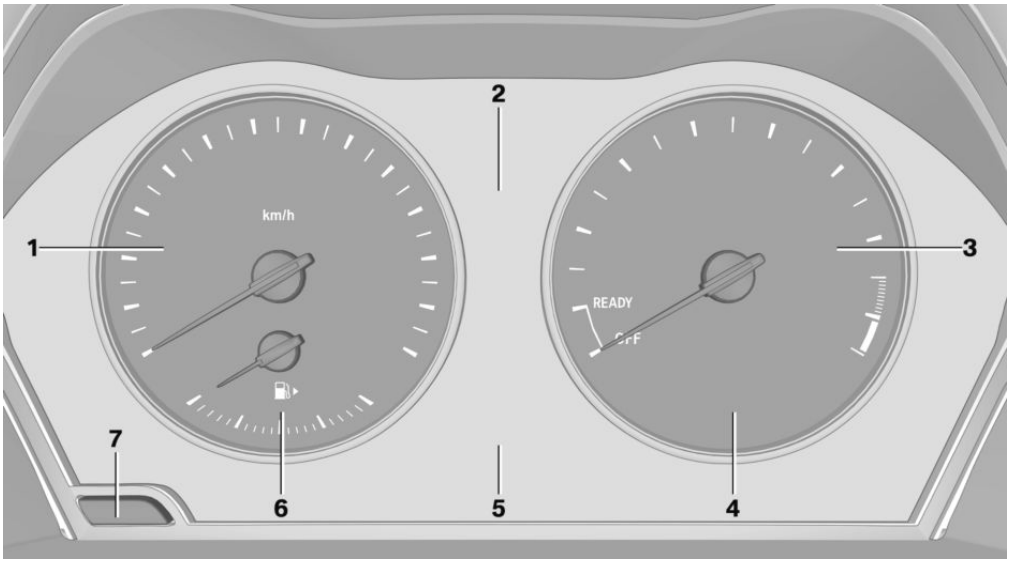
Before using Launch Control again, allow the transmission to cool down for about 5 minutes.

Displays

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Overview, Instrument cluster



1 Speedometer
2 Messages, for example, Check Control
3 Revolution counter 90
4 Current fuel consumption
5 Electronic displays 85
6 Fuel gauge 90
7 Reset kilometres 90

Electronic displays

- Selection lists, see page 95.
- Outside temperature, see page 90.
- Auto Start Stop function, see page 74.
- On-board computer, see page 96.
- Date, see page 90.
- Energy recuperation, see page 91.
- Gear Indicator, see page 83.

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- Seat belt reminder for rear seats, see page 56.
- Kilometres/trip odometer, see page 90.
- Messages, for example Check Control, see page 86.
- Navigation display.
- Range, see page 91.
- Status, drive experience switch, see page 134.
- Service requirements, see page 91.
- Speed Limit Information, see page 93.
- Time, see page 90.

Check Control

Principle

The Check Control monitors vehicle functions and alerts you to any faults in the monitored systems.

A Check Control message is displayed as a combination of indicator or warning lights and text messages in the instrument cluster and the Head-Up Display.

If applicable, the text message shown in the Control Display is accompanied by an additional acoustic sound.

Indicator and warning lamps

General

Indicator and warning lights in the instrument cluster can illuminate in a variety of combinations and colours.

When the engine starts or the ignition is switched on, the functionality of some lights is briefly checked.

Red lights

Seat belt reminder

Seat belt is not fastened on the driver's side. For some country versions: front passenger's seat belt is not fastened or objects are detected on the front passenger seat.

Flashing or illuminating: seat belt on the driver's or front passenger side is not fastened. The seat belt reminder can also be triggered if there are objects in the front passenger seat.

Check whether the seat belt has been fastened correctly.

Not for Australia/New Zealand: Belt reminder for rear seats

Red: seat belt not fastened on the corresponding rear seat.

Green: seat belt fastened on the corresponding rear seat.

Airbag system

Airbag system and belt tensioner may be faulty.

Have vehicle immediately checked by a Service Centre or a qualified specialist workshop.

Parking brake

The parking brake is engaged.

For further information see release parking brake, see page 76.

Brake system

Brake system malfunctioning. Continue driving at moderate speed.

Have vehicle immediately checked by a Service Centre or a qualified specialist workshop.

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Front-end collision warning

Illuminating: forewarning, for example if a danger of collision is anticipated or there is a very short distance to a vehicle ahead.

Increase distance.

Flashing: acute warning in the event of an immediate collision if the vehicle approaches another vehicle with relatively high differential speed.

Engage by braking and swerving as required.

Person warning

Symbol in the instrument cluster.

If there is a risk of collision with a detected person, the symbol lights up and a signal sounds.

Orange lights

Active Cruise Control

The number of transverse bars shows the selected distance to the vehicle in front.

For further information, see Camera-based Cruise Control with stop & go function, ACC, see page 136.

Vehicle recognition, Active Cruise Control

Illuminating: preceding vehicle detected.

Flashing: the requirements for operation of the system are no longer being met.

The system was deactivated but will continue to brake until you actively take over by depressing the brake or the accelerator pedal.

Yellow lights

Anti-lock Brake System, ABS

Avoid abrupt braking if possible. Braking force reinforcement faulty. Consider longer braking distance. Have this immediately checked by a Service Centre or a qualified specialist workshop.

Dynamic Stability Control DSC

Flashing: DSC is regulating the acceleration and braking forces. The vehicle is stabilised. Decrease speed and adjust driving style to the road conditions.

Illuminating: DSC has failed. Have system checked by a Service Centre or a qualified specialist workshop.

For further information see Dynamic Stability Control, DSC, see page 130.

Dynamic Stability Control DSC deactivated, or Dynamic Traction Control DTC activated

Dynamic Stability Control DSC, is switched off or Dynamic Traction Control DTC is switched on.

For further information see Dynamic Stability Control DSC, see page 130, and Dynamic Traction Control DTC, see page 131.

Runflat indicator RPA

The runflat indicator reports a pressure loss in a tyre.

Reduce your speed and carefully stop the vehicle. Avoid violent or sudden braking and steering manoeuvres.

For more information, see Runflat indicator, see page 115.

Tyre Pressure Monitor TPM

Illuminating: the Tyre Pressure Monitor reports a pressure loss in a tyre.

Reduce your speed and carefully stop the vehicle. Avoid violent or sudden braking and steering manoeuvres.

Flashing and then illuminating continuously: no flat tyres or loss of tyre pressure can be detected.

- Fault due to systems or devices with the same frequency: the system is automatically reactivated upon leaving the field of interference.
- TPM could not shut down the reset: execute a reset of the system again.
- Wheel without TPM electronics is fitted: have the vehicle checked by a Service Partner or a qualified specialist workshop if necessary.
- Malfunction: have the system checked by a Service Partner or a qualified specialist workshop.

For more information, see Tyre Pressure Monitor, see page 112.

Steering system

Steering system faulty.

Have steering system checked by a Service Centre or a qualified specialist workshop.

Engine functions

Have vehicle checked by a Service Centre or a qualified specialist workshop.

For further information see socket for on-board diagnosis, see page 217.

Lane departure warning

System is switched on and warns you under certain conditions if you leave a detected lane without indicating first.

For further information see Lane Departure Warning, see page 123.

Manual speed limiter

Illuminating: the system is switched on.

Flashing: set speed limit exceeded. An acoustic signal may sound.

Reduce speed or deactivate system.

Rear fog lights

Rear fog lights are switched on.

For further information see rear fog lights, see page 106.

Green lights

Turn indicator

Turn signal is switched on.

If the indicator light flashes more rapidly than usual, a turn signal light has failed.

For further information see turn indicator, see page 77.

Side lights, driving lights

Side lights or driving lights are switched on.

For further information see side lights/ low-beam headlights, low-beam headlight control, see page 102.

Front fog lights

Front fog lights are switched on.

For further information see front fog lights, see page 106.

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High-beam assistance

High-beam assistance is switched on.

High-beam headlights are switched on and off automatically depending on the traffic situation.

For further information see high beam assistance, see page 105.

Cruise Control

The system is switched on. The speed set using the control functions on the steering wheel is maintained.

Blue lights

High-beam headlights

High-beam headlights are switched on.

For further information see high-beam headlights, see page 78.

General lights

Check Control

At least one Check Control message is displayed or saved.

Text messages

Text messages and symbols in the instrument cluster explain the meaning of a check control message and the indicator and warning lights.

Supplementary text messages

You can call up additional information, for example the cause of the fault and any action required, via Check Control.

The supplementary text is automatically shown in the Control Display for urgent messages.

Symbols

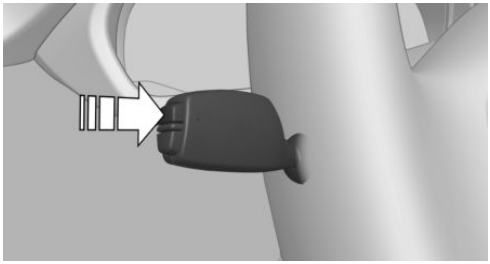
Inside the extended text message, depending on the Check Control message, the following functions can be selected.

- Display additional information on the Check Control message in the integrated Owner's Handbook.
- "Service request"

  Contact a Service Partner or a qualified specialist workshop.
- "Mobile Care"

  Contact the Mobile Service Centre.

Hiding Check Control messages



Press the button on turn indicator lever.

- Some Check Control messages are displayed permanently and remain until the fault has been repaired. If there are a number of malfunctions simultaneously, the messages are displayed in succession.

  These messages can be hidden for approximately eight seconds. They are then displayed again automatically.
- Other Check Control messages are automatically hidden after approximately 20 seconds. They remain saved and can be displayed again.

Displaying Check Control messages saved in memory

On the Control Display:

1. "Vehicle information"
2. "Vehicle status"
3. ⚠ "Check Control"
4. Select a text message.

Messages displayed at the end of a journey

Certain messages displayed when driving are displayed again when the ignition is switched off.

Fuel gauge

The vehicle inclination can lead to fluctuations in the display.

Depending on the equipment, the arrow next to the petrol pump symbol shows on which side of the vehicle the petrol tank flap is.

Information on refuelling, see page 196.

Revolution counter

It is vital to avoid engine speeds in the red warning zone. In this zone, the fuel supply is interrupted to protect the engine.

Odometer and trip distance recorder

Display

- Odometer, arrow 1.
- Trip distance recorder, arrow 2.

Show/reset distance

Press the button.

- When the ignition is off, the time, outside temperature and odometer are displayed.
- When the ignition is on, the trip distance recorder is reset.

Outside temperature

If the display drops to +3 °C/+37 °F or lower, a signal sounds.

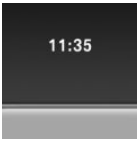
A Check Control message is displayed.

There is an increased risk of black ice.

WARNING

Even at temperatures above +3 °C/+37 °F, there can be an increased danger of icy roads, e.g. on bridges or on shaded roads. Danger of accidents. At low temperatures, adjust the driving style to the weather conditions.◀

Time



The time is shown in the instrument cluster.

Setting the time on the Control Display, see page 99.

Date

The date is displayed on the instrument cluster.

Setting the date on the Control Display, see page 99.

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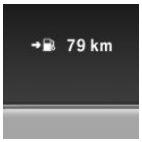
Range

Display



If there is a small remaining range:

- ▷ A Check Control message is briefly displayed.
- ▷ The On-board computer shows the remaining range.

▷ With dynamic driving style, for example fast cornering, the engine function is not always ensured.

If the range drops below approximately 50 km, approximately 30 miles the Check Control message is continually displayed.

ATTENTION

If the range drops below 50 km, approx. 30 miles, the engine could not be supplied anymore with sufficient fuel. Engine functions are not ensured anymore. Danger of damage to property. Refuel in good time.◄

Current fuel consumption

Instrument cluster

Shows the momentary fuel consumption. It is possible to check the economy and environmental compatibility of your driving style.

Instrument cluster with extended functionality

Shows the momentary fuel consumption. It is possible to check the economy and environmental compatibility of your driving style.

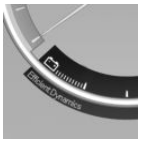
Displaying the current fuel consumption

Depending on equipment, the current fuel consumption can be shown as a bar display in the instrument cluster.

1. "Settings"
2. "Instr. cluster display"
3. "Analogue add. displays"

Energy recuperation

Display



In the coasting mode, the kinetic energy of the vehicle is converted into electrical energy. The vehicle battery is partially charged and fuel consumption can be lowered.

Service requirements

Principle

The distance to be driven or time to the next maintenance is displayed briefly after switching on the ignition briefly in the instrument cluster.

The current service requirements can be read by a service advisor from the remote control.

Display

Detailed information on service requirements

More detailed information on the scope of maintenance can be displayed on the Control Display.

1. "Vehicle information"
2. "Vehicle status"
3. "Service requirements"

Essential maintenance routines and any statutory inspections required are displayed.

4. Select an entry to display more detailed information.

Symbols

Symbols	Description
	No servicing is currently needed.
	Maintenance or an inspection required by law is due soon.
	Servicing is overdue.

Entering deadlines

Enter deadlines for prescribed statutory inspections.

Ensure that the date and time of the vehicle are set correctly.

On the Control Display:

1. "Vehicle information"
2. "Vehicle status"
3. "Service requirements"
4. "§ vehicle inspection"
5. "Date:"
6. Adjust the settings.
7. Confirm.

   The date input is saved.

Automatic Service notification

Data on the service status or on statutory inspections for the vehicle are transmitted to the Service Partner automatically when a service or inspection is imminent.

It can be checked when the Service Partner was notified.

On the Control Display:

1. "Vehicle information"
2. "Vehicle status"
3. Call up "Options".
4. "Last Teleservice Call"

Service history

General

Have maintenance work carried out by a Service Partner or a qualified specialist workshop. Performed maintenance work is recorded in the vehicle data, see page 216.

The maintenance visits entered can be shown on the Control Display. Operation is available as soon as a maintenance visit has been entered in the vehicle data.

Displaying service history

On the Control Display:

1. "Vehicle information"
2. "Vehicle status"
3. "Service requirements"
4. "Service history"

   Maintenance visits carried out are shown.
5. Select an entry to display more detailed information.

Symbols

Symbols	Description
	Green: maintenance has been carried out on time.
	Yellow: maintenance has been carried out with a delay.
	Maintenance has not been carried out.

Shift point indicator

Principle

The system recommends the most efficient gear for the current driving situation.

General

The shift point indicator is active in the manual mode of the Steptronic transmission and manual gearbox depending on equipment and country version.

Information on up or downshifting are displayed on the instrument cluster.

For vehicles without shift point indicator, the gear engaged is shown.

Manual gearbox: displays

Symbol	Description
	Most efficient gear is engaged.
	Shift up into most efficient gear.
	Shift down into most efficient gear.
	Shift to neutral.

Steptronic transmission: displays

Example	Description
	Most efficient gear is engaged.
	Shift to a more efficient gear.

Speed Limit Information with No Passing Information

Principle

Speed Limit Information

The currently detected speed limit is displayed by Speed Limit Information using a symbol in the shape of a traffic sign in the instrument cluster. The camera in the area of the interior rear-view mirror detects traffic signs at the edge of the road as well as variable overhead sign posts. Traffic signs with additional symbols, for example, when wet, are also compared with data internal to the vehicle, for example the rain sensor, and displayed, depending on the situation.

With navigation system, the system considers the information saved in the navigation data and also displays the speed limits present on unmarked sections of road.

Without navigation system, the system has certain technical limitations. Speed limits with textual supplementary signs are always shown.

No Passing Information

No Passing Information displays with corresponding symbols in the instrument cluster no passing restrictions and their removal detected by the camera. The system only considers no passing restrictions and lifting the restriction made known by signage.

Nothing will be displayed in the following situations:

- In countries in which no passing is primarily shown by road markings.
- On routes without signage.
- On level crossings, carriageway markings or other situations which would not indicate an unsigned no passing restriction.

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Notes

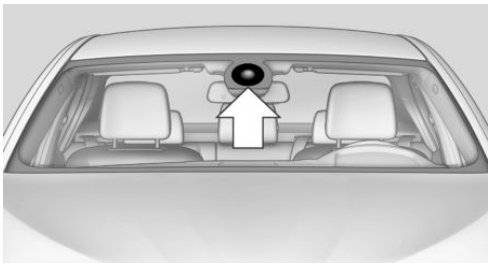
Speed limits and no overtaking for towing a trailer are not shown.

WARNING

The system does not take your personal responsibility from you when you are estimating the visibility conditions and traffic situation. Danger of accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◂

Overview

Camera



The camera is in the area of the base of the rear-view mirror.

Keep the windscreen clean and clear in the area in front of the rear view mirror.

Switching on/off

1. "Settings"
2. "Instr. cluster display"
3. "Limit info"

If Speed Limit Information is switched on, this can be displayed through the on-board computer on the information display in the instrument cluster.

No Passing Information is displayed together with activated Speed Limit Information.

Display

The following appears in the instrument cluster:

Speed Limit Information

Last detected speed limit.

Without navigation system the traffic sign is greyed out when cornering or on longer sections of road.

With navigation system:

Speed Limit Information unavailable.

Without navigation system:

Speed Limit Information switched on, but no speed limit or end of restriction detected.

The Speed Limit Information can also be displayed in the Head-Up Display.

No Passing Information

- No passing restriction.
- End of no passing restriction.
- No Passing Information unavailable.

The No Passing Information can also be shown in the Head-Up Display.

System limits

The function may be disabled or inaccurate under certain conditions, for example:

- In thick fog and heavy rain or snow.
- If road signs are obscured.
- If the vehicle is moving too close to the vehicle ahead.
- With bright oncoming light.

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- When the windscreen in front of the rear-view mirror is covered with condensation, dirt, stickers, labels, etc.
- Due to possible wrong detections of the camera.
- If the speed limits saved in the navigation system are wrong.
- In areas not covered by the navigation system.
- If there are deviations in relation to the navigation, for example due to changes in the road routing.
- On overtaking buses or trucks with speed stickers.
- If traffic signs do not correspond to the standard.
- During the calibration process of the camera immediately after the vehicle is supplied.

Selection lists in the instrument cluster

Principle

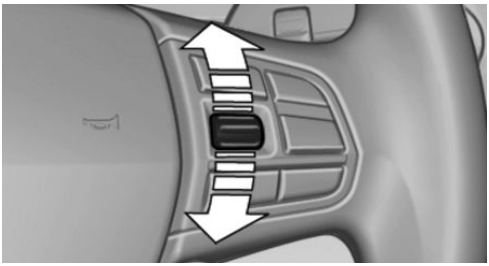
Depending on equipment, the following can be displayed or operated via the buttons and the knurled wheel on the steering wheel and using the displays in the instrument cluster and Head-Up Display:

- Current audio source.
- Repeat dialling for telephone.
- Activating the voice control system.

Display

Depending on equipment, the list in the instrument cluster may differ from what is displayed.

Activating the list and entering a setting

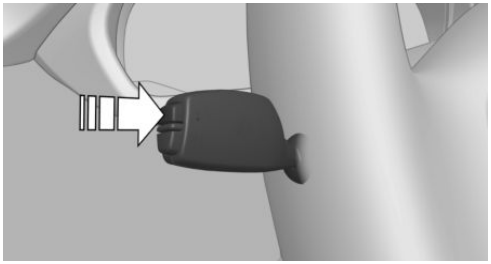


Turn the knurled wheel on the right-hand side of the steering wheel to activate the corresponding list.

Using the knurled wheel, select the desired setting and confirm by pressing the knurled wheel.

On-board computer

Calling up information on the information display



Press the button on turn indicator lever.

Information is displayed on the information display in the instrument cluster.

Overview of the information

Info display

Repeated pressing of the button on the turn indicator lever shows the following information on the information display:

- Range.
- ECO PRO bonus range.
- Average fuel consumption.
- Current consumption.
- Average speed.
- Date.
- Engine temperature display.
- Speed Limit Information.
- Time of arrival.

  With activated route guidance in the navigation system.
- Distance to destination.

  With activated route guidance in the navigation system.

Setting displays for the information display

Depending on the equipment, it can be set which displays of the on-board computer can be called up on the information display in the instrument cluster.

On the Control Display:

1. "Settings"
2. "Instr. cluster display"
3. Select the desired displays.

Detailed information

Range

Displays the estimated range available with the remaining fuel.

It is calculated based on your driving style over the last 30 km, 20 miles.

Average fuel consumption

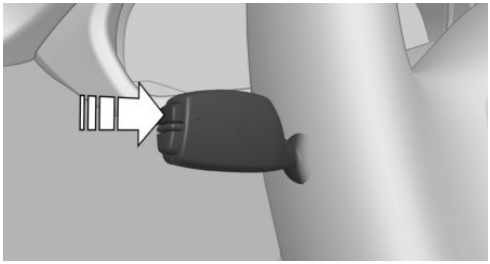
The average consumption is calculated for the period during which the engine is running.

The average consumption is calculated on the route travelled since the on-board computer was last reset.

Average speed

The calculation of average speed ignores any stationary periods where the engine was switched off manually.

Resetting average values



Keep the button pressed on the turn indicator lever.

Engine temperature display

Displays current engine temperature from a combination of coolant and engine oil temperature. Display is in middle position as soon as optimum operating temperature has been reached.

If the engine oil or coolant and therefore the engine become too hot, a Check Control message is displayed as well.

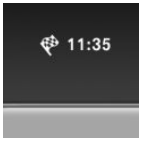
Check coolant level, see page 214.

Distance to destination

The remaining distance to the destination is displayed if a destination was entered in the navigation system before the start of the journey.

The distance to the destination is automatically adopted.

Arrival time



The estimated time of arrival is displayed if a destination was entered in the navigation system before the start of the journey.

A precondition is that the time is correctly set.

Speed Limit Information

Description of Speed Limit Information, see page 93.

Journey computer

Two types of on-board computer are available.

- ▷ "On-board computer": values can be reset any number of times.
- ▷ "Trip computer": values deliver an overview of the current trip.

Resetting the Journey computer

On the Control Display:

1. "Vehicle information"
2. "Trip computer"
3. "Reset": all values are reset.

   "Reset automatically": all values are reset if the vehicle is at a standstill for approximately four hours.

Display on the Control Display

Display the on-board computer or Journey computer on the Control Display.

On the Control Display:

1. "Vehicle information"
2. "On-board computer" or "Trip computer"

Resetting fuel consumption and speed

On the Control Display:

1. "Vehicle information"
2. "On-board computer"
3. "Consumpt." or "Speed"
4. "Yes"

Sport displays

Principle

On the Control Display, sports instruments can be shown and the drive state is checked before using the SPORT program.

Sports instruments

Values for performance and torque are shown on the control display.

Show sports instruments

Via iDrive:

1. "Vehicle information"
2. "Sport displays"
3. "Sports instruments"

Using driver experience switch:

1. Activating SPORT.
2. "Sport displays"
3. "Sports instruments"

Vehicle state

Following vehicle and ambient data is evaluated:

- Engine temperature.
- Outside temperature
- Tyre temperature and tyre inflation pressure.

Tyre temperature and tyre inflation pressure are measured while driving.

Check vehicle state

Via iDrive:

1. "Vehicle information"
2. "Sport displays"
3. "Vehicle and surroundings"

Using driver experience switch:

1. Activating SPORT.
2. "Sport displays"
3. "Vehicle and surroundings"

Speed warning

Principle

Display of a speed at which a warning is to be issued when reached.

Repeat warning if the set speed limit was undershot once by at least 5 km/h/3 mph.

Displaying, setting or altering the speed warning

On the Control Display:

1. "Settings"
2. "Speed"
3. "Warning at:"
4. Turn the Controller until the desired speed is displayed.
5. Press the Controller.

Speed warning is stored.

Activating/deactivating speed warning

On the Control Display:

1. "Settings"
2. "Speed"
3. "Warning"
4. Press the Controller.

Saving actual speed as speed warning

On the Control Display:

1. "Settings"
2. "Speed"
3. "Select current speed"
4. Press the Controller.

   The current driving speed is saved as the speed warning.

Settings on the Control Display

Time

Setting the time zone

1. "Settings"
2. "Time/date"
3. "Time zone:"
4. Select desired time zone.

The time zone is saved.

Setting the time

1. "Settings"
2. "Time/date"
3. "Time:"
4. Turn the controller until the desired hours are displayed.
5. Press the controller.
6. Turn the controller until the desired minutes are displayed.
7. Press the controller.

The time is saved.

Setting the time format

1. "Settings"
2. "Time/date"
3. "Format:"
4. Select the desired format.

The time format is saved.

Automatic time setting

Depending on equipment, the time, date and, if necessary, time zone are updated automatically.

1. "Settings"
2. "Time/date"
3. "Automatic time setting"

Date

Setting the date

1. "Settings"
2. "Time/date"
3. "Date:"
4. Turn the controller until the desired day is displayed.
5. Press the controller.
6. Make the setting for month and year accordingly.

The date is saved.

Setting the date format

1. "Settings"
2. "Time/date"
3. "Format:"
4. Select the desired format.

The date format is saved.

Language

Setting the language

To set the language on the Control Display:

1. "Settings"
2. "Language/units"
3. "Language:"
4. Select the desired language.

The setting is stored for the currently used profile.

Setting the speech dialogue

Voice dialogue for the voice control system, see page 26.

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Units of measure

Setting the units of measure

To set the units of measure for fuel consumption, distance covered/remaining range, and temperature:

1. "Settings"
2. "Language/units"
3. Select the desired menu item.
4. Select the desired unit.

The setting is stored for the currently used profile.

Brightness

Adjusting brightness

Adjusting brightness of Control Display:

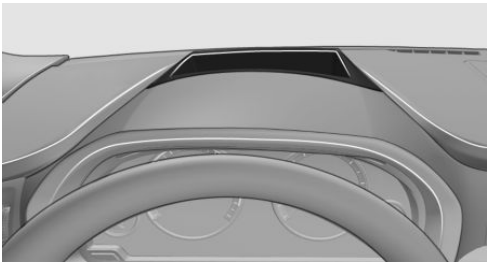
1. "Settings"
2. "Control display"
3. "Brightness"
4. Turn the Controller until the desired brightness is obtained.
5. Press the Controller.

The setting is stored for the currently used profile.

Depending on the lighting conditions, brightness control might not be immediately recognisable.

Head-Up Display

Overview



Principle

The system projects important information into the field of vision of the driver, for example speed.

The driver can take on information quickly and concentrate on the traffic conditions.

Notes

Follow information on cleaning the Head-Up Display, see page 239.

Visibility of the display

Visibility of the display on the Head-Up Display is influenced by the following factors:

- Certain seat positions.
- Items on the Head-Up Display cover.
- Sunglasses with certain polarisation filters.
- Wet road.
- Unfavourable lighting conditions.

If the picture is distorted, have the basic settings checked by a Service Partner or a qualified specialist workshop.

Switching on/off

1. "Settings"
2. "Head-up display"
3. "Head-up display"

Display

Overview

The following information is displayed in the Head-Up Display:

- Speed.
- Navigation system.
- Check Control messages.
- Selection list from the instrument cluster.
- Driver Assistance Systems.

Some of this information is only shown briefly when needed.

Selecting displays on the Head-Up Display

On the Control Display:

1. "Settings"
2. "Head-up display"
3. "Information displayed"
4. Select desired display on Head-Up Display.

The setting is stored for the currently used profile.

Adjusting brightness

The brightness is automatically adapted to the ambient light.

The base setting can be adjusted manually.

On the Control Display:

1. "Settings"
2. "Head-up display"
3. "Brightness"
4. Turn the Controller until the desired brightness is obtained.
5. Press the Controller.

The brightness of the Head-Up Display can also be influenced using the instrument lighting if the low-beam headlights are switched on.

The setting is saved for the currently used profile.

Adjusting height

On the Control Display:

1. "Settings"
2. "Head-up display"
3. "Height"
4. Turn the Controller until the desired height is obtained.
5. Press the Controller.

The setting is saved for the currently used profile.

Adjusting rotation

The image of the Head-Up Display can be rotated around its axis.

On the Control Display:

1. "Settings"
2. "Head-up display"
3. "Rotation"
4. Turn the Controller until the desired setting is reached.
5. Press the Controller.

The setting is saved for the currently used profile.

Special windscreen

The windscreen constitutes part of the system.

The shape of the windscreen enables a precise projection.

A film in the windscreen prevents double images occurring.

For this reason, have the special windscreen replaced by a Service Partner or a qualified specialist workshop.

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Lights

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Overview

Switch in the vehicle

The light switch element is located next to the steering wheel.

Light functions

Symbol	Function
	Rear fog lights
	Front fog lights
	Automatic driving lights control Cornering light and variable light distribution
0	Lights off Automatic driving lights control Daytime driving lights
	Side lights
	Low-beam headlights
	Headlight beam throw adjustment for halogen headlights
	Instrument lighting

Side lights, low-beam headlights and parking light

General

Switch position: 0 , ,

If the driver's door is opened with the ignition switched off, the exterior lights are automatically switched off with these switch settings.

Side lights

Switch position:

The vehicle is illuminated all round.

You should not leave the side lights on for longer periods of time, since the vehicle battery could discharge and you might not have enough power to start the engine.

To park, switch on the one-sided parking light, see page 103.

Low-beam headlights

Switch position:

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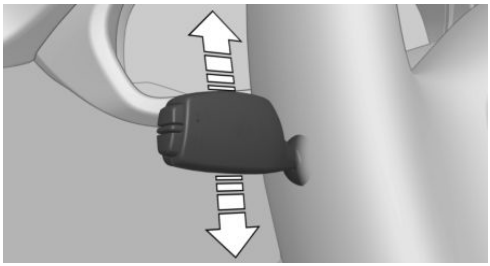
The low-beam headlights illuminate with the ignition switched on.

Parking lights



The vehicle can be illuminated on one side.

Switching on

With the ignition switched off, push the lever upwards or downwards beyond the resistance point for approximately 2 seconds.

Switching off

Press the lever briefly in the opposite direction as far as the resistance point.

Welcome lights and headlight courtesy delay feature

Welcome lights

Depending on the equipment version, switch position or when parking the vehicle.

Depending on the ambient brightness, the side lights and interior light may come on briefly when unlocking the vehicle.

Activating/deactivating

On the Control Display:

1. "Settings"
2. "Lights"
3. "Welcome light"

The setting is saved for the currently used profile.

Headlight courtesy delay feature

If the headlight flasher is activated after switching off the radio ready state, the low-beam headlights illuminate and remain on for a certain amount of time.

Setting the duration

On the Control Display:

1. "Settings"
2. "Lights"
3. "Home lights:"
4. Set the duration.

The setting is saved for the currently used profile.

Automatic driving lights control

Principle

Depending on ambient brightness, the system switches the low-beam headlights on or off automatically, for example in a tunnel, at twilight and in rain or snow.

General

The headlights may also come on when the sun is sitting low in a blue sky.

When emerging from tunnels in daylight, low-beam headlights are not switched off immediately, but only after approximately 2 minutes.

The low-beam headlights always remain on when the fog lights are switched on.

Activating

Switch position: 0 ,

The indicator light in the instrument cluster is illuminated with the low-beam headlights switched on.

System limits

The automatic driving lights control is no substitute for your individual judgement of when it is necessary to switch on the lights.

The sensors are unable, for instance, to recognise fog or hazy weather. In such situations, switch on the lights manually to avoid any safety risk.

Daytime driving lights

Switch position: 0 , AUTO

The daytime driving lights illuminate with the ignition switched on.

Activating/deactivating

In some countries daytime driving lights are compulsory, which is why the daytime driving lights cannot be deactivated.

On the Control Display:

1. "Settings"
2. "Lights"
3. "Daytime driving lights"

The setting is saved for the currently used profile.

Cornering light and variable light distribution

Cornering light

Switch position: AUTO

When cornering the cornering light illuminates the area inside the corner as well. Below a speed of 40 km/h, approx. 25 mph with the turn indicator switched on or detected steering angle, it automatically switches on.

Variable light distribution

Switch position: AUTO

The variable light distribution enables better illumination of the carriageway, depending on speed.

- Urban lighting: the illumination area of the low-beam headlights is extended on the sides. It is switched on if the speed of 50 km/h, approx. 30 mph is not exceeded while accelerating or if the speed of 40 km/h, approx. 25 mph is undercut while braking.
- Motorway lighting: the illumination width of the low-beam headlights is expanded. It is switched on if the speed is above 110 km/h, approximately 68 mph for 30 seconds or as soon as the speed exceeds 140 km/h, approximately 87 mph.

Malfunction

A Check Control message is displayed.

Cornering light or variable light distribution is disrupted or has failed. Have the system checked as soon as possible.

Headlight beam throw adjustment

General

With halogen headlights adjust the beam throw of the low-beam headlights manually in accordance with the vehicle load. Otherwise, the glare will disturb drivers of oncoming vehicles.

Settings

Values applicable when towing a trailer:

- 0 / 1 = 1 to 2 persons without luggage.
- 1 / 1 = 5 persons without luggage.
- 1 / 2 = 5 persons with luggage.
- 2 / 2 = 1 person, boot fully loaded.

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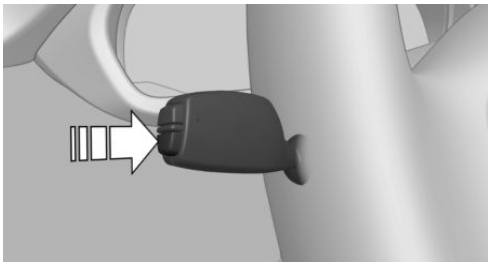
High-beam assistance

Principle

When low-beam headlights are switched on, this system automatically switches the high-beam headlights on and off. This process is controlled by a camera on the front of the rear-view mirror. It ensures that the high-beam headlights are switched on whenever the traffic situation allows. You can also control the lights yourself at any time and switch them on and off as usual. The high-beam headlights are not switched on by the system in the low speed range.

Activating



1. Depending on equipment, turn the light switch to position or .
2. Press the button on the turn indicator lever, arrow.

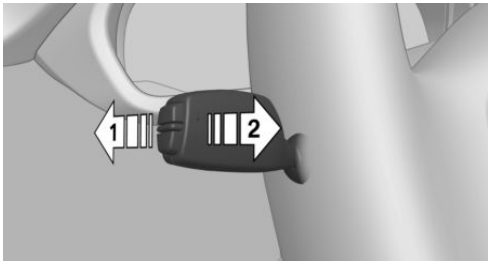
The indicator light in the instrument cluster is illuminated.

When the low-beam headlights are on, the beam is dipped and returned to full beam automatically.

The system responds to light from oncoming traffic and traffic driving ahead of you, and to adequate lighting, for example in built-up areas.

The blue indicator light in the instrument cluster illuminates if the high beam is switched on by the system.

Raising and dipping manually



- High-beam headlights on, arrow 1.
- High-beam headlights off/headlight flasher, arrow 2.

The high beam assistance can be deactivated by manually raising and dipping.

To reactivate high-beam assistance, press the button on the turn indicator lever, see page 105.

System limits

The high-beam assistance cannot replace the personal decision to use the high-beam headlights. Thus, dip manually in situations requiring such.

In the following situations, the system will not operate or its operation will be impaired and your intervention may be required:

- During extremely unfavourable weather conditions such as fog or heavy precipitation.
- When detecting poorly-lit road users such as pedestrians, cyclists or horseback riders or carts, and when trains or ships are close to the road, or when game are passing across the road.
- On narrow bends, steep uphill or downhill gradients, at traffic junctions or if your view of oncoming vehicles on a motorway is obstructed.
- In poorly-lit towns and where there are very reflective signs.

▷ When the windscreen in front of the rear-view mirror is covered with condensation, dirt, stickers, labels, etc.

Fog lights

Front fog lights

The side lights or low-beam headlights must be switched on.

Press the button. The green indicator light is illuminated.

If automatic driving lights control, see page 103, has been activated, the low-beam headlights illuminate automatically when the front fog lights are switched on.

Guiding fog lights

In switch position , a guide fog light for a wider illumination is also activated up to a speed of 110 km/h, 68 mph.

Rear fog lights

The low-beam headlights or front fog lights must be switched on.

Press the button. The yellow indicator light is illuminated.

If automatic driving lights control, see page 103, has been activated, the low-beam headlights come on automatically when the rear fog lights are switched on.

Left-hand/right-hand traffic

General

When driving in countries where the opposite rule of the road applies, you need to prevent your headlights from dazzling oncoming vehicles.

Halogen headlights

The Service Partner or a qualified specialist workshop has light benders available. Proceed in accordance with the enclosed information when affixing the light benders to the headlights.

LED headlights

Light distribution of the headlights avoids dazzling of the low-beam headlights when driving in a country in which the traffic drives on the opposite side.

Variable light distribution

When driving in a country where you drive on the opposite side of the road from the country the vehicle is licensed, do not drive with the setting, otherwise this could cause a dazzling effect from the variable light distribution.

Instrument lighting

Adjusting

The brightness can only be adjusted when the side lights or the low-beam headlights are switched on.

The brightness can be set using the knurled wheel.

Interior light

General

The interior light, the footwell lights, door entry lighting and the courtesy lighting are controlled automatically.

The brightness of some equipment is influenced by the knurled wheel for the instrument lighting.

Overview

1 Interior light

2 Reading light

Switching the interior light on and off manually

Press the button.

To switch off permanently: press the button for approximately three seconds.

Switch on again: press button.

Reading lights

Press the button.

There are reading lights located at the front and in the rear beside the interior lights.

Ambient lighting

Depending on the equipment, the lighting in the interior can be set for a few lights.

Selecting colour scheme

Via iDrive:

1. "Settings"
2. "Lights"
3. "Ambient:"
4. Select the desired setting.

To deactivate the ambient light: "Off".

Adjusting brightness

Via iDrive:

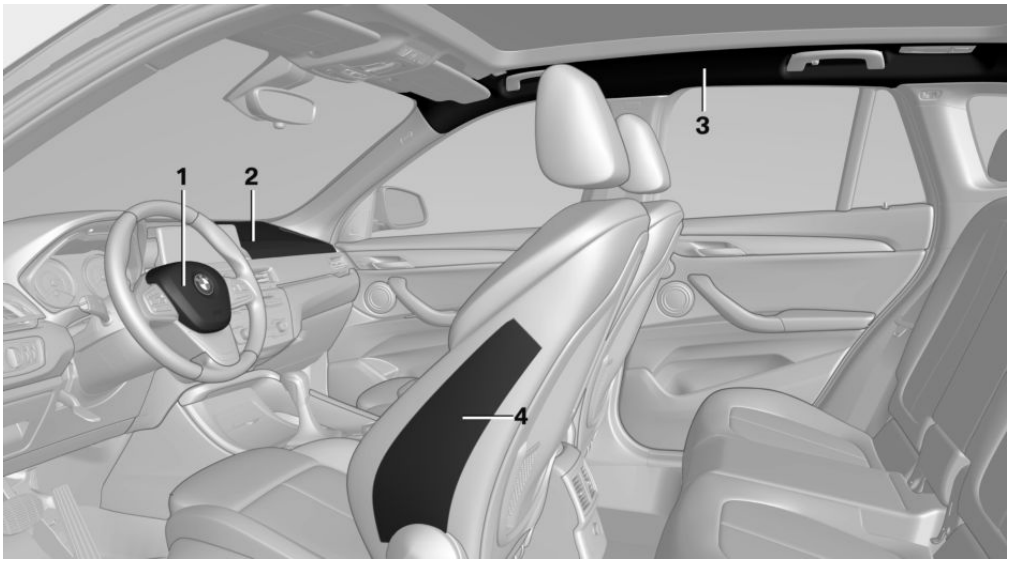
1. "Settings"
2. "Lights"
3. "Brightness:"
4. Adjusting brightness.

Security

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Airbags



1 Front airbag, driver
2 Front airbag, front passenger
3 Head airbag
4 Side airbag

Front airbags

Front airbags protect the driver and front passenger in the event of a head-on collision where the action of the seat belts alone would be insufficient.

Side airbag

In a side-on crash, the side airbag supports the body from the side in the chest and pelvic area.

Head airbag

The head airbag supports the head in the event of a side-on collision.

Protective effect

Airbags are not activated by every collision, for example in minor accidents and rear-end collisions.

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Notes on optimum protective effect of the airbag

WARNING

If the seat position is wrong or the deployment area of the airbag is impaired, the airbag system cannot provide the intended protection, or may cause additional injuries when it deploys. Danger of injury or life. Comply with these notes for optimum protective effect.◄

- Keep your distance from the airbags.
- Make sure that vehicle occupants keep their head away from the side airbag.
- Always grip the steering wheel on the steering wheel rim. Keep you hands in the 3 o'clock and 9 o'clock positions to reduce the risk of injury to hands or arms when the airbag deploys.
- Make sure that the front-seat passenger is sitting correctly, in other words with feet or legs in the footwell, not resting on the dashboard.
- Do not position any other persons, pets or objects between the airbags and persons.
- Never attach any material to the airbag covers with adhesive; never place material over them or modify them in any way.
- Keep the dashboard and windscreen in the area of the passenger's side free, for example do not attach adhesive foil or covers and do not fit brackets for navigation devices or mobile telephones.
- Do not use the front airbag cover on the front passenger's side as a tray.
- Do not fit seat covers, cushions or other objects not specifically suitable for seats with integral side airbags to the front seats.
- Do not hang items of clothing such as coats or jackets over the backrests.
- Do not modify individual components of the system or its wiring in any way. This also applies to the covers of the steering wheel, the dashboard and seats.
- Do not dismantle the airbag system.

Even if all these notes are complied with, depending on the circumstances in which an accident occurs, certain injuries as a result of contact with the airbag cannot be entirely ruled out.

The noise caused by the deployment of an airbag may lead to temporary hearing loss for vehicle occupants sensitive to noise.

Operational readiness of the airbag system

Notes

WARNING

Individual components of the airbag system can be hot after triggering. Danger of injury. Do not touch individual components.◄

WARNING

Work carried out incorrectly can lead to a failure, a malfunction or accidental triggering of the airbag system. If there is a malfunction, the airbag system might not trigger as intended in an accident, in spite of the accident being of the appropriate severity. Danger of injury or life. Have the airbag system tested, repaired or removed and scrapped by a Service Partner or a qualified specialist workshop.◄

Correct function

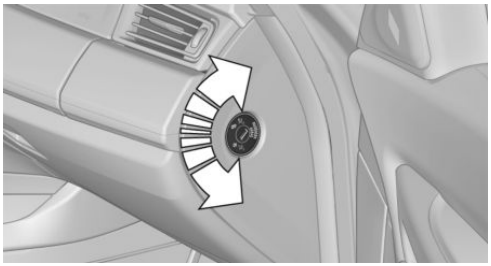
When the ignition is switched on, the warning light in the instrument cluster briefly illuminates in order to show the functional readiness of the entire airbag system and the belt tensioner.

Airbag system disrupted

- Warning light does not illuminate after the ignition is switched on.
- Warning lamp is permanently illuminated.

Not for Australia/New Zealand: Key switch for front passenger airbags

General



The front and side airbags for the front passenger can be deactivated and reactivated using the integrated key from the remote control.

Deactivating the front passenger airbags

1. Insert the key and press inwards where necessary.
2. While the key is pressed inwards, turn it to the OFF position as far as it will go. Once the stop position has been reached, remove the key.
3. Make sure that the key switch is in the corresponding end position so that the airbags are deactivated.

The front passenger airbags are deactivated. The driver's airbags remain active.

If a child restraint system is no longer fitted in the front passenger seat, reactivate the front passenger airbags so that they are triggered as intended in the event of an accident.

The airbag condition is displayed on the indicator light on the roof lining, see page 110.

Activating the front passenger airbags

1. Insert the key and press inwards where necessary.
2. While the key is pressed inwards, turn it to the ON position as far as it will go. Once the stop position has been reached, remove the key.
3. Make sure that the key switch is in the corresponding end position so that the airbags are activated.

The front passenger airbags are reactivated and can deploy correctly if the need arises.

Indicator light for front passenger airbags

Depending on the equipment, there will be one of the illustrated indicator lights.

The indicator light for the front passenger airbags shows the operating status of the front passenger airbags.

After switching on the ignition, the light illuminates briefly and then shows whether the airbags are activated or deactivated.

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Depending on the equipment version, different indicator lights may illuminate.

Display	Function
	If the front passenger airbag is activated, the indicator light illuminates for a short period and then goes off.
 or 	When front passenger airbags are deactivated, the indicator light remains illuminated. When front passenger airbags are activated, the indicator light is not illuminated.

Active pedestrian protection system

Principle

With the active pedestrian protection system, the bonnet is raised if the vehicle front collides with a pedestrian. Sensors underneath the bumper are used for detection. This provides additional deformation space underneath the bonnet for the subsequent head impact.

Notes

WARNING

The system can trigger inadvertently if individual components of the hinges and bonnet locks are touched. Danger of injury or damage to property. Do not touch individual components of the hinges and bonnet locks.◄

WARNING

Changes to the pedestrian protection system can lead to a failure, a malfunction or accidental triggering of the pedestrian protection system. Danger of injury or life. Do not make any changes to the pedestrian protection system, its individual components and cabling, and do not remove the system either.◄

WARNING

Work carried out incorrectly can lead to a failure, a malfunction or accidental triggering of the system. If there is a malfunction, the system might not trigger as intended in an accident, in spite of the accident being of the appropriate severity. Danger of injury or life. Have the system tested, repaired or removed and scrapped by a Service Partner or a qualified specialist workshop.◄

System limits

The active pedestrian protection system is only triggered at speeds between approximately 20 km/h, approximately 12 mph and 55 km/h, approximately 34 mph.

For safety reasons, the system may also trigger in rare instances where impact with a pedestrian cannot be excluded beyond all doubt, for example:

- Collision with a skip or a boundary post.
- Collision with animals.
- Stone impact.
- Driving into a snow drift.

Triggered pedestrian protection system

WARNING

Following triggering or damage, the functions of the system will be restricted, or will no longer work at all. Danger of injury or life.

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After triggering or if the system is damaged, have it checked and replaced at a Service Partner or in a qualified specialist workshop.◂

Malfunction

A Check Control message is shown.

The system has been triggered or is faulty.

Immediately drive at a moderate speed to the next Service Partner or a qualified specialist workshop to have the system checked and repaired.

ATTENTION

Opening the bonnet when the pedestrian protection system has triggered can result in damage to the bonnet or the pedestrian protection. Danger of damage to property. Do not open the bonnet after the Check Control message is displayed. Have this checked by a Service Partner or a qualified specialist workshop.◂

Tyre Pressure Monitor TPM

Principle

The system monitors the tyre pressure in the four fitted tyres. The system warns if the inflation pressure in one or more tyres has fallen considerably. To do this, the sensors in the tyre valves measure the tyre pressure and tyre temperatures.

Note

To operate the system, also follow the other information and notes under tyre inflation pressure, see page 200.

Operating requirements

For the system, a reset must have been made with the correct tyre inflation pressure, otherwise reliable signalling of a flat tyre cannot be assured.

Reset the system after adjusting the tyre pressure to a new value and after a tyre or wheel change.

Always use wheels with TPM electronics to guarantee the system functions without errors.

Status display

The current status of the Tyre Pressure Monitor TPM can be shown on the Control Display, for example whether the TPM is active.

1. "Vehicle information"
2. "Vehicle status"
3. (!) "Tyre Pressure Monitor (RDC)"

The status is displayed.

Status control display

The tyre and system status is denoted by the wheel colour and some text on the Control Display.

All wheels green

System is active and is warning about the tyre inflation pressures saved during the last reset.

One wheel yellow

A flat tyre or major loss of tyre pressure in the tyre shown.

All wheels yellow

A flat tyre or major loss of tyre pressure in several tyres.

Wheels grey

The system cannot detect a flat tyre because of a malfunction.

Additional information

The current tyre pressures are also displayed in the status control display. The values shown are current values and may change due to the effect of driving mode or weather conditions.

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Running reset

Reset the TPM after adjusting the tyre inflation pressure to a new value and after a tyre or wheel change.

On the Control Display and on the vehicle:

1. "Vehicle information"
2. "Vehicle status"
3. (!) RESET "Perform reset"
4. Start the engine – do not drive off.
5. Resetting tyre inflation pressure: "Perform reset".
6. Drive off.

The wheels are shown grey and the status appears on the display.

After driving for a short time over 30 km/h, 19 mph the set tyre inflation pressures are accepted as target values. The reset is run automatically during the journey.

The progress of the reset is shown.

After a successfully concluded reset, the wheels are shown in green on the Control Display and "Tyre Pressure Monitor (RDC) active." is shown.

You can interrupt your journey at any time. Reset resumes automatically when you continue your journey.

Message if tyre inflation pressure is low

The yellow warning lamp is illuminated. A Check Control message is shown.

▷ There is a flat tyre or substantial loss of tyre pressure.

▷ No reset has been done to the system. Consequently, the system warns of the tyre pressures of the last reset.

1. Reduce your speed and carefully stop the vehicle. Avoid violent or sudden braking and steering manoeuvres.
2. Check whether the vehicle is equipped with standard tyres or run-flat tyres.

The symbol identifying run-flat tyres, see page 203, is the circle with the letters RSC on the tyre side wall.

WARNING

A damaged normal tyre with inadequate tyre inflation pressure or no tyre inflation pressure at all impairs driving properties, for example steering and braking. Tyres with run-flat properties allow a limited level of stability to be maintained. Danger of accidents. Do not continue to drive unless the vehicle is equipped with run-flat tyres. Comply with the notes on run-flat tyres and continuing to drive with these tyres.◄

When there is a message that the tyre inflation pressure is low, the Dynamic Stability Control DSC may be switched on.

What to do in the event of a flat tyre

Standard tyres

1. Identify the damaged tyre.

   Do this by checking the air pressure in all four tyres.

   The tyre inflation pressure display of the Mobility System can be used for this.

   If all four tyres are inflated to the correct pressures, the Tyre Pressure Monitor might not have been initialised. In this case initialise the system.

   If it is not possible to identify, contact a Service Partner or a qualified specialist workshop.
2. Fix the puncture with the Mobility System.

The use of tyre sealant, for example the Mobility System, can damage the TPM wheel electronics. If sealant is used, check the electronics as soon as you get an opportunity and have them replaced if necessary.

Run-flat tyres

Top speed

If a tyre has punctured you can continue your journey, driving at speeds up to a maximum of 80 km/h, 50 mph.

Continuing a journey with a flat tyre

If you continue a journey with a flat tyre:

1. Avoid violent or sudden braking and steering manoeuvres.
2. Do not exceed a speed of 80 km/h, 50 mph any longer.
3. As soon as you get an opportunity, check the tyre pressure in all four tyres.

   If all four tyres are inflated to the correct tyre inflation pressures, the Tyre Pressure Monitor might not have been reset. Then run reset.

Maximum possible distance with tyres entirely deflated:

The possible driving distance with a flat tyre depends on the load and strain on the vehicle during the journey.

With a moderate vehicle load, it is possible to travel approximately 80 km, 50 miles.

During the journey driving with damaged tyres, the vehicle handling changes, for example quicker loss of traction when braking, longer braking distance and modified self-steering behaviour. Adapt driving style accordingly. Avoid abrupt steering or driving over obstacles, for example curbs, potholes etc.

As the possible driving distance largely depends on the strain on the vehicle during the journey, this can be shorter, or longer if the driving style is more careful, according to speed, road condition, outside temperature, load etc.

WARNING

A damaged tyre with run-flat properties with low or missing tyre inflation pressure will change the driving properties, for example reduced directional stability when braking, longer braking distance and modified self-steering behaviour. Danger of accidents.

Drive with care and do not exceed a speed of 80 km/h, 50 mph.◄

WARNING

Continuing to drive with a flat tyre can result in particularly heavy trailers starting to slalom. Danger of accident or damage to property.

When driving with a trailer and a flat tyre, do not exceed the speed of 60 km/h, approximately 35 mph.

In case of swaying or fishtailing motions, brake immediately and make the necessary steering corrections as carefully as possible.◄

Final tyre failure

Vibration or loud noises during the journey may be an indication that the tyre has finally failed.

Reduce your speed and stop the vehicle. Parts of the tyre could detach, which could lead to an accident.

Do not continue driving, but contact a Service Partner or a qualified specialist workshop.

Message with required tyre inflation pressure test

In such situations, a check control message is displayed:

- System has detected a wheel change, but no reset has been run.
- Filling was not performed according to the regulations.
- The tyre inflation pressure has dropped compared to the last confirmation.

If that is the case:

- Check the tyre pressure and adjust as necessary.
- Reset the system after a wheel change.

System limits

The system is not working correctly if no reset has been run, for example, a flat tyre is reported in spite of the correct tyre inflation pressure.

Tyre inflation pressure depends on the temperature of the tyre. By increasing tyre temperature, for example, when driving or with solar radiation, the tyre inflation pressure increases. Tyre inflation pressure decreases if the tyre temperature drops. Through this behaviour, a warning may be triggered if there are major temperature drops, due to the given warning limits.

No warning can be given by the system of extreme, sudden tyre failure caused by external factors.

Malfunction

The yellow warning lamp flashes and is then illuminated continuously. A Check Control message is shown. No flat tyres or loss of tyre pressure can be detected.

This may indicate one of the following:

- Wheel without TPM electronics is fitted: have the vehicle checked by a Service Partner or a qualified specialist workshop if necessary.
- Malfunction: have the system checked by a Service Partner or a qualified specialist workshop.
- TPM has not completed a reset. Run a reset of the system again.
- Fault due to systems or devices with the same frequency: the system is automatically reactivated upon leaving the field of interference.

Runflat indicator RPA

Principle

The system identifies a loss of tyre pressure by comparing the speeds of rotation of the individual wheels while the vehicle is in motion.

If a tyre loses pressure, its diameter changes. This in turn alters the rotational speed of the corresponding wheel. This is detected and reported as a flat tyre.

The system does not measure the tyre pressures as such.

Operating requirements

The system must have been initialised with correct tyre inflation pressure, otherwise reliable signalling of a flat tyre cannot be assured. Each time the tyre pressure is adjusted or a tyre or wheel is changed, initialise the system again.

Status display

The current status of the runflat indicator can be shown on the Control Display, for example whether the RPA is active.

1. "Vehicle information"
2. "Vehicle status"
3. "Flat Tyre Monitor (RPA)"

The status is displayed.

Initialising

On initialisation, the current tyre pressures are saved as a reference for detection of a flat tyre. The initialisation is started by confirming the correct tyre inflation pressures.

When driving with snow chains fitted, do not initialise the system.

On the Control Display:

1. "Vehicle information"
2. "Vehicle status"
3. "Perform reset"

4. Start the engine – do not drive off.
5. Start initialisation: "Perform reset".
6. Drive off.

Initialising is completed during the journey; this process can be interrupted at any time.

Initialising resumes automatically when you continue your journey.

Message of a flat tyre

The yellow warning lamp is illuminated. A Check Control message is shown.

There is a flat tyre or substantial loss of tyre pressure.

1. Reduce your speed and carefully stop the vehicle. Avoid violent or sudden braking and steering manoeuvres.
2. Check whether the vehicle is equipped with standard tyres or run-flat tyres.

   The symbol identifying run-flat tyres, see page 203, is the circle with the letters RSC on the tyre side wall.

WARNING

A damaged normal tyre with inadequate tyre inflation pressure or no tyre inflation pressure at all impairs driving properties, for example steering and braking. Tyres with run-flat properties allow a limited level of stability to be maintained. Danger of accidents. Do not continue to drive unless the vehicle is equipped with run-flat tyres. Comply with the notes on run-flat tyres and continuing to drive with these tyres.◄

It is possible that Dynamic Stability Control DSC is activated as soon as the message for a flat tyre appears.

System limits

A natural, even loss of tyre pressurein all four tyres that occurs over time is not detected. Consequently, check the tyre inflation pressure at regular intervals.

No warning can be given in the event of sudden tyre failure caused by external factors.

In the following situations, the system could be slow to respond or operate incorrectly:

- If the system has not been initialised.
- Journey on snow-covered or slippery surfaces.
- Dynamic driving style, causing the drive gears to spin, high lateral acceleration.
- Driving with snow chains.

What to do in the event of a flat tyre

Standard tyres

1. Identify the damaged tyre.

   Do this by checking the air pressure in all four tyres.

   The tyre inflation pressure display of the Mobility System, see page 204, can be used for this.

   If all four tyres are inflated to the correct pressures, the runflat indicator might not have been initialised. In this case initialise the system.

   If it is not possible to identify, contact a Service Partner or a qualified specialist workshop.
2. Fix the puncture with the Mobility System, see page 204.

Run-flat tyres

Top speed

If a tyre has punctured you can continue your journey, driving at speeds up to a maximum of 80 km/h, 50 mph.

Continuing a journey with a flat tyre

If you continue a journey with a flat tyre:

1. Avoid violent or sudden braking and steering manoeuvres.

2. Do not exceed a speed of 80 km/h, 50 mph any longer.
3. As soon as you get an opportunity, check the tyre pressure in all four tyres.

   If all four tyres are inflated to the correct pressures, the runflat indicator might not have been initialised. In this case initialise the system.

Maximum possible distance with tyres entirely deflated:

The possible driving distance with a flat tyre depends on the load and strain on the vehicle during the journey.

With a moderate vehicle load, it is possible to travel approximately 80 km, 50 miles.

During the journey driving with damaged tyres, the vehicle handling changes, for example quicker loss of traction when braking, longer braking distance and modified self-steering behaviour. Adapt driving style accordingly. Avoid abrupt steering or driving over obstacles, for example curbs, potholes etc.

As the possible driving distance largely depends on the strain on the vehicle during the journey, this can be shorter, or longer if the driving style is more careful, according to speed, road condition, outside temperature, load etc.

WARNING

A damaged tyre with run-flat properties with low or missing tyre inflation pressure will change the driving properties, for example reduced directional stability when braking, longer braking distance and modified self-steering behaviour. Danger of accidents.

Drive with care and do not exceed a speed of 80 km/h, 50 mph.◄

WARNING

Continuing to drive with a flat tyre can result in particularly heavy trailers starting to slalom. Danger of accident or damage to property.

When driving with a trailer and a flat tyre, do not exceed the speed of 60 km/h, approximately 35 mph.

In case of swaying or fishtailing motions, brake immediately and make the necessary steering corrections as carefully as possible.◄

Final tyre failure

Vibration or loud noises during the journey may be an indication that the tyre has finally failed.

Reduce your speed and stop the vehicle. Parts of the tyre could detach, which could lead to an accident.

Do not continue driving, but contact a Service Partner or a qualified specialist workshop.

Intelligent Safety

Principle

Intelligent Safety permits central operation of driver assistance systems. Depending on equipment, Intelligent Safety consists of one or more systems which can help to avoid the risk of a collision.

- Front-end collision with city braking function, see page 118.
- Person warning, see page 121.
- Lane departure warning, see page 123.

Notes

WARNING

Displays and warnings do not take your personal responsibility from you. System limitations can mean that warnings or system responses are not issued, are issued too late, or are issued incorrectly. Danger of accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

WARNING

Due to system limitations, there may be malfunctions of individual functions when tow-starting/towing with activated Intelligent Safety Systems, for example approach control warning with light braking function. Danger of accidents. Switch off all Intelligent Safety Systems before tow-starting/towing.◄

Overview

Button in the vehicle

Intelligent Safety button

Switching on/off

Several Intelligent Safety Systems are active automatically at the start of each journey. Several Intelligent Safety Systems are active depending on the last setting.

Press the button briefly:

- ▷ The menu for the Intelligent Safety Systems is shown. The systems are switched off individually depending on the individual setting.
- ▷ LED illuminates orange or goes out, depending on individual setting.

Press the button twice if necessary to switch off the front-end collision warning.

Settings are made. The individual settings are saved for the currently used profile.

Press the button again:

- ▷ All Intelligent Safety Systems are switched on.
- ▷ LED is illuminated green.

Press and hold down the button:

- ▷ All Intelligent Safety Systems are switched off.
- ▷ LED turns off.

Front-end collision warning with city braking function

Principle

The system can help avoid accidents. If an accident cannot be avoided, the system helps to reduce the collision speed.

The system warns of the possible risk of collision and brakes automatically, as necessary.

The automatic braking intervention is done with limited force and duration.

The system is controlled by a camera in the area of the rear-view mirror.

The front-end collision warning is also available if the Cruise Control is disabled.

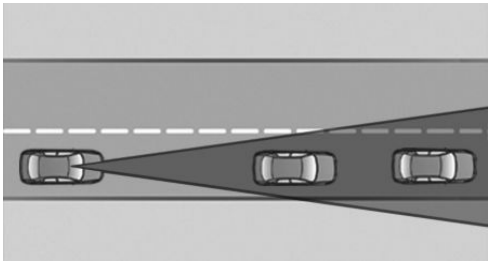
When deliberately approaching a vehicle, the approach control warning and braking intervention are activated later to avoid unjustified system responses.

General

The system will provide a warning from approximately 5 km/h, approximately 3 mph in two stages of any risk of collision with vehicles. The timing of these warnings may vary depending on the current driving situation.

Up to approximately 80 km/h, approximately 50 mph there may be brake intervention.

Detection range



Objects are taken into account if they are detected by the system.

Notes

WARNING

Displays and warnings do not take your personal responsibility from you. System limitations can mean that warnings or system responses are not issued, are issued too late, or are issued incorrectly. Danger of accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

WARNING

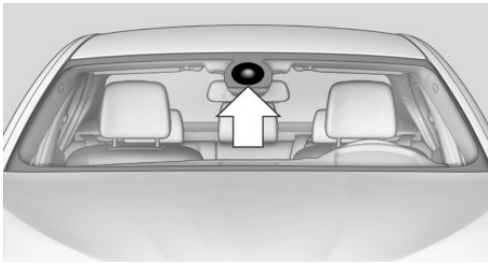
Due to system limitations, there may be malfunctions of individual functions when tow-starting/towing with activated Intelligent Safety Systems, for example approach control warning with light braking function. Danger of accidents. Switch off all Intelligent Safety Systems before tow-starting/towing.◄

Overview

Button in the vehicle

Intelligent Safety button

Camera



The camera is in the area of the base of the rear-view mirror.

Keep the windscreen clean and clear in the area in front of the rear view mirror.

Switching on/off

Automatic activation

The system is automatically activated at the start of each journey.

Switching on/off manually

Press the button briefly:

▷ The menu for the Intelligent Safety Systems is shown. The systems are switched off individually depending on the individual setting.

▷ LED illuminates orange or goes out, depending on individual setting.

Press the button twice if necessary to switch off the front-end collision warning.

Settings are made. The individual settings are saved for the currently used profile.

Press the button again:

▷ All Intelligent Safety Systems are switched on.

▷ LED is illuminated green.

Press and hold down the button:

▷ All Intelligent Safety Systems are switched off.

▷ LED turns off.

Setting warning time

The warning time can be set using iDrive.

1. "Settings"
2. "Collision warning"
3. Set the desired warning time on the Control Display.

The selected warning time is saved for the currently used profile.

Warning with braking function

Display

If there is a risk of collision with a detected vehicle, a warning symbol is shown in the instrument cluster and in the Head-Up Display.

Symbol	Measure
	Symbol illuminates red: advance warning. Increase braking and distance.
	Symbol flashes red and an acoustic signal sounds: acute warning. System indicates that you must brake and/or manoeuvre the vehicle yourself.

Advance warning

An advance warning is shown, for example if a danger of collision is anticipated or there is a very short distance to a vehicle ahead.

The driver must intervene personally if there is an advance warning.

Acute warning with braking function

An acute warning is shown in the event of an immediate collision if the vehicle approaches an object with relatively high differential speed.

The driver must intervene personally if there is an acute warning. If necessary, the driver is assisted by slight automatic brake intervention if there is a risk of collision.

An acute warning can be triggered even without a previous advance warning.

Brake intervention

The warning requires to take action yourself. Maximum braking force is used during a warning. In order for braking force support to be used, it is necessary for the brake to be pressed sufficiently quickly and powerfully. In addition, the system may also support with a small amount of braking if there is the risk of a collision. The vehicle can be braked at low speed until it comes to a stop.

Manual gearbox: When brakes are engaged until it comes to a stop, the engine may shut off.

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There will only be brake intervention if Dynamic Stability Control, DSC is activated.

Braking can be discontinued either by pressing the accelerator pedal or by actively moving the steering wheel.

Detection of objects can be restricted. Limitations of the detection range and functional restrictions are to be considered.

System limits

Detection range

The detection ability of the system is limited.

For this reason, system responses may be missing or delayed.

It is possible that the following are not detected:

- Slow-moving vehicle when approaching at high speed.
- Vehicles suddenly cutting in or decelerating heavily.
- Vehicles with unusual rear view.
- Two-wheeled vehicles ahead.

Restrictions of the function

The function can be restricted, for example in the following situations:

- In thick fog, rain, spray or snowfall.
- On sharp bends.
- When deactivating vehicle stability control systems, for example DSC OFF.
- If the field of view of the camera in the mirror is soiled or covered.
- Up to 10 seconds after starting the engine using the start/stop button.
- During the calibration process of the camera immediately after the vehicle is supplied.
- When there is sustained glare effect due to light opposite, for example the sun low in the sky.

Sensitivity of the warnings

The greater the sensitivity of the warning settings, for example warning time, the more warnings will be displayed. As a result, there may be an increased number of incorrect warnings.

Person warning with city braking function

Principle

The system can help to avoid accidents with pedestrians.

The system warns of the possible risk of collision with pedestrians in the urban speed area and also contains a braking function.

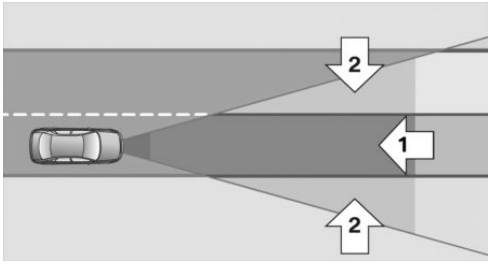
The system is controlled by the camera in the area of the rear-view mirror.

General

The system warns with sufficient brightness from approx. 10 km/h, approx. 6 mph up to approx. 60 km/h, approx. 35 mph of any risk of collision with pedestrians and supports this by briefly applying the brakes before a collision.

Here, persons are taken into account if they are located within the detection range of the system.

Detection range



The detection zone in front of the vehicle consists of two parts:

- Central zone, arrow 1, directly in front of the vehicle.
- Extended zone, arrow 2, at right and left.

There is a risk of collision if persons are in the central zone. A warning is only given of persons in the extended zone if they are moving in the direction of the central zone.

Notes

WARNING

Displays and warnings do not take your personal responsibility from you. System limitations can mean that warnings or system responses are not issued, are issued too late, or are issued incorrectly. Danger of accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

WARNING

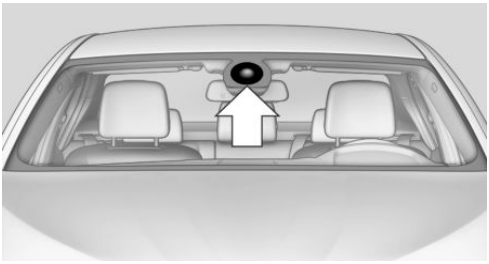
Due to system limitations, there may be malfunctions of individual functions when tow-starting/towing with activated Intelligent Safety Systems, for example approach control warning with light braking function. Danger of accidents. Switch off all Intelligent Safety Systems before tow-starting/towing.◄

Overview

Button in the vehicle

Intelligent Safety button

Camera



The camera is in the area of the base of the rear-view mirror.

Keep the windscreen clean and clear in the area in front of the rear view mirror.

Switching on/off

Automatic activation

The system is automatically activated at the start of each journey.

Switching on/off manually

Press the button briefly:

- The menu for the Intelligent Safety Systems is shown. The systems are switched off individually depending on the individual setting.
- LED illuminates orange or goes out, depending on individual setting.

Press the button twice if necessary to switch off the front-end collision warning.

Settings are made. The individual settings are saved for the currently used profile.

Press the button again:

- All Intelligent Safety Systems are switched on.
- LED is illuminated green.

Press and hold down the button:

- All Intelligent Safety Systems are switched off.

▷ LED turns off.

Warning with braking function

Display

If there is a risk of collision with a detected person, a warning symbol is shown in the instrument cluster and in the head-up display.

Red symbol is displayed and an acoustic warning sounds.

Take action yourself immediately, by braking or swerving.

Brake intervention

The warning requires to take action yourself. Maximum braking force is used during a warning. In order for braking force support to be used, it is necessary for the brake to be pressed sufficiently quickly and powerfully. In addition, the system may also support with a small amount of braking if there is the risk of a collision. The vehicle can be braked at low speed until it comes to a stop.

Manual gearbox: When brakes are engaged until it comes to a stop, the engine may shut off.

There will only be brake intervention if Dynamic Stability Control, DSC is activated.

Braking can be discontinued either by pressing the accelerator pedal or by actively moving the steering wheel.

Detection of objects can be restricted. Limitations of the detection range and functional restrictions are to be considered.

System limits

Detection range

The detection capacity of the camera is limited.

This is why it can occur that no warnings are issued or they are issued late.

It is possible that the following are not detected:

▷ Partially concealed pedestrians.

▷ Pedestrians who are not detected as such because of the viewing angle or contour.

▷ Pedestrians outside the detection range.

▷ Pedestrians under a height of approximately 80 cm, 32 in.

Restrictions of the function

The function may be restricted or not available in the following situations, for example:

The function may be available on a limited basis in the following situations, for example:

▷ In thick fog, rain, spray or snowfall.

▷ On sharp bends.

▷ When deactivating vehicle stability control systems, for example DSC OFF.

▷ If the field of view of the camera and/or the windscreen is dirty or covered.

▷ Up to 10 seconds after starting the engine using the start/stop button.

▷ During the calibration process of the camera immediately after the vehicle is supplied.

▷ When there is sustained glare effect due to light opposite, for example the sun low in the sky.

▷ In the dark.

Lane departure warning

Principle

This system warns if the vehicle leaves the lane, when the vehicle is on roads with lane markings and travelling above a given speed. Depending on country version, this speed is between 55 km/h, approximately 35 mph and 70 km/h, approximately 45 mph.

When there are warnings, the steering wheel starts to vibrate slightly. The timing of this

warning may vary depending on the current driving situation.

The system does not issue a warning if the driver indicates before leaving the driving lane.

Information

WARNING

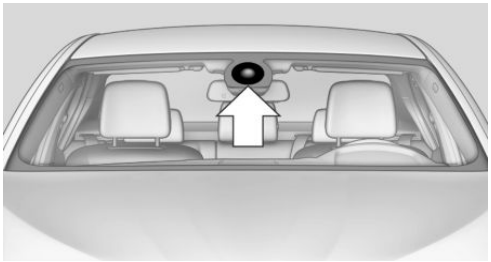
The system does not take your personal responsibility from you when you are estimating the course of the road and traffic situation. Danger of accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it. Do not move the steering wheel with unnecessary force in case of warnings.◄

Overview

Button in the vehicle

Intelligent Safety button

Camera



The camera is in the area of the base of the rear-view mirror.

Keep the windscreen clean and clear in the area in front of the rear view mirror.

Switching on/off

Automatic activation

The Lane Departure Warning is reactivated automatically at the start of a journey if the function was switched on during the last period when the engine was stopped.

Switching on/off manually

Press the button briefly:

- The menu for the Intelligent Safety Systems is shown. The systems are switched off individually depending on the individual setting.
- LED illuminates orange or goes out, depending on individual setting.

Press the button twice if necessary to switch off the front-end collision warning.

Settings are made. The individual settings are saved for the currently used profile.

Press the button again:

- All Intelligent Safety Systems are switched on.
- LED is illuminated green.

Press and hold down the button:

- All Intelligent Safety Systems are switched off.
- LED turns off.

Display in the instrument cluster

- Lines: the system is activated.
- Arrows: at least one lane boundary line has been detected and warnings can be issued.

Output of the warning

If the vehicle leaves the driving lane and a lane marking is detected, the steering wheel starts to vibrate.

If the turn indicator is set before changing lanes, no warning is issued.

Cancellation of the warning

The warning is interrupted in the following situations:

- Automatically after approximately 3 seconds.
- On returning to the correct lane.
- With strong braking.
- On indicating.

System limits

The function can be restricted, for example in the following situations:

- In thick fog and heavy rain or snow.
- With missing, worn, poorly visible, merging/separating or ambiguous boundary lines, for example in areas where there are road works.
- If boundary lines are covered by snow, ice, dirt or water.
- On sharp bends or narrow roads.
- If the boundary lines are not white.
- If boundary lines are obscured.
- If the vehicle is moving too close to the vehicle ahead.
- With bright oncoming light.
- When the windscreen in front of the rearview mirror is covered with condensation, dirt, stickers, labels, etc.
- During the calibration process of the camera immediately after the vehicle is supplied.

Manual speed limiter

Principle

With the system, the speed can be restricted from a value of 30 km/h/20 mph. There are no restrictions below the set speed limit.

Exceeding the speed limit

In particular situations the speed limit can be deliberately exceeded by accelerating strongly.

The system gives a warning if the travelling speed exceeds the set speed limit.

No brake intervention

If the set speed limit has been reached or unintentionally exceeded (for example driving downhill) there is no brake intervention.

If you set a speed limit during the journey which is below the current speed, the vehicle rolls until the driving speed drops below the speed limit.

Overview

Buttons on the steering wheel

Press the button	Function
LIM	Switching system on/off, see page 125
	Rocker switch: Change speed limit, see page 126

Controls

Switching on

LIM Press the button on the steering wheel.

The current speed is assumed as the speed limit.

When switching on when at a standstill 30 km/h/20 mph is set as the speed limit.

The speedometer marker is set to the corresponding speed.

When activating the speed limit it is possible that Dynamic Stability Control DSC is activated and the drive mode is changed to COMFORT.

Switching off

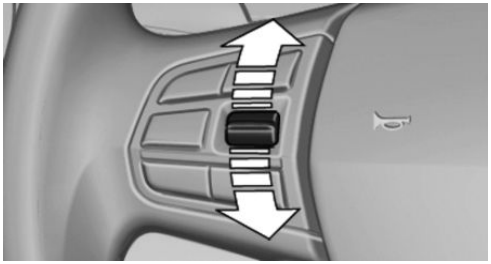
LIM Press the button on the steering wheel.

For example, the system is also deactivated in the following situations:

- When engaging reverse gear.
- When switching the engine off.
- When switching on Cruise Control.
- When activating some programs using the drive experience switch.

The indicators turn off.

Change speed limit



Press the rocker switch repeatedly upwards or downwards until the desired speed limit is set.

- Every time the rocker switch is pressed to the resistance point, the speed limit is increased or decreased by approximately 1 km/h, approximately 1 mph.
- Each time the rocker switch is pressed beyond the resistance point, the speed limit is increased or decreased to the next multiple of 10 km/h on the speedometer display.

If you set a speed limit during the journey which is below the current speed, the vehicle rolls until the driving speed drops below the speed limit.

Exceeding the speed limit

You may intentionally exceed the speed limit. There is no acoustic warning in such a case.

To intentionally exceed the set speed limit, completely depress the accelerator pedal.

If the speed drops below the set speed limit, it is automatically reactivated.

Warning

Visual warning

LIM The indicator light in the instrument cluster flashes if the set speed limit is exceeded for as long as you exceed the set speed limit.

Acoustic warning

- If you unintentionally exceed the set speed limit, you will hear an acoustic warning after approximately five seconds.
- If the speed limit is reduced to below the current speed during the journey, the warning sounds after approximately 30 seconds.
- If you intentionally exceed the speed limit by fully depressing the accelerator pedal, no warning is given.

Displays in the instrument cluster

Marking of the speed limit

Display in the speedometer:

- Marker illuminates green: the system is active.
- Marker does not illuminate: the system is inactive.

Indicator light

LIM

- If the indicator light is illuminated: the system is switched on.
- If the indicator light is flashing: set speed limit is exceeded.

Brief status display

LIMIT 90 Set speed limit briefly appears.

Speed Limit Assist

Principle

If the Speed Limit Information, see page 93, system detects a change in the speed limit on the route, this new speed value will be suggested for acceptance. The value can be accepted by pressing the left rocker switch on the steering wheel.

Functional requirements

- Speed Limit Information is switched on.
- Adjustable speed limit is switched on.
- Speed Limit Assist is switched on.

Switching on/off

1. "Settings"
2. "Speed Limit Assist"
3. "Speed Limit Assist"

Using Speed Limit Assist

If the Speed Limit Information system detects a change in the speed limit on the route, a message will be displayed in the instrument cluster.

The message indicates the following:

- Symbol of the steering wheel rocker switch with arrow for the direction, in which the rocker switch should be pressed to accept the new speed.
- LIMIT ASSIST with suggested speed value, including adjusted speed adaptation, see page 127.
- Symbol for the detected speed limit.

To accept the new speed limit, briefly press the left rocker switch on the steering wheel up or down, according to the direction of the green arrow. The new speed is accepted.

Speed adaptation

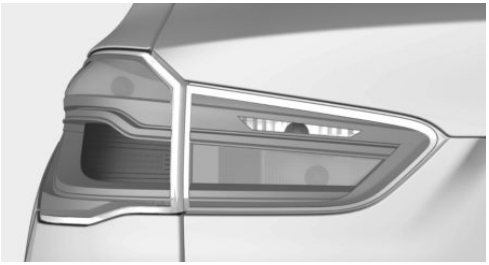
It is possible to set whether the speed limit should be accepted exactly, or with a tolerance of –10 km/h, –5 mph to +10 km/h, +5 mph.

Adjusting

1. "Settings"
2. "Speed Limit Assist"
3. "Adjust maximum speed:"
4. Set the desired value.

Dynamic brake lights

Principle



- Normal braking: brake lights illuminate.
- Severe braking: brake lights flash.

Shortly before the vehicle comes to a standstill, the hazard warning lights are activated.

Deactivating the hazard warning lights:

- Accelerating.
- Press the hazard warning lights button.

Attentiveness assistant

Principle

The system can detect increasing inattentiveness or tiring of the driver on long monotonous drives, for example on motorways. In this situation, it is recommended that you take a break.

Note

WARNING

The system does not take your personal responsibility from you when you are estimating your physical condition. Increasing inattention or fatigue might not be detected, or not in good time. Danger of accidents. Make sure that the drive is rested and alert. Adapt driving style to the driving conditions.◀

Function

The system is switched on every time the engine is started and cannot be switched off.

After the start of the drive, the system is adapted to the driver so that an increase in inattention or fatigue can be detected.

This process considers the following criteria:

- Personal driving style, for example, steering.
- Drive conditions, for example, time of day, duration of drive.

The system is active from approximately. 70 km/h, 43 mph and can display a recommendation to take a break

Recommendation to take a break

With increasing inattention or tiredness of the driver, an instruction is shown on the control display with the recommendation to take a break.

A recommendation to take a break will only be displayed once during an uninterrupted trip.

After a break, at the earliest another break recommendation may be displayed after approximately 45 minutes.

System limits

The function may be restricted in situations such as the following and no warning or a wrong one is triggered:

- If the time is wrongly set.
- If the speed driven falls considerably below 70 km/h, 43 mph.
- For sporty driving style, for example, with heavy acceleration or fast cornering.
- In active drive situations, for example, frequent lane change.
- With bad road conditions.
- With high side-wind.

PostCrash

The system can automatically bring the vehicle to a standstill in certain accident situations without the involvement of the driver. The risk

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of a further collision and its consequences can thereby be reduced.

By depressing the brake pedal, the vehicle can be decelerated much faster. The automatic braking is interrupted as a result. By pressing the accelerator pedal, automatic braking is also interrupted.

After reaching a standstill, the brake is automatically triggered. Then secure the vehicle against rolling away.

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Driving stability control systems

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Anti-lock Brake System, ABS

ABS prevents the wheels from locking when the brakes are applied.

Steering control is retained even in the event of full braking, enhancing active road safety.

ABS is ready to operate each time the engine is started.

Brake assist

When brake is pressed quickly, this system automatically applies maximum braking power assistance. With full braking, this keeps the braking distance as short as possible. It also makes full use of the advantages offered by ABS.

Maintain pressure on the brake during the entire brake application.

Automatic Differential Brake

The system controls the drive force of individual wheels using automatic braking intervention. The function corresponds to a differential lock: the system detects if a wheel begins to spin, for example on loose ground and automatically brakes this.

The drive force is diverted to the wheel with better traction.

In so doing, when accelerating the engine force is more efficiently transmitted to the wheels.

Dynamic Stability Control, DSC

Principle

DSC prevents the driven wheels losing traction when you pull away from rest or accelerate.

DSC is also able to detect unstable driving conditions such as loss of traction at the rear or vehicle slip over the front wheels. DSC reduces engine output and applies the brakes at individual wheels, helping, within the limits imposed by the laws of physics, to keep the vehicle safely on course.

Note

Adapt the driving style to the situation as it is always the driver's responsibility to adapt a suitable driving style.

Not even DSC can overcome the laws of physics.

Do not limit the additional safety afforded by this system by taking driving risks.

WARNING

When driving with a roof load, for example with a roof rack, the higher centre of gravity can mean that driving safety is no longer guaranteed in critical driving situations. Danger of accident or damage to property. Do not deactivate Dynamic Stability Control DSC when driving with a roof load.◄

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Overview

Button in the vehicle

DSC OFF button

Indicator and warning lights

If indicator light is flashing: DSC is regulating the acceleration and braking forces.

If indicator light is illuminated: DSC has failed.

Deactivating DSC: DSC OFF

General

Driving stability during acceleration and cornering is restricted if DSC is deactivated.

To support the driving stability, re-activate DSC as soon as possible.

Deactivating DSC

Press and hold down the button – but for no longer than approximately 10 seconds – until the DSC OFF indicator light in the instrument cluster is illuminated and DSC OFF is displayed.

The DSC system is switched off.

Activating DSC

Press the button.

The DSC OFF and DSC OFF indicator lights are not illuminated.

Indicator and warning lights

DSC OFF is displayed in the instrument cluster when DSC is deactivated.

If indicator light is illuminated: DSC is deactivated.

Automatic activation

With DSC deactivated, there is automatic activation in the following situations:

- In the event of a flat tyre.
- When activating Cruise Control in TRACTION or DSC OFF mode.

Dynamic Traction Control, DTC

Principle

The DTC system is a variant of the DSC optimised for forward momentum.

In particular road conditions, for example roads on which snow has not been cleared or unconsolidated ground, system ensures maximum forward momentum but limited driving stability.

Maximum traction is available when Dynamic Traction Control DTC is activated. Driving stability is limited on accelerating and cornering.

Therefore, drive with the appropriate caution.

In the following exceptional situations it may be best to activate DTC for a short time:

- When driving in slush or on uncleared, snow-covered roads.
- If the vehicle has to be rocked out of or started in deep snow or on a loose surface.
- Driving with snow chains.

Deactivating/activating Dynamic Traction Control, DTC

Activating DTC

Press the button.

TRACTION is displayed in the instrument cluster and the DSC OFF indicator light is illuminated.

Deactivating DTC

Press the button again.

TRACTION and the DSC OFF indicator light no longer illuminate.

Performance Control

Performance Control increases the agility of the vehicle.

To increase manoeuvrability, with a correspondingly sporty driving style, wheels are braked individually. The resulting braking power is simultaneously largely compensated by an engine intervention.

xDrive

xDrive is the four-wheel drive system available in your vehicle. The combination of xDrive and DSC further optimises traction and driving dynamics. The xDrive four-wheel drive system distributes the acceleration forces variably to the front and rear axles based on the driving situation and the condition of the road.

Hill Descent Control HDC

Principle

The Hill Descent Control function automatically regulates the speed when driving along steep inclines. The vehicle moves at a speed approximately more than walking speed, without the driver braking.

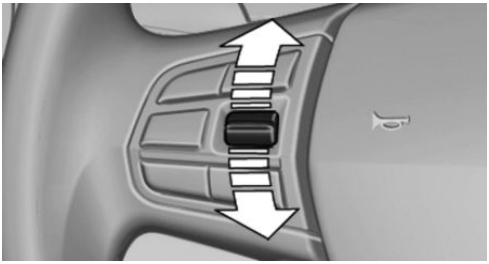
HDC can be activated under approximately 35 km/h, approximately 22 mph. When driving downhill, the vehicle reduces the speed to approximately walking speed and holds this as the constant speed.

While the brakes are pressed manually, the system switches to standby. As a result, system braking does not take place.

Only use HDC in low gears or in selector lever position D or R.

Increasing or reducing speed

Using the rocker switch for Cruise Control on the steering wheel, set a speed of between approximately 6 km/h, 4 mph to approximately 25 km/h, 15 mph. The speed of the vehicle can be changed by slightly pressing on the gas.



- Press the rocker switch upwards until the resistance point is reached: the speed is increased in increments.
- Press the paddle upwards beyond the resistance point: the speed continues to increase as long as the rocker switch is pressed.
- Press the rocker switch downwards until the resistance point is reached: the speed is decreased in increments.
- Press the rocker switch downwards until the resistance point is reached: when driving forwards, the speed is reduced to approximately 10 km/h, 6 mph. When driving

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backwards, it is reduced to approximately 6 km/h, 4 mph.

Activating HDC

Press the button. The LED above the button is illuminated.

Deactivating HDC

Press the button again. The LED turns off. HDC is automatically deactivated at speeds above approximately 60 km/h, 37 mph.

Display in the instrument cluster

The speedometer shows the selected set speed.

- ▷ Green: the system brakes the vehicle.
- ▷ Orange: system in standby.

Malfunction

A message will appear on the instrument cluster. HDC is not available, for example due to a high brake temperature.

Dynamic Damper Control

Principle

Suspension set-up can be changed using the system.

Programs

The system provides different programs.

The progams can be selected via the Drive experience, see page 134.

SPORT

Resolute sports configuration of the shock absorbers for greater agility when driving.

COMFORT/ECO PRO

Balanced shock absorber set-up for greater comfort.

Servotronic

Principle

The Servotronic varies the steering force required when steering, depending on the speed. At low speeds the steering force is heavily supported, in other words a slight force is needed when steering With increasing speed the support for the steering force is reduced.

In addition, steering force is adapted according to drive program, giving a sporty/direct or comfortable steering response.

Variable sports steering

The variable sports steering amplifies the steering angle of the front wheels when the steering wheel is fully turned, for example in tight bends or when parking. The steering becomes more direct.

It also varies the force required when steering, depending on the speed.

This enables a sports-oriented steering response. In addition, steering is made easier during parking and manoeuvring.

Drive experience switch

Principle

With the drive experience switch, certain properties of the vehicle can be adjusted. Various programs can be selected for this.

Overview

Button in the vehicle

Operation of the programs

Press the button	Program
	SPORT COMFORT ECO PRO

SPORT

Resolute sports configuration of the steering and engine control for greater agility when driving.

With corresponding equipment, suspension set-up additionally changes and SPORT can be individually configured.

The configuration is saved for the currently used profile.

Activating SPORT

Press button until SPORT is displayed in the instrument cluster.

Configuring SPORT

If display on Control Display is activated, SPORT can be configured individually.

1. Activating SPORT.
2. Select "Configure SPORT".
3. Configure the program.

SPORT can also be configured before it is activated:

1. "Settings"
2. "Driving mode"
3. "Configure SPORT"

This configuration is called up when SPORT is activated.

COMFORT

For balanced tuning.

Activating COMFORT

Press button until COMFORT is displayed in the instrument cluster.

ECO PRO

ECO PRO, see page 190, offers a consistent tuning for reducing consumption, in order to achieve maximum range.

Activate ECO PRO

Press the button until ECO PRO is displayed in the instrument cluster.

Configuring ECO PRO

Via driver experience switch

1. Activate ECO PRO.
2. "Configure ECO PRO"
3. Configure the program.

This configuration is called up when ECO PRO is activated.

Via iDrive

1. "Settings"
2. "ECO PRO mode"

or

1. "Settings"
2. "Driving mode"
3. "Configure ECO PRO"

Configure the program.

This configuration is called up when ECO PRO is activated.

Displays

Program selection

On pushing the button, a list of programs that can be selected is displayed. Depending on equipment, the list in the instrument cluster may differ from what is displayed.

Selected program

The selected program is shown in the instrument cluster.

Display on the Control Display

Program changes can be displayed on the Control Display.

1. "Settings"
2. "Control display"
3. "Driving mode info"

Drive-off assistant

The system provides support when driving off on upward inclines. It is not necessary to use the parking brake for this.

1. Hold the vehicle in place by pressing the foot brake.
2. Release the foot brake and drive off without delay.

The vehicle is held for approximately 2 seconds after the foot brake has been released.

The possible holding duration is 2 minutes, given corresponding equipment.

Depending on the vehicle's load or when towing a trailer, the vehicle may roll backwards a little.

Driving comfort

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Camera-based Cruise Control with stop & go function, ACC

Principle

This system can be used to select a desired speed which the vehicle automatically maintains when the road ahead of you is clear.

Within the limits of its capability, the system automatically adapts the vehicle's speed to that of a slower vehicle in front of you.

A camera on the rear-view mirror is used to detect a vehicle in front.

You can vary the distance maintained by the system between your vehicle and the vehicle in front.

It is dependent on speed for safety reasons.

To maintain distance, the system automatically decelerates, brakes slightly if necessary, and accelerates again when the vehicle in front of you starts to move more quickly.

If the vehicle ahead brakes to a standstill, and sets off again within a short time, the system can comprehend this within the given framework. Your own vehicle is braked and accelerated again automatically.

When vehicle ahead drives off again after some time, briefly press accelerator pedal or press corresponding button to reactivate system. Vehicle is accelerated again.

As soon as the road in front of you is clear, the vehicle accelerates to your desired speed.

This speed will also be maintained on downhill slopes, but may be under-run on uphill slopes if engine output is insufficient.

General

Characteristics of Cruise Control may change in certain areas depending on vehicle setting.

Notes

WARNING

The system does not take your personal responsibility from you when you are estimating the traffic situation. Due to limits of the system, it cannot respond independently in a reasonable way in all traffic conditions. Danger of accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

WARNING

An unsecured vehicle can start moving and rolling away. Danger of accidents. Before leaving the vehicle, secure it to prevent rolling away.

Observe the following to ensure that the vehicle is secured against rolling away:

- Engage the parking brake.
- Turn the front wheels into the direction of the kerb on upward or downward gradients.
- Additionally secure the vehicle on upward or downward gradients, e.g. using a wedge.◄

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Overview

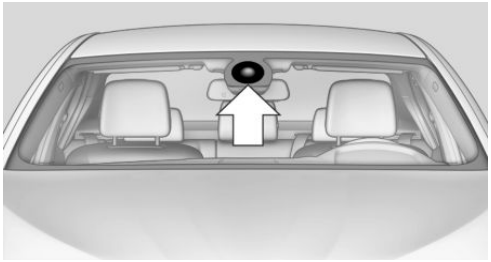
Buttons on the steering wheel

Press the button	Function
	Cruise Control on/off, interrupt, see page 137.
	Resume speed, see page 139.
	Reduce distance, see page 139.
	Increase distance, see page 139.
	With queue assistant: set distance, see page 142.
	Rocker switch. Change/maintain speed, see page 138.
	With traffic-queue assistant: traffic-queue assistant on/off, see page 142.

The arrangement of buttons varies depending on equipment or country version.

Camera

A camera is used for vehicle detection.



The camera is in the area of the base of the rear-view mirror.

Keep the windscreen clean and clear in the area in front of the rear-view mirror.

Switching the Cruise Control on/off and interrupting

Switching on

 Press the button on the steering wheel.

Indicator lights are illuminated in the instrument cluster and the speedometer marker is set to the current speed.

Cruise Control can be used.

If necessary, Dynamic Stability Control DSC will be switched on.

Switching off

When switching off with the vehicle at a standstill, press the brake at the same time.

 Press the button on the steering wheel.

- When activated: press twice.
- When interrupted: press once.

The indicators turn off. The saved desired speed is deleted.

Interrupting

 Press the button on the steering wheel.

If you interrupt when the vehicle is at a standstill, press the brake at the same time.

The system interrupts automatically in the following situations:

- If the brake is applied.
- If selector lever position D is disengaged.
- If Dynamic Traction Control DTC is activated.
- If DSC intervenes.

- If the vehicle is stationary and the seat belt and driver's door are opened.
- If the detection zone of the camera is disrupted, for example, due to dirt, heavy rainfall or dazzling by the sun.
- After an extended stationary period, if the vehicle was decelerated by the system to a standstill.

Maintaining, saving, changing speed

Notes

WARNING

The desired speed can be inadvertently set incorrectly or called up. Danger of accidents. Adapt the desired speed to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

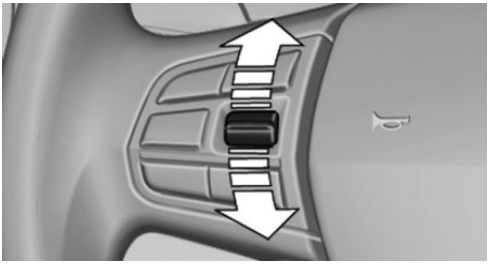
WARNING

Danger of accident due to excessive speed differences compared to other vehicles, for example in the following situations:

- Quickly approaching a slowly moving vehicle.
- Another vehicle suddenly veering into the vehicle's own lane.
- Quickly approaching stationary vehicles.

Danger of injury or life. Observe the traffic situation and intervene actively if the situation warrants it.◄

Maintaining speed, saving



During the interruption, press the rocker switch.

With the system switched on, the driven speed is maintained and saved as the desired speed.

This is shown in the speedometer and briefly in the instrument cluster, see page 140.

If necessary, Dynamic Stability Control DSC will be switched on.

Changing speed

Press the rocker switch repeatedly upwards or downwards until the desired speed is set.

With the system active, the speed that is then shown is set and will be achieved on a clear road.

- Each time the rocker switch is pressed up to the resistance point, the desired speed is increased or decreased by approximately 1 km/h, 1 mph.
- Each time the rocker switch is pressed beyond the resistance point, the desired speed is increased or decreased to the next multiple of 10 km/h on the speedometer display.

Hold the rocker switch in one position to repeat the corresponding action.

Distance

WARNING

The system does not take your personal responsibility from you. Braking may be performed too late because of system limitations.

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Danger of accident or damage to property. Observe the traffic conditions attentively at all times. Adapt the distance to traffic and weather conditions, and comply with the prescribed safe distance by braking if necessary.◄

Reducing distance

Press button repeatedly until the desired distance is set.

The set distance is briefly displayed in the instrument cluster.

Increasing distance

Press button repeatedly until the desired distance is set.

The set distance is briefly displayed in the instrument cluster.

With queue assistant: set distance

Press button repeatedly until the desired distance is set.

The set distance is briefly displayed in the instrument cluster.

Recalling the desired speed and distance

During the journey

With the system interrupted, press the button. The control of the desired speed and distance is continued with the saved values. Selected speed is briefly displayed on Info Display.

The saved speed value is deleted and can no longer be called up in the following instances:

- When the system is switched off.
- When the ignition is switched off.

When the vehicle is at a standstill

The vehicle was braked to a complete stop by the system:

- Green marker in the speedometer:

  Your own vehicle automatically accelerates as soon as the vehicle travels out of the range of the camera.
- Marker in the speedometer changes to orange: no automatic driving away.

  To accelerate automatically to desired speed, briefly press accelerator pedal or press RES button.

Rolling bars in distance display show that vehicle has driven away in detection range of camera.

The system was interrupted or your vehicle has been actively braked to a standstill by pressing the brake and is now behind another vehicle:

1. 

Press the button to call up a saved desired speed.
2. Release the brake.
3. Briefly depress accelerator pedal, press RES button or rocker switch when vehicle ahead of you drives off.

Switching between Cruise Control with/without distance control

WARNING

The system does not react to traffic travelling in front of you, but maintains the saved speed. Danger of accident or damage to property. Adapt the desired speed to the driving conditions and brake if necessary.◄

Switching to Cruise Control without distance control:

Press and hold the button or

Press and hold the button.

With queue assistant: press and hold the button.

The indicator light in the instrument cluster is illuminated.

To switch back to Cruise Control with distance control, press button again briefly.

A Check Control message is displayed after switching.

Displays in the instrument cluster

Desired speed

- Marker illuminates green: the system is active.
- Marker illuminates orange: the system is interrupted.
- Marker does not illuminate: the system is inactive.

Brief status display

Selected desired speed.

If no speed is displayed, the conditions required for operation may not be fulfilled at the moment.

Vehicle distance

The selected distance to the vehicle ahead is displayed.

Distance indicator	
	Distance 1
	Distance 2
	Distance 3 Automatically set after switching on the system. Corresponds to approximately half of the value in the speedometer display, expressed in metres.
	Distance 4 Rolling bars: the detected vehicle has driven off. ACC does not continue to accelerate. To continue to accelerate, activate ACC by briefly accelerating, RES button or rocker switch.

Indicator and warning lamps

Symbol illuminates orange:

Preceding vehicle detected.

Symbol flashes orange:

The requirements for operation of the system are no longer being met.

The system was deactivated but will continue to brake until you actively take over by depressing the brake or the accelerator pedal.

Symbol flashes red and an acoustic signal sounds:

System indicates that you must brake and/or manoeuvre the vehicle yourself.

System interrupted or distance control briefly disabled because the accelerator pedal is pressed although a vehicle is not detected.

Distance control briefly suppressed because the accelerator pedal is pressed while a vehicle is detected.

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Displays on the Head-Up Display

Some information from the system can also be shown on Head-Up Display.

System limits

Speed range

The system can also be activated when the vehicle is at a standstill.

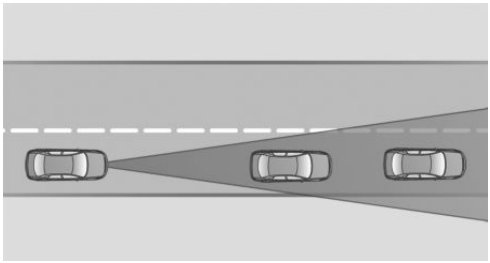
The optimum area of use is on well-constructed roads.

Desired speed can be selected between 30 km/h/20 mph and 140 km/h/85 mph.

When you use the system, comply with the legally prescribed maximum road speed.

After toggling the Cruise Control without distance control, even higher desired speeds can be selected.

Detection range



The detection capability of the system and automatic braking capacity are limited.

For example, two-wheeled vehicles may not be detected.

WARNING

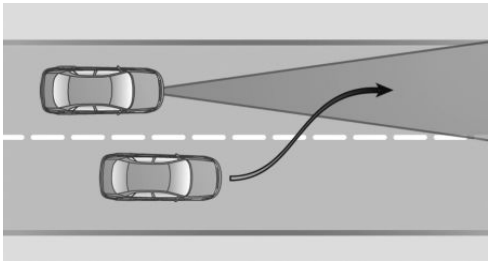
The system does not take your personal responsibility from you when you are estimating the traffic situation. Due to limits of the system, it cannot respond independently in a reasonable way in all traffic conditions. Danger of accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

Deceleration

The system does not decelerate in the following situations:

- Pedestrians, cyclists or similar slow road users.
- Red traffic lights.
- Crossing traffic.
- Oncoming traffic.
- Unlit vehicles or vehicles with faulty lighting at night.

Vehicles pulling out



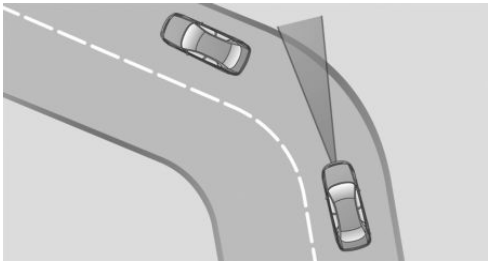
A vehicle driving ahead of you is only detected when it is fully in your driving lane.

If another vehicle suddenly pulls out in front of you, the system might not be able to re-establish the selected distance of its own accord. The same applies when you are driving significantly faster than the vehicle in front of you, for example when you are rapidly approaching a lorry. If a vehicle is clearly detected in front of you, the system requires that you intervene by braking, and if necessary by taking evasive action.

WARNING

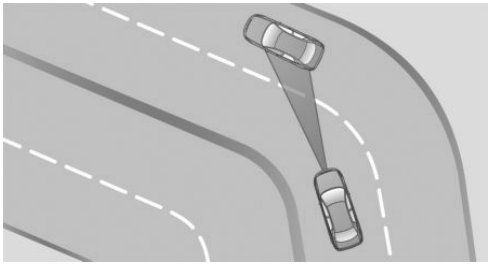
The system does not take your personal responsibility from you when you are estimating the traffic situation. Due to limits of the system, it cannot respond independently in a reasonable way in all traffic conditions. Danger of accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

Cornering



If the desired speed is too high for cornering, it will be reduced slightly in the corner. However, the system does not detect corners in advance. For this reason, moderate your speed when cornering.

Due to the system's limited detection range, tight bends may lead to vehicles ahead being detected only later or not at all.



When your vehicle is approaching a bend, the angle of the bend may cause the system to respond temporarily to vehicles in the other lane. A possible reduction in the vehicle's speed by the system can be compensated for by briefly accelerating. When the accelerator pedal is released again, the system will resume control of the vehicle's speed.

Starting

Vehicle cannot drive off automatic in following situations, for example:

- On steep upward inclines.
- Before bumps in the road.
- When towing a heavy trailer.

In such cases, press accelerator pedal.

Weather

In unfavourable weather or light conditions, for example during rain, snow, slush, fog or oncoming glare, detection of vehicles may deteriorate and there may be brief interruptions of already detected vehicles. Pay attention when driving and respond to the prevailing traffic conditions. If necessary, intervene actively, e.g. by braking, steering or manoeuvring.

Malfunction

A Check Control message is displayed if the system has failed or has been automatically deactivated.

The function can be restricted, for example in the following situations:

- If an object has not been correctly detected.
- In thick fog, rain, spray or snowfall.
- On sharp bends.
- If the field of view of the camera and/or the windscreen is dirty or covered.
- With bright oncoming light.
- Up to 20 seconds after starting the engine using the start/stop button.
- During the calibration process of the camera immediately after the vehicle is supplied.

Queue assistant

Principle

In queue situations, the system controls the speed, steers automatically and stops the vehicle in the lane, as required.

Within the limits of its capability, the system automatically adapts the vehicle's speed to that of a vehicle in front of you. You can vary the distance maintained by the system between your vehicle and the vehicle in front. It is

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dependent on speed for safety reasons. To maintain distance, the system automatically reduces speed, brakes slightly if necessary, and accelerates again when the vehicle in front of you starts to move more quickly.

If the vehicle ahead brakes to a standstill, and sets off again within a short time, the system can comprehend this within the given framework. Your own vehicle is braked and accelerated again automatically.

With known lane limits, the system keeps the vehicle in the lane. To do this, the system may steer automatically, for example when cornering.

General

The queue assistant determines speed and distance from the vehicle in front, using a radar sensor and the position of the lane demarcation using a camera.

Sensors on the steering wheel detect whether the steering wheel is being touched.

The system is deactivated as soon as the steering wheel is no longer touched.

To be able to use the queue assistant, grasp the steering wheel.

When driving with gloves or protective covers attached, the contact with the steering wheel is not detectable to the sensors. In those circumstances, the system can possibly not be used.

Notes

WARNING

The system does not take your personal responsibility from you when you are estimating the traffic situation. Due to limits of the system, it cannot respond independently in a reasonable way in all traffic conditions. Danger of accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

Functional requirements

- Driving on an approved type of road. The data on this is laid down in the navigation system. Approved types of road are motorways or roads like motorways.
- Sufficient driving lane width.
- Tracking limit on both sides is detected.
- Preceding vehicle is detected.
- Speed under 60 km/h/35 mph.
- Hands on the steering wheel.
- Sufficient turning radius.
- Driving in the centre of the lane.

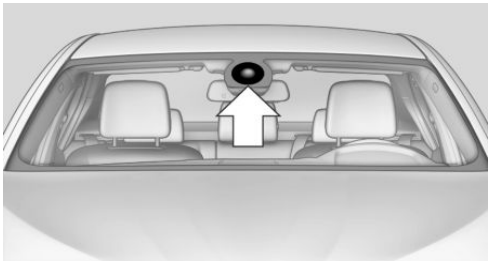
Overview

Buttons on the steering wheel

Press the button	Function
	Traffic-queue assistant on/off, see page 144.
	Interrupt traffic-queue assistant, see page 144.
	Rocker switch: Hold, save, change speed, see page 138.
	Resume speed, see page 139.
	Set distance, see page 138.

Camera

A camera is used for vehicle detection.



The camera is in the area of the base of the rear-view mirror.

Keep the windscreen clean and clear in the area in front of the rear-view mirror.

Switching on/off and interrupting

Switching on

Press the button.

- Prepare the system: press once.
- Activating system:

  With ACC not activated: press rocker switch or RES button.

  With ACC activated: system is ready.

  Driving in the centre of the lane.

  The system is automatically activated below 60 km/h/35 mph.

With ACC not activated: indicator light in the instrument panel is illuminated.

With ACC activated: indicator light in the instrument panel is illuminated.

Queue assistant can be used.

With the queue assistant switched on, the person warning is active. The setting in the Control Display remains unchanged.

Switching off

Press the button.

The display is no longer illuminated. Set desired speed and distance continue to be held by ACC.

The system does not make any steering movement.

Interrupting

When the system is activated, press the button.

The system interrupts automatically in the following situations:

- If the brake is applied.
- At a speed above 60 km/h/35 mph.
- With only one detected lane marking.
- When leaving the motorway or roads like motorways.
- When releasing the steering wheel.
- Intervention in the steering.
- When leaving your own lane.
- When there is no vehicle travelling in front.
- With the turn indicator set.
- With too narrow a lane.
- If the vehicle has been stationary for more than 3 seconds, it does not continue accelerating when the vehicle in front drives off.

Rolling bars with a vehicle stationary:

The system does not accelerate further.

To continue to accelerate, activate ACC by briefly depressing the accelerator pedal, RES button or rocker switch.

Press the RES button or rocker switch when stationary: if the vehicle in front moves off within 30 seconds, your vehicle accelerates automatically. Press the RES button or rocker switch again if you stop for a relatively long time.

Flashing red and signal tone:

Queue assistant is interrupted. The system does not make any steering movement. ACC controls.

If the system conditions are met, the system is reactivated automatically.

When leaving the approved type of road, the system is first interrupted and then shuts down.

Distance

WARNING

The system does not take your personal responsibility from you. Braking may be performed too late because of system limitations. Danger of accident or damage to property. Observe the traffic conditions attentively at all times. Adapt the distance to traffic and weather conditions, and comply with the prescribed safe distance by braking if necessary.◀

Setting distance

Press button repeatedly until the desired distance is set.

Vehicle distance

The selected distance to the vehicle ahead is displayed.

Distance indicator	
	Distance 1
	Distance 2
	Distance 3 Set after switching on the system. Corresponds to approximately half of the value in the speedometer display, expressed in metres.
	Distance 4

WARNING

The system does not take your personal responsibility from you. Braking may be performed too late because of system limitations. Danger of accident or damage to property. Observe the traffic conditions attentively at all times. Adapt the distance to traffic and weather conditions, and comply with the prescribed safe distance by braking if necessary.◀

Displays in the instrument cluster

Symbol	Description
	Queue assistant and distance control ready.
	Queue assistant ready. Distance control controls at the set distance.
	Queue assistant activated. The system controls the speed and supports lane keeping.

Symbol	Description
	Rolling bars while the vehicle is in motion: speed is no longer increased by the queue assistant at 60 km/h/35 mph. When the speed is increased by depressing the accelerator pedal, pressing the RES button or the rocker switch, the system does not perform any more steering movements.
	Flashing red and signal tone: queue assistant is interrupted. The system does not make any steering movement. ACC controls.

Displays on the Head-Up Display

Some information from the system can also be shown on Head-Up Display.

System limits

Narrow lanes

The system cannot be activated or used sensibly when driving in narrow lanes.

Do not use the system in the following situations:

- In roadworks.
- When establishing emergency lanes.

Weather

In unfavourable weather or light conditions, for example during rain, snow, slush, fog or oncoming glare, detection of vehicles may deteriorate and there may be brief interruptions of already detected vehicles. Pay attention when driving and respond to the prevailing traffic conditions. If necessary, intervene actively, e.g. by braking, steering or manoeuvring.

Cruise Control

Principle

System keeps to speed set using buttons on steering wheel. On downhill gradients, the system will brake the vehicle if the braking action of the engine alone is insufficient.

General

Characteristics of Cruise Control may change in certain areas depending on vehicle setting.

Information

WARNING

Using the system in the following situations can lead to an increased danger of accident:

- On stretches with many corners and bends.
- In heavy traffic.
- If the road is icy, if there is fog, snow, rain or a loose road surface.

Danger of accident or damage to property. Only use the system if it is possible to drive at a constant speed.◂

Overview

Buttons on the steering wheel

Press the button	Function
	Cruise Control on, off, interrupt, see page 147.
	Resume speed, see page 148.
	Rocker switch: change, hold or set speed, see page 147.

Controls

Switching on

Press the button on the steering wheel.

The speedometer marker is set to the current speed.

Cruise Control can be used.

If necessary, Dynamic Stability Control DSC will be switched on.

Switching off

WARNING

The system does not take your personal responsibility from you when you are estimating the traffic situation. Due to limits of the system, it cannot respond independently in a reasonable way in all traffic conditions. Danger of accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

Press the button on the steering wheel.

- When activated: press twice.
- When interrupted: press once.

The indicators turn off. The saved desired speed is deleted.

Interrupting

When the system is activated, press the button on the steering wheel.

The system interrupts automatically in the following situations:

- If the brake is applied.
- If the clutch is depressed for a few seconds or released with no gear engaged.
- If too high a gear has been engaged for the speed.
- If selector lever position N is engaged.
- If Dynamic Traction Control is activated or DSC is disabled.
- If DSC intervenes.
- If HDC is activated.

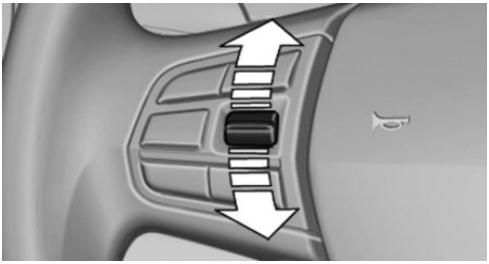
Maintaining, saving, changing speed

Notes

WARNING

The desired speed can be inadvertently set incorrectly or called up. Danger of accidents. Adapt the desired speed to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

Maintaining speed, saving



During the interruption, press the rocker switch.

With the system switched on, the driven speed is maintained and saved as the desired speed.

This is shown in the speedometer and briefly in the instrument cluster, see page 148.

If necessary, Dynamic Stability Control DSC will be switched on.

Changing speed

Press the rocker switch repeatedly upwards or downwards until the desired speed is set.

With the system active, the speed that is then shown is set and will be achieved on a clear road.

- Each time the rocker switch is pressed lightly up to the resistance point, the de-

sired speed is increased or decreased by approximately 1 km/h, 1 mph.

- Each time the rocker switch is pressed beyond the resistance point, the desired speed is increased or decreased to the next multiple of 10 km/h on the speedometer display.

  The maximum speed which can be set depends on the vehicle.

- Pressing the rocker switch until the resistance point is reached and holding accelerates or decelerates the vehicle without pressing the accelerator pedal.

  The speed is maintained after letting go of the rocker switch. Pressing beyond the resistance point results in greater vehicle acceleration.

Call up desired speed

RES Press the button on the steering wheel.

The saved speed is regained and maintained.

Displays in the instrument cluster

Indicator light

Depending on the equipment the indicator light in the instrument cluster shows whether the system is switched on.

Desired speed

- Marker illuminates green: the system is active.
- Marker illuminates orange: the system is interrupted.
- Marker does not illuminate: the system is inactive.

Brief status display

Selected desired speed.

If no speed is displayed, the conditions required for operation may not be fulfilled at the moment.

Displays on the Head-Up Display

Some information from the system can also be shown on Head-Up Display.

Park Distance Control PDC

Principle

PDC supports you with parking. Slowly approaching an object in behind, or with front PDC, in front of, your vehicle is signalled by means of:

- Acoustic signals.
- Visual display.

General

Ultrasonic sensors in each bumper measure the distance.

The range is approximately 2 m, 6 ft depending on obstacle and environment.

An acoustic warning is only issued under the following circumstances:

- At the front sensors and at the two corner sensors at the rear at approx. 60 cm, 24 in.
- At the central sensors at the rear at approx. 1.5 m, 5 ft.
- If there is a collision risk.

Notes

WARNING

The system does not take your personal responsibility from you when you are estimating the traffic situation. Due to limits of the system, it cannot respond independently in a reasonable way in all traffic conditions. Danger of

accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

WARNING

If the vehicle is travelling at high speed when PDC is activated, there may be a delayed warning because of physical conditions. Danger of injury or damage to property. Avoid approaching an object at speed. Avoid moving off at speed while PDC is not yet active.◄

Overview

With front PDC: button in vehicle

Park Distance Control PDC

Ultrasonic sensors

PDC sensors on the vehicle.

Functional requirements

To ensure correct functionality:

- Do not cover sensors, for example by stickers, bicycle rack.
- Keep sensors clean and free from ice.

For cleaning: do not spray the sensors with high-pressure cleaners for an extended period of time and maintain a distance of at least 30 cm, 12 in.

Switching on/off

Automatic switching on

PDC switches on automatically in the following situations:

- If selector lever position R is engaged while the engine is running.

  The rear-view camera also switches on.
- With front PDC equipment: if obstacles behind or in front of the vehicle are detected by PDC and the speed is slower than approximately 4 km/h, approximately 2.5 mph.

The automatic switching on can be switched off for known obstacles:

1. "Settings"
2. "Parking"
3. Select the setting.

   The setting is saved for the currently used profile.

Automatic switching off when moving forwards

The system switches off when a certain distance or speed is exceeded.

Switch the system back on if necessary.

With front PDC: switching on/off manually

Press the button.

- On: LED is illuminated.
- Off: LED turns off.

The image from the rear-view camera is displayed when the reverse gear is engaged when pressing the button.

Display

Audible warning signals

An intermittent sound indicates position of an object as the vehicle approaches it. For in-

stance, if an object is identified to the rear left of the vehicle, the warning signal sounds from the rear left loudspeaker.

The shorter the distance to an object becomes, the shorter the intervals become.

If the distance to a detected object is less than approximately 25 cm, 10 in, a continuous tone sounds.

With front PDC: if there are objects in front of and behind the vehicle, an alternating continuous tone sounds.

The acoustic signal is switched off when selector lever position P is engaged on the Steptronic transmission.

Volume control

It is possible to set the ratio between the volume of the PDC acoustic signal and the volume of the Entertainment.

1. "Multimedia", "Radio" or "Settings"
2. "Sound"
3. "Volume settings"
4. "PDC"
5. Turn the Controller until the desired setting is reached.
6. Press the Controller.

The setting is saved for the currently used profile.

Visual warning

When the vehicle is approaching an object it will be shown on the Control Display. Objects that are further away from the vehicle will appear on the Control Display before an acoustic signal is given.

A display is superimposed as soon as PDC is activated.

Recording range of sensors is shown in colours green, yellow and red.

If the reversing camera image is displayed, it is possible to change over to PDC:

"Rear view camera"

System limits

With a trailer or when the trailer socket is occupied

The rear sensors are unable to perform any meaningful measurements. Thus, they are switched off.

A Check Control message is displayed if corresponding equipment is fitted.

Limits of the ultrasound measurement

Detection of objects might not be possible if the limits of the physical ultrasound measurement are exceeded, such as for instance at the following times:

- With small children and animals.
- With persons with certain clothing, for example a coat.
- With external disruption to the ultrasound, for example by passing vehicles or loud machines.
- If the sensors are dirty, iced-up, damaged or incorrectly adjusted.
- In certain weather conditions, for example high humidity, rain, snowfall, extreme heat or strong wind.
- With trailer noses and tow hitches of other vehicles.
- With thin or wedge-shaped objects.
- With moving objects.
- For higher, protruding objects, for example projecting walls or loads.
- For objects with corners and sharp edges.
- For objects with fine surfaces or structures, for example fences.
- For objects with porous surfaces.

Low objects already indicated, such as kerbs, may enter the sensors' blind areas before or after a continuous tone is given.

False alarms

Under the following conditions, PDC can issue a warning although there is no obstacle in the detection range:

- In heavy rain.
- If the sensors are very dirty or covered with ice.
- If the sensors are covered with snow.
- On rough road surfaces.
- On uneven ground, for example speed bumps.
- In large, rectangular buildings with smooth walls, for example underground car parks.
- In car washes.
- Due to dense exhaust gas.
- If the cover of the trailer tow hitch is incorrectly seated.
- Due to other ultrasonic sources, for example sweeping machines, steam-jet cleaners or neon lights.

  The functional disruption is reported by an alternating continuous tone between the front and rear loudspeakers. As soon as the disruption by other ultrasound sources is no longer present, the system is fully functional again.

Malfunction

A Check Control message is shown.

PDC has failed. Have the system checked.

Rear-view camera

Principle

The rear-view camera offers assistance when reversing into a parking space or manoeuvring. To achieve this, the area behind the vehicle is displayed on the Control Display.

Notes

WARNING

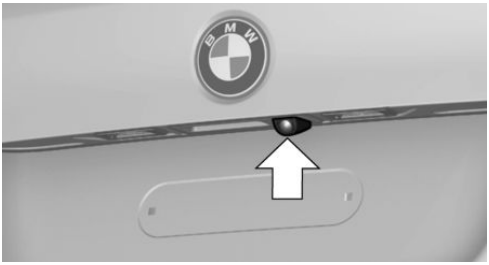
The system does not take your personal responsibility from you when you are estimating the traffic situation. Danger of accidents. Adapt driving style to the driving conditions. Additionally, look directly to check the traffic situation and the area around the vehicle and intervene actively in the corresponding situations.◀

Overview

Button in the vehicle

Rear-view camera

Camera



The lens of the camera is located in the handle strip of the tailgate. Dirt can impair the quality of the picture.

Clean the lens of the camera, see page 239.

Switching on/off

Automatic activation

While the engine is running, engage selector lever position R.

Automatic switching off when moving forwards

The system switches off when a certain distance or speed is exceeded.

Switch the system back on if necessary.

Switching on/off manually

Press the button.

- On: LED is illuminated.
- Off: LED turns off.

PDC is displayed on the Control Display.

The image from the rear-view camera is displayed when the reverse gear is engaged when pressing the button.

Switching the view via iDrive

With PDC activated:

"Rear view camera"

The image from the rear-view camera is displayed.

Display on the Control Display

Operating requirements

- The rear-view camera is switched on.
- The tailgate is completely closed.

Activating assistance functions

A number of assistance functions can be active simultaneously.

The zoom function for towing a trailer can only be activated individually.

- Parking aid lines.

  "Parking guidance lines"

  Driving lane and turning circle lines are displayed.
- Obstacle marking.

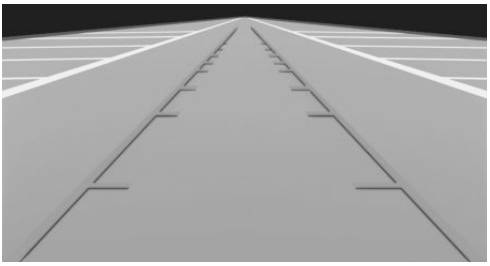
  "Obstacle marking"

  Spatially shaped markings are displayed.
- Trailer tow hitch

  "Towbar zoom"

  The zoom to the trailer tow hitch is displayed.

Driving lane lines

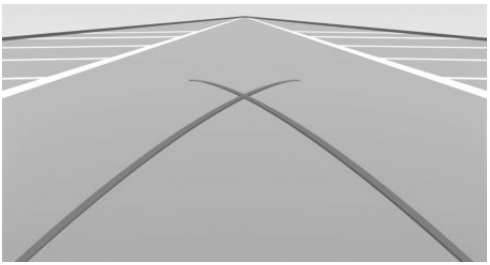


Driving lane lines can appear in the image from the rear-view camera.

The driving lane lines help to estimate the required space when parking and manoeuvring on a level road surface.

The driving lane lines are dependent on the current steering angle and are continuously adapted to steering wheel movements.

Turning circle lines

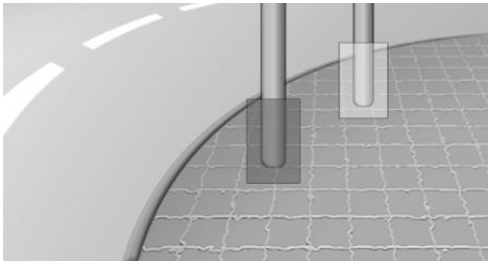


The turning circle lines can only be shown in the image from the rear-view camera together with driving lane lines.

The turning circle lines show the course of the smallest possible turning circle on a level road surface.

When the steering wheel is turned to a certain extent, only a turning circle line is shown.

Obstacle marking



Obstacle markings can be shown in the image from the rear-view camera.

The colour incrementation corresponds to the markings of PDC.

Gesture to trailer tow hitch

To facilitate connecting up a trailer, the picture area around the trailer tow hitch can be zoomed.

The distance between the trailer and the trailer tow hitch can be estimated with the aid of two static circular segments.

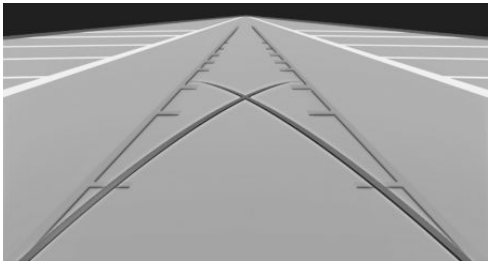
A docking-on line dependent on the steering angle helps to aim at the trailer with your trailer tow hitch.

The zoom function can be enabled when the camera is switched on.

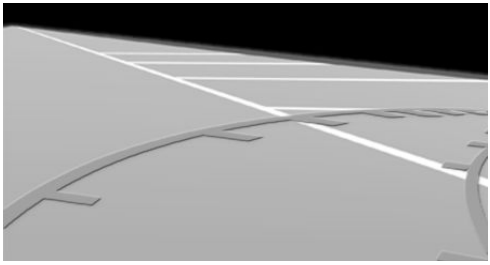
Displaying the trailer tow hitch via iDrive, see page 152.

Parking with the help of driving lane and turning circle lines

1. Position the vehicle so that the turning circle lines are within the limit of the parking space.



2. Turn the steering wheel so that the driving lane line covers the corresponding turning circle line.



Display settings

Brightness

With rear-view camera switched on:

1. ☼ Select the symbol.
2. Turn the controller until the desired setting is reached and press the controller.

Contrast

With rear-view camera switched on:

1. ◐ Select the symbol.

2. Turn the controller until the desired setting is reached and press the controller.

System limits

Detection of objects

Very low obstacles and higher, protruding objects such as ledges cannot be detected by the system.

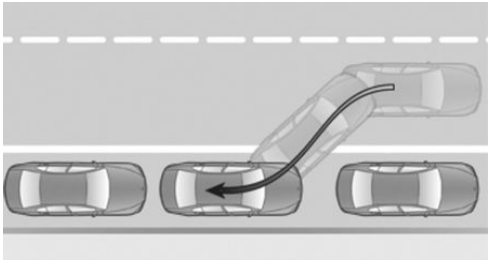
Assistance functions also consider data from the PDC.

Follow notes in the PDC chapter, see page 148.

The objects shown on the Control Display may be closer than they appear. Do not estimate the distance to objects on the display.

Park Assistant

Principle



The system supports you when parking in parallel to the road.

Ultrasonic sensors measure parking spaces on both sides of the vehicle.

The park assistant calculates the ideal parking line and takes over steering during the process of parking.

When parking up, also follow the visual and audible information of the PDC, the park assist and the reversing camera, if fitted, and respond accordingly.

The park assistant incorporates Park Distance Control, PDC, see page 148.

Notes

WARNING

The system does not take your personal responsibility from you when you are estimating the traffic situation. Due to limits of the system, it cannot respond independently in a reasonable way in all traffic conditions. Danger of accidents. Adapt driving style to the driving conditions. Observe the traffic situation and intervene actively if the situation warrants it.◄

WARNING

When the trailer tow hitch is used, the Park Assistant could cause damage if its sensors are obstructed. Danger of accident or damage to property. Do not use the Park Assistant when towing a trailer or using the trailer tow hitch, for example with a bicycle carrier.◄

ATTENTION

The Park Assistant may steer across curbs or up onto curbs. Danger of damage to property. Observe the traffic situation and intervene actively if the situation warrants it.◄

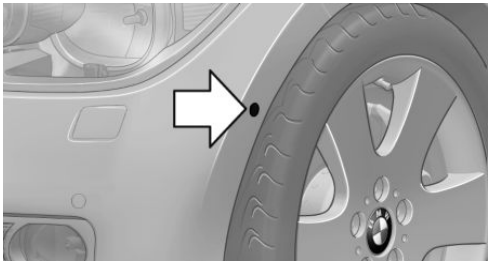
An engine stopped by the Auto Start Stop function is automatically started by activating the Park Assistant.

Overview

Button in the vehicle

Park Assistant

Ultrasonic sensors



Ultrasonic sensors to measure parking spaces are located on side of vehicle.

To ensure correct functionality:

- Keep sensors clean and free from ice.
- Do not spray the sensors with high-pressure cleaners for an extended period of time and maintain a distance of at least 30 cm, 12 in.
- Do not stick things onto the sensors.

Requirements

To measure parking spaces

- When the vehicle is moving forwards up to approximately 35 km/h, 22 mph.
- Maximum distance to the row of parking vehicles: 1.5 m, 5 ft.

Suitable parking space

- Gap behind an object that is at least 1.5 m, approximately 5 ft long.
- Gap between two objects, each of which are at least 1.5 m, approximately 5 ft long.
- Minimum length of gap between two objects: own vehicle length plus approximately 1.0 m, approximately 3.3 ft.
- Minimum depth: approximately 1.5 m, 5 ft.

For the process of parking

- Doors and tailgate closed.
- Parking brake released.
- You must indicate accordingly when parking into parking spaces on the driver's side.

Switching on/off

Switching on with the button

Press the button.

LED is illuminated.

The current status of the parking space search is displayed on the Control Display.

Park Assistant is automatically activated.

Switching on with the reverse gear

Engage reverse gear.

The current status of the parking space search is displayed on the Control Display.

To activate: "Park Assist"

Switch off

The system can be deactivated by:

- Press the button.
- Switch the ignition off.

Display on the Control Display

System is activated/deactivated

Symbol	Meaning
	Grey: system not available. White: system available but not activated.
	System is activated.

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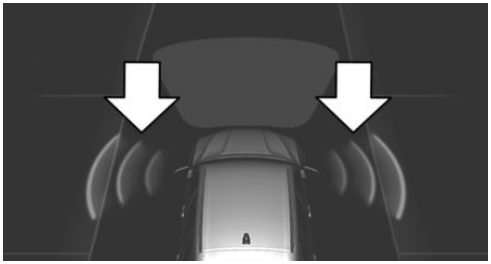
Status of the system



- Coloured symbols, see arrows, on the side of the vehicle display. Park Assistant is activated and parking space search is active.
- Suitable parking spaces are shown on the Control Display on the edge of the roadway next to the vehicle symbol. With active parking assist, the suitable parking spaces are highlighted in colour.
-  Parking process active. Steering has been taken over.
- The parking space search is always active with slow straight forward driving, even with deactivated system. With deactivated system, the displays on the Control Display are shown grey.

Parking with the Park Assistant

WARNING

The system does not take your personal responsibility from you when you are estimating the traffic situation. Danger of accidents. Adapt driving style to the driving conditions. Additionally, look directly to check the traffic situation and the area around the vehicle and intervene actively in the corresponding situations.◄

1. Switch on the park assistant and activate, if applicable.

   Status of the parking space search is displayed on the display.

2. Follow the instructions on the display.

   To achieve an optimum parking position, wait for the automatic steering process after changing gear at standstill.

   The end of the parking process is displayed on the display.

3. Straighten up the parking position, if applicable.

Cancelling manually

You can cancel the Park Assistant at any time:

- "Park Assist"
-  Press the button.

Cancelling automatically

The system automatically cancels in the following situations:

- When holding firmly onto the steering wheel or even if steering is done.
- When selecting gear, which does not correspond to the information on the display.
- At speeds over approx. 10 km/h, approx. 6 mph.
- Possibly on snow-covered or slippery road surfaces.
- When a maximum number of parking attempts or parking time is exceeded.
- If the Park Distance Control PDC shows gaps are too small.
- When changing to other functions on the Control Display.

A Check Control message is shown.

Continuing

You can continue a cancelled parking process, if applicable.

Observe the instructions on the display.

System limits

No parking support

The Park Assistant does not support in the following situations:

- On sharp bends.
- When towing a trailer.

Restrictions of the function

The function can be restricted, for example in the following situations:

- When on uneven road surfaces, for example gravel roads.
- On slippery ground.
- On steep upward or downward gradients.
- If leaves have collected or snow has drifted or been piled up in the parking space.
- With emergency wheel fitted.

Limits of the ultrasound measurement

Detection of objects might not be possible if the limits of the physical ultrasound measurement are exceeded, such as for instance at the following times:

- With small children and animals.
- With persons with certain clothing, for example a coat.
- With external disruption to the ultrasound, for example by passing vehicles or loud machines.
- If the sensors are dirty, iced-up, damaged or incorrectly adjusted.
- In certain weather conditions, for example high humidity, rain, snowfall, extreme heat or strong wind.
- With trailer noses and tow hitches of other vehicles.
- With thin or wedge-shaped objects.
- With moving objects.
- For higher, protruding objects, for example projecting walls or loads.
- For objects with corners and sharp edges.
- For objects with fine surfaces or structures, for example fences.
- For objects with porous surfaces.

Low objects already indicated, such as kerbs, may enter the sensors' blind areas before or after a continuous tone is given.

In some cases, parking spaces may be detected that are not suitable or suitable parking spaces may not be detected.

Malfunction

A Check Control message is shown.

The Park Assistant has failed. Have the system checked.

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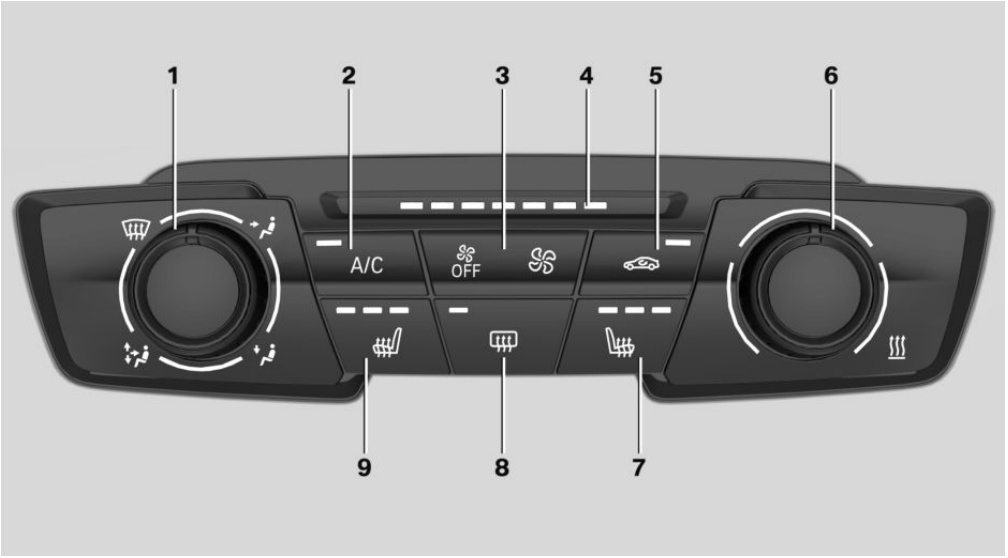
Climate

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Air conditioning



1 Air distribution
2 Cooling function
3 Air flow
4 Air flow display
5 Recirculated-air mode
6 Temperature
7 Seat heating, right 53
8 Heated rear window
9 Seat heating, left 53

Air conditioning functions in detail

Switching system on/off

Switching on

Press any key, except

- Heated rear window.
- Seat heating

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Switching off

Hold down left button until the control shuts down.

Temperature

Turn the wheel to select the desired temperature.

Cooling function

The interior can only be cooled when the engine is running.

Press the button.

Air is cooled and dried, then reheated to suit the temperature setting.

Depending on weather conditions, the windscreen and side windows may mist over momentarily when the engine is started.

Condensation water, see page 181, develops in the air conditioning and leaks underneath the vehicle.

Recirculated-air mode

If the air outside the vehicle has an unpleasant odour or contains pollutants, the supply to the interior of the vehicle can be shut off. The air inside the vehicle is then recirculated.

Press button repeatedly to call up an operating mode:

- LED off: ambient air is constantly entering the car.
- LED on, recirculated-air mode: the ambient air supply is permanently shut off.

The recirculated-air mode automatically switches off at low outside temperatures after a given time, to avoid condensation.

Continuous recirculated-air mode deteriorates the air quality in the interior and condensation on the windows increases.

In the event of condensation, switch off the recirculated-air mode and increase the air flow if necessary.

Adjusting the air flow manually

Pressing the button on the left or right reduces or increases the air flow.

The intensity is shown by the LEDs. The highest stage is seven illuminated LEDs.

The air flow of the air conditioning system is reduced as necessary to save the battery.

Adjusting the air distribution manually

Turn the wheel to select the desired program or the desired intermediate setting.

- Window glass.
- Upper body area.
- Footwell.
- Windows, upper body area and footwell

Defrosting windows and removing condensation

Direct air distribution to windows, increase quantity of air and temperature then switch on with cooling function as needed.

Heated rear window

Press the button.

The heated rear window is switched off automatically after a certain period of time.

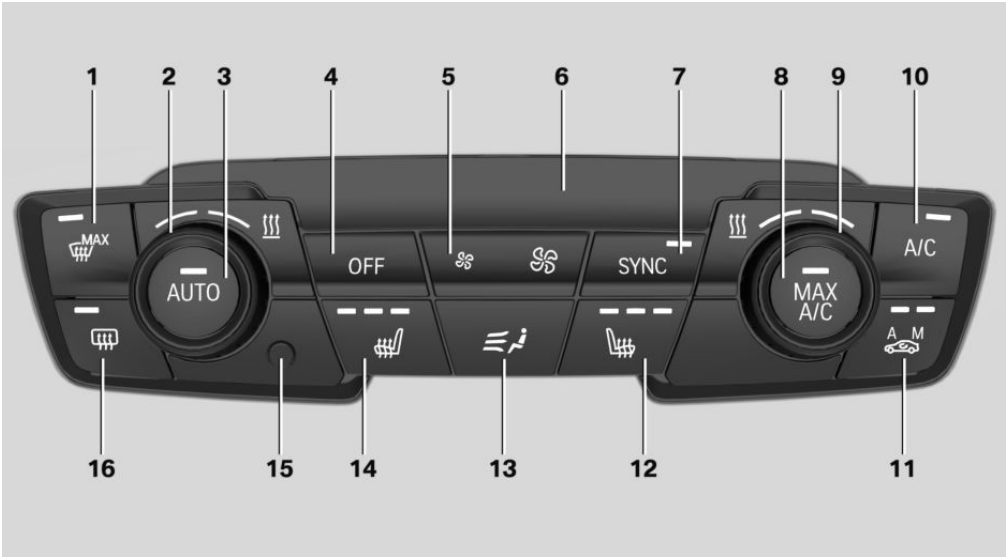
Press and hold the button for more than 3 second for permanent activation. Press the button again to deactivate.

Microfilter

In outside and recirculated-air mode, the microfilter filters dust and pollen from the air.

This filter should be changed during maintenance on your vehicle, see page 216.

Automatic air conditioning



1 Defrosting windows and removing condensation
2 Temperature, left
3 AUTO program
4 Switching the system off
5 Air flow, AUTO intensity
6 Display
7 SYNC program
8 Maximum cooling effect
9 Temperature, right
10 Cooling function
11 AUC/recirculated-air mode
12 Seat heating, right 53
13 Air distribution
14 Seat heating, left 53
15 Interior temperature sensor — never cover
16 Heated rear window

Air conditioning functions in detail

Switching system on/off

Switch on

Press any key, except:

▷ SYNC-Program.
▷ Heated rear window
▷ Seat heating

Switch off

OFF Press the button.

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Temperature

Turn the wheel to select the desired temperature.

The selected temperature is shown on the display for automatic air conditioning.

The automatic air conditioning sets this temperature as quickly as possible, using higher cooling or heating power if necessary. The temperature is then maintained.

Avoid switching between different temperature settings in rapid succession. The automatic air conditioning will not then have sufficient time to establish the temperature selected.

Cooling function

The interior can only be cooled when the engine is running.

A/C Press the button.

Air is cooled and dried, then reheated to suit the temperature setting.

Depending on weather conditions, the windscreen and side windows may mist over momentarily when the engine is started.

The cooling function is switched on automatically in the AUTO program.

When using the automatic air conditioning, condensation water, see page 181, develops that exits underneath the vehicle.

Maximum cooling effect

MAX A/C Press the button.

System is set to lowest temperature, optimum air flow and recirculated-air mode.

The air flows from the outlets for the upper body area. Therefore open the ventilation vents.

The function is available through an outside temperature of approximately 0 °C/32 °F and with the engine running.

The air flow can be adapted when the program is active.

AUTO program

AUTO Press the button.

The air flow, air distribution and temperature are automatically regulated.

Depending on the selected temperature, intensity AUTO program and external influences, the air is directed towards the windscreen, side windows, upper body, and into the footwell.

The cooling function, see page 161, is switched on automatically in the AUTO program.

A condensation sensor also controls the program so that condensation is avoided as much as possible.

Intensity of AUTO program

When AUTO program is switched on, automatic control of the intensity can be changed.

Pressing the button on the left or right reduces or increases intensity.

The selected intensity is shown on the display for automatic air conditioning.

Automatic air recirculation control, AUC/recirculated-air mode

If the air outside the vehicle has an unpleasant odour or contains pollutants, the supply to the interior of the vehicle can be shut off. The air inside the vehicle is then recirculated.

Press button repeatedly to call up an operating mode:

- LEDs off: ambient air is constantly entering the car.

- Left-hand LED on, AUC mode: a sensor detects pollutants in the outside air and shuts it out automatically.
- Right-hand LED on, recirculated-air mode: the ambient air supply is permanently shut off.

The recirculated-air mode automatically switches off at low outside temperatures after a given time, to avoid condensation.

Continuous recirculated-air mode deteriorates the air quality in the interior and condensation on the windows increases.

If there is condensation on the window, switch off recirculated-air mode and press the AUTO button to use the condensation sensor. Ensure that air can flow towards the windscreen.

Adjusting the air flow manually

To be able to adjust the air flow manually, first switch off the AUTO program.

Pressing the button on the left or right reduces or increases the air flow.

The selected air flow is shown on the display for automatic air conditioning.

In order to protect the battery the air flow rate of the automatic air conditioning is reduced, if necessary.

Adjusting the air distribution manually

Press button repeatedly to select a program:

- Upper body area and footwell.
- Footwell.
- Windows and footwell.
- Windows.
- Windows and upper body area.
- Upper body area.
- Windows, upper body area and footwell.

If there is condensation on the window, press the AUTO button in order to use the condensation sensor.

SYNC program

Press the button.

Current temperature adjustment on the driver's side is transferred to the front passenger's side.

The program is switched off if the setting is changed on the front passenger side.

Defrosting windows and removing condensation

Press the button.

This removes ice and condensation quickly from the windscreen and the front side windows.

To do this, point the side nozzles at the side windows if necessary.

The air flow can be adapted when the program is active.

If there is condensation on the window, switch on the cooling function as well or press the AUTO button to use the condensation sensor.

Heated rear window

Press the button.

The heated rear window is switched off automatically after a certain period of time.

Press and hold the button for more than 3 seconds for permanent activation. Press the button again to deactivate.

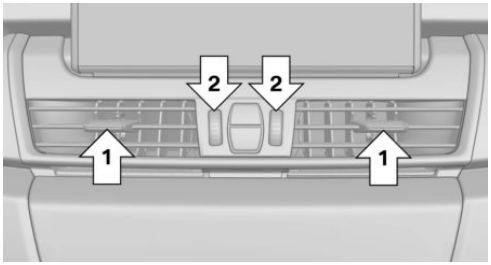
Microfilter/activated charcoal filter

In outside and recirculated-air mode, the microfilter/activated carbon filter filters dust, pollen and harmful gases from the air.

This filter should be changed during maintenance on your vehicle, see page 216.

Ventilation

Ventilation at front



- Lever to change the direction in which air flows, arrows 1.
- Knurled wheels to open and close the air outlets continuously, arrow 2.

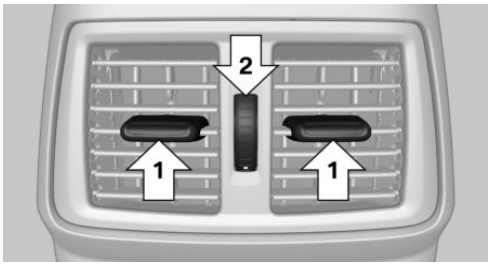
Setting the ventilation

- Ventilation for cooling:

  Adjust the side nozzles so that air is directed towards you, for example if the vehicle's interior has become hot.
- Draught-free ventilation:

  Adjust the side nozzles so that the air flows past you.

Ventilation in rear passenger compartment



- Lever to change the direction in which air flows, arrows 1.
- Knurled wheel to open and close the side nozzles continuously, arrow 2.

Independent ventilation

Principle

The independent ventilation system ventilates the passenger compartment and lowers its temperature under some circumstances.

The system can be switched on and off at any ambient temperature either directly or via two preselected switch-on times. It remains switched on for 30 minutes.

Open the ventilation vents so the air can flow out.

Switching on/off directly

On the Control Display:

1. "Settings"
2. "Climate"
3. "Activate aux. ventilation"

symbol on automatic air conditioning flashes when system is switched on.

Preselecting the switch-on time

On the Control Display:

1. "Settings"
2. "Climate"
3. "Start time 1:" or "Start time 2:"
4. Set desired time.

Activating the switch-on time

On the Control Display:

1. "Settings"
2. "Climate"
3. "Activate start time 1" or "Activate start time 2"

Symbol on the automatic air conditioning system is illuminated when the switch-on time is active.

Symbol on the automatic air conditioning system flashes when the system has cut in.

The system switches on within the next 24 hours only. Afterwards, it must be reactivated.

Interior equipment

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Sun visor

Glare protection

Fold the sun visor downwards or upwards.

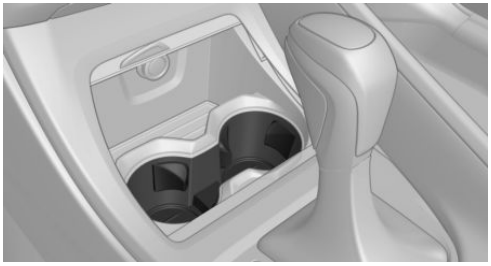
Vanity mirror

A vanity mirror is situated in the sun visor behind a cover. The interior light switches on when the cover is opened.

Ashtray/lighter

Ashtrays

Opening



The ashtray can be inserted into the cupholder.

Emptying

Lift out the insert.

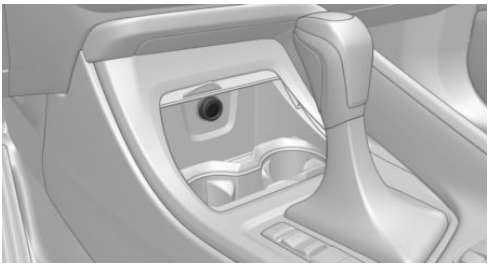
Lighter

WARNING

Touching the hot heating element or the hot fitting of the cigarette lighter can cause burns. Flammable materials can catch fire if the lighter falls down or is held against corresponding objects. Danger of fire and injury. Grip the cigarette lighter by the handle. Make sure that children cannot use the lighter and burn themselves, for example by taking the remote control with you when leaving the vehicle.◄

ATTENTION

If metallic objects fall into the socket, they can cause a short circuit. Danger of damage to property. After using the socket, put the lighter or socket cover back on.◄



The cigarette lighter is located in the centre console.

Press in the cigarette lighter.

The cigarette lighter can be removed when it pops back out.

Connecting electrical appliances

Information

ATTENTION

Battery chargers for the vehicle battery can operate with high voltages and high currents, which can overload or damage the 12 volt on-board network. Danger of damage to property. Only connect battery chargers for the vehicle battery to the jump-starting connections in the engine compartment.◄

ATTENTION

If metallic objects fall into the socket, they can cause a short circuit. Danger of damage to property. After using the socket, put the lighter or socket cover back on.◄

Power sockets

General

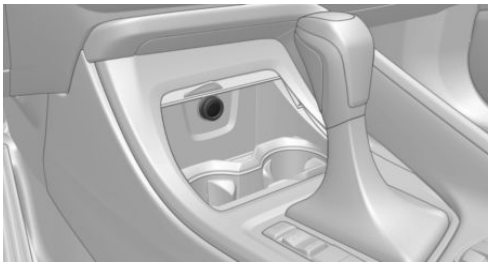
Cigarette lighter socket can be used as a socket for electrical devices when the engine is running or the ignition is switched on.

Note

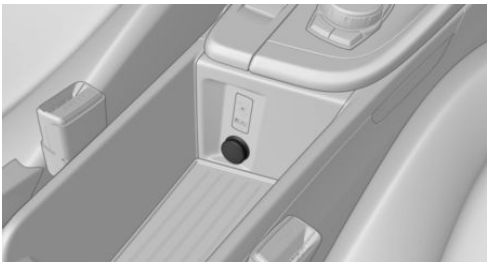
The total load of all sockets must not exceed 140 Watt at 12 Volt.

To avoid damage to the socket, do not insert an incompatible plug.

Front centre console



Remove the cover or lighter.

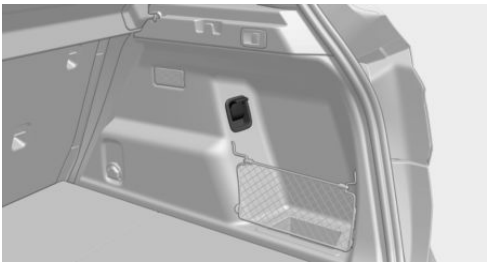


Remove the cover.

Rear centre console

Remove the cover.

Inside the boot



Socket is on the right in the boot.

USB interface

Principle

Port for USB mediums with music files and for importing and exporting data, for example for personal profile settings.

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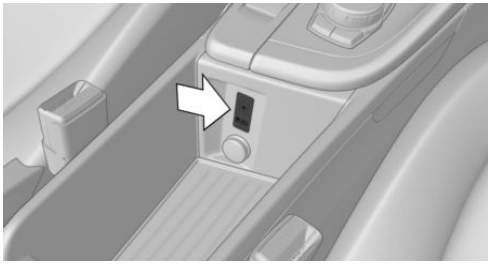
Overview



The USB interface is located between the front seats.

Notes

When connecting, bear the following in mind:

- Do not insert the plug forcibly in the USB interface.
- Do not connect any devices such as fans or lights to the USB interface.
- Do not connect up USB hard drives.
- Do not use the USB audio interface for charging external devices.

Boot

Boot cover

Note

WARNING

Loose objects in the interior can be thrown into the interior during the journey, for example in an accident or during braking and evasive manoeuvres. Danger of injury. Secure loose objects in the interior.◄

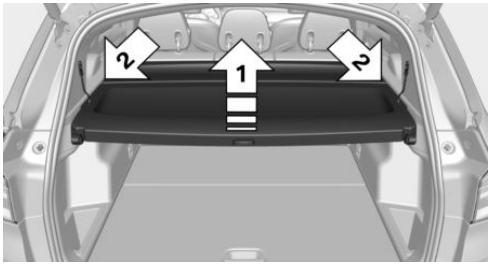
General

The boot cover is in two parts. For stowing bulky luggage, this can be removed.

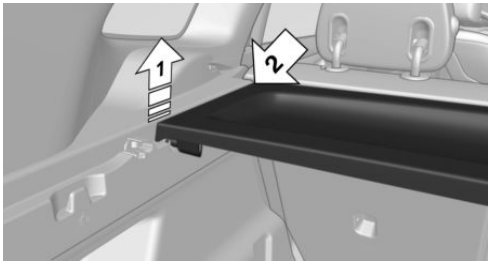
Removing

Rear cover

1. Holding straps can be suspended on the tailgate.
2. Slightly lift the cover, arrow 1, ans pull backward from the holders, arrows 2.



Front cover



1. Press the cover upward from the holder on both sides, arrow 1.
2. Pull the cover backward from he holder on both sides, arrow 2.

Inserting

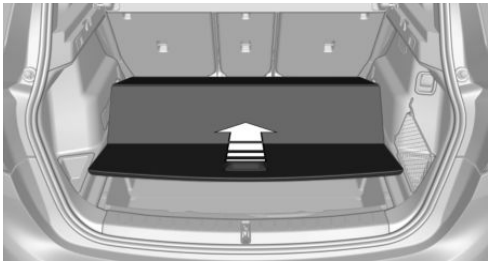
To use, follow the reverse sequence. In each case, the boot covers must click into the brackets.

Boot floor

General

The boot floor can be stood up or removed for carrying bulky luggage.

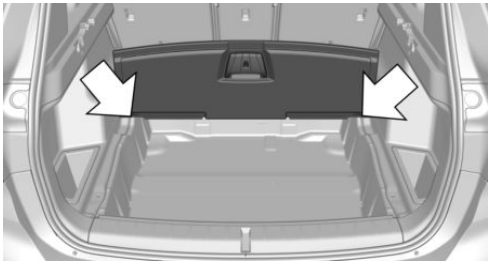
Opening the boot floor



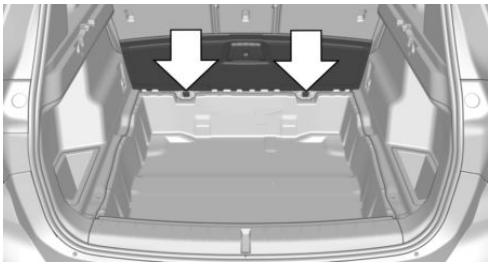
To open, lift boot floor slightly and push forwards.

Standing up the boot floor

The boot floor can be stood up in two positions.



Push the boot floor forward until it stops.



Push the boot floor completely forward to the seats.

Removing floor of boot

1. Open boot floor.
2. Remove the boot floor with both hands.

Inserting the boot floor

1. Insert boot floor at rear of back seat backrests.
2. Close boot floor.

Make sure that the boot floor is engaged.

Expanding the boot

Principle

Boot can be enlarged by adjusting loading position or folding down rear seat backrests.

The rear seat backrest is split 40–20–40. Each side or the centre section can be folded down separately.

In addition, front passenger seat backrest can be folded down.

Notes

WARNING

Risk of trapping when folding down the backrest. Danger of injury or damage to property. Before folding down, make sure that the movement area of the rear backrest is clear.◄

WARNING

If the seat adjustment or child seat installation is incorrect, the stability of the child restraint system will be restricted or rendered ineffective. Danger of injury or life. Make sure the child restraint system is firmly positioned against the backrest. In all relevant backrests, adapt the backrest angle if possible and set the seats correctly. Make sure that the seats and their backrests are correctly engaged. If possible, adjust the height of the head restraints, or remove them.◄

WARNING

Unsecured cargo can be thrown into the interior due to an unlocked backrest, e.g. in the event of an accident, braking or avoidance manoeuvres. Danger of injury. Make sure that the locking mechanism engages when folding back the backrest.◄

WARNING

The backrest can unexpectedly move during the journey due to unintentional unlocking of the rear backrests via the loops. Danger of injury. Do not attach objects to the loops for unlocking the rear backrests.◄

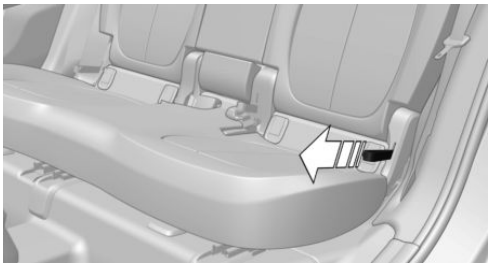
Loading position

Principle

The rear seat backrest can be placed in an upright position to expand the boot.

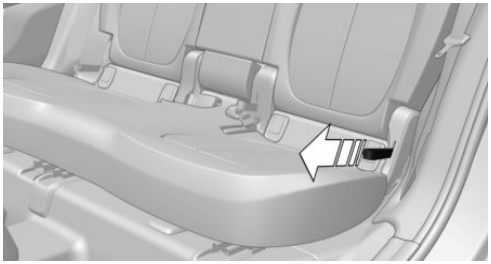
Each backrest can be folded down separately to any of several different angles.

Setting loading position



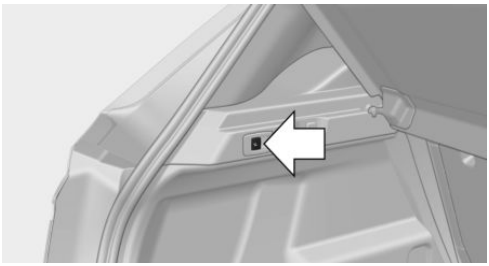
Pull loop and remove pressure on backrest as required.

Folding rear seat backrest down manually



Pull loop. The backrest folds forward.

Folding rear backrest down electrically



Pull switch in the boot.

Left switch: left and middle backrests fold forwards jointly.

Right switch: right backrest folds forwards.

Folding back backrest

Fold backrest fully backwards and lock.

Folding front passenger seat backrest down

WARNING

If the backrest of the front passenger seat is folded down, the protective effect for the rear seats is lost in the event of an accident. Danger of injury. Do not occupy the seat behind the front passenger seat and the middle rear seat during the journey if the backrest of the front passenger seat is folded down.◄

ATTENTION

If the backrest of the front passenger seat is folded forward, the seat can be damaged by the front passenger airbag in the event of an accident. Danger of damage to property. Deactivate the front passenger airbag if the backrest of the front passenger seat is folded forward.◄

Deactivate the front passenger airbag, see page 110.

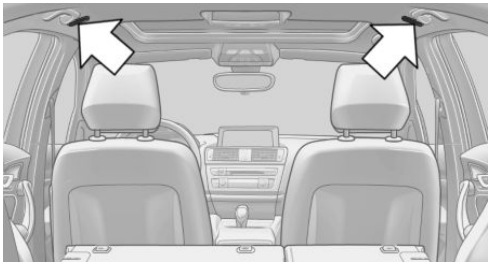
Pull the lever. The backrest folds forward.

Luggage net

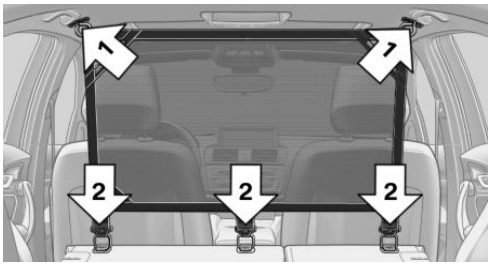
Luggage net, large

Install the large luggage net behind the front seats with the rear backrest folded down.

1. Fold down rear backrests forwards, see page 168.
2. Fold up cover caps up on the roof frame until they engage.



3. Insert both upper fastening pins of the luggage net into the brackets until they stop, arrow 1, and push forwards.

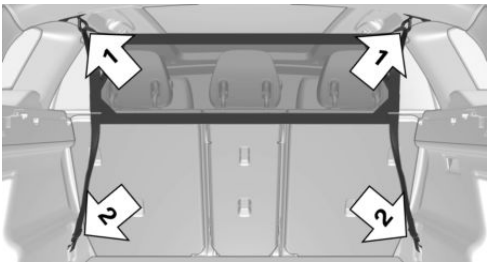


4. Hang the luggage net with the three lower hooks into the three eyes on the folded rear backrest, arrows 2, raise the rear backrests a little to do this.

Luggage net, small

Install the small luggage net behind the second row of eats with the rear backrest in upright position.

1. Remove the boot cover.
2. Insert both upper fastening pins of the luggage net into the brackets until they stop, arrow 1, and push forwards.



3. Hang the luggage net with the two lower hooks into the respective upper lashing eyes in the boot, arrows 2.

Ski and snowboard bag

General

The ski and snowboard bag is located in a protective sleeve in the boot.

Follow the installation and operating instructions enclosed in the protective sleeve.

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Storage compartments

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Notes

WARNING

Loose objects in the interior can be thrown into the interior during the journey, for example in an accident or during braking and evasive manoeuvres. Danger of injury. Secure loose objects in the interior.◄

ATTENTION

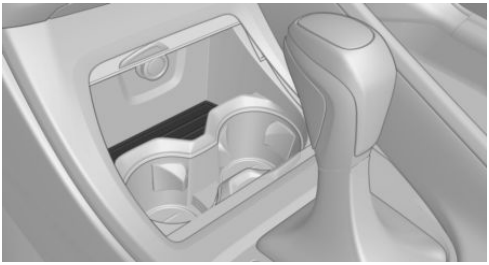
Anti-slip mats can damage the dashboard. Danger of damage to property. Do not use anti-slip mats.◄

Storage options in the interior

The following storage options are located in the interior:

- Storage compartment in front centre console, see page 171.
- Glove box on the passenger side, see page 171.
- Glove box on the driver's side, see page 172.
- Pockets in the doors, see page 172.
- Storage compartment in the centre armrest, see page 172.
- Cupholder, see page 173.
- Storage compartment in the centre console in the back, see page 173.
- Storage compartments in boot, see page 174.
- Further compartments in the interior, see page 174

Storage compartment in front centre console



There is a storage compartment under the cover.

Glove box

Front passenger's side

Note

WARNING

The glove box projects into the interior when it is opened. Objects in the glove box can be thrown into the interior during the journey, for example in an accident or during braking and evasive manoeuvres. Danger of injury. Immediately close the glove box after using it.◄

Opening

Pull the handle.

The lighting in the glove box comes on.

Closing

Fold lid down.

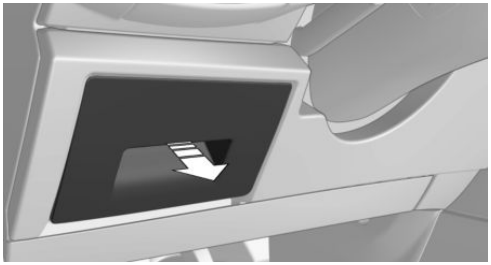
Driver's side

Note

WARNING

The glove box projects into the interior when it is opened. Objects in the glove box can be thrown into the interior during the journey, for example in an accident or during braking and evasive manoeuvres. Danger of injury. Immediately close the glove box after using it.◄

Opening



Pull the handle.

Closing

Fold lid down.

Pockets in the doors

WARNING

Fragile objects, for example glass bottles, can break in the event of an accident. Shards can spread throughout the interior. Danger of injury. Do not store any fragile objects in the interior.◄

Centre armrest

Front

There is a storage compartment in the centre armrest between the front seats.

Opening

Press the button, arrow 1, and fold the centre armrest upwards, arrow 2.

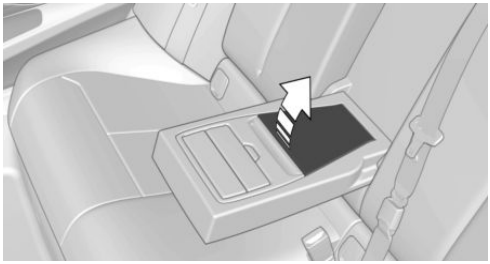
Adjusting

Centre armrest can be adjusted to several different angles.

Rear

There is a storage compartment at the rear of the centre armrest.

Opening



Pull centre armrest forward with the loop.

Pull the lid upwards.

Storage compartment in centre console in rear

There is a storage compartment in the centre console in the rear.

Cupholder

Note

WARNING

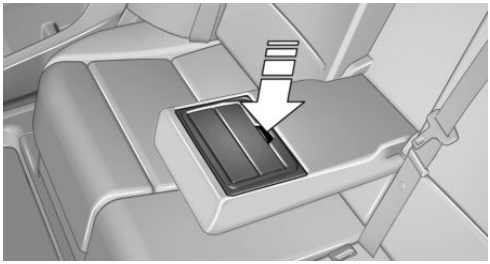
Unsuitable containers in the cupholder and hot drinks can damage the cupholders, and increase the risk of injury in an accident. Danger of injury or damage to property. Use light, lockable containers that are shatterproof. Do not transport hot drinks. Do not force objects into the cupholder.◄

Front

There are two cupholders under the cover.

Rear

In the centre armrest.



Pull centre armrest forward with the loop.

To open: press the button.

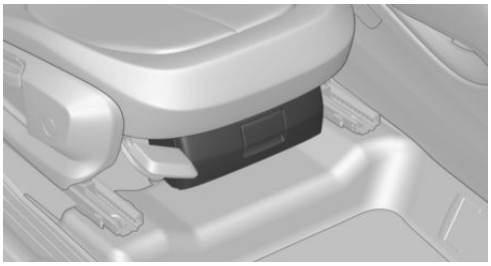
To close: push both covers back in one after the other.

ATTENTION

If the cupholder is open, the centre armrest cannot be folded back. Danger of damage to property. Push back the covers before folding up the centre armrest.◄

Further compartments in the interior

Storage compartment under driver and front passenger seat



Storage option for small objects.

Net in the footwell of the front passenger

Smaller objects can be stowed in the net on the left side of the footwell of the front passenger.

Nets on the backrests of the front seats

Small objects can be stowed in the nets on the backrests.

Storage compartments in the boot

Side storage compartments left and right

Storage compartments are located on the right and left side.

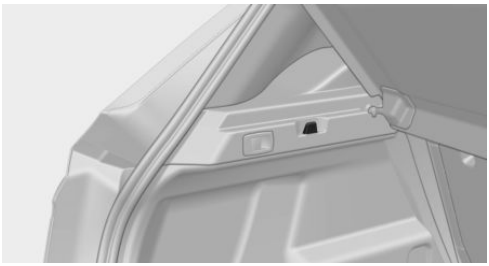
Net for storage compartment

Smaller items can be stowed in the net of the right storage compartment.

Bag holders

WARNING

Incorrect use of the holders can represent a danger, for example if objects fly around in the case of braking and evasive manoeuvres. Danger of injury and damage to property. Only hang light objects, for example shopping bags, on the holders. Only transport heavy luggage with suitable means of securing in the boot.◀



In the boot there is a bag holder on every side.

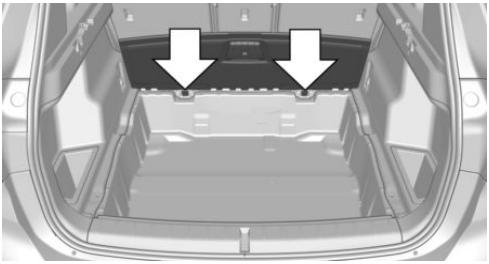
Tensioning strap

There is a tensioning strap on the left-hand trim panel for securing small objects.

Lashing eyes in the boot

For securing the load, see page 183, four lashing eyes are in the boot.

Storage space under boot floor



Boot floor can be folded. To open, lift boot floor slightly and push forwards.

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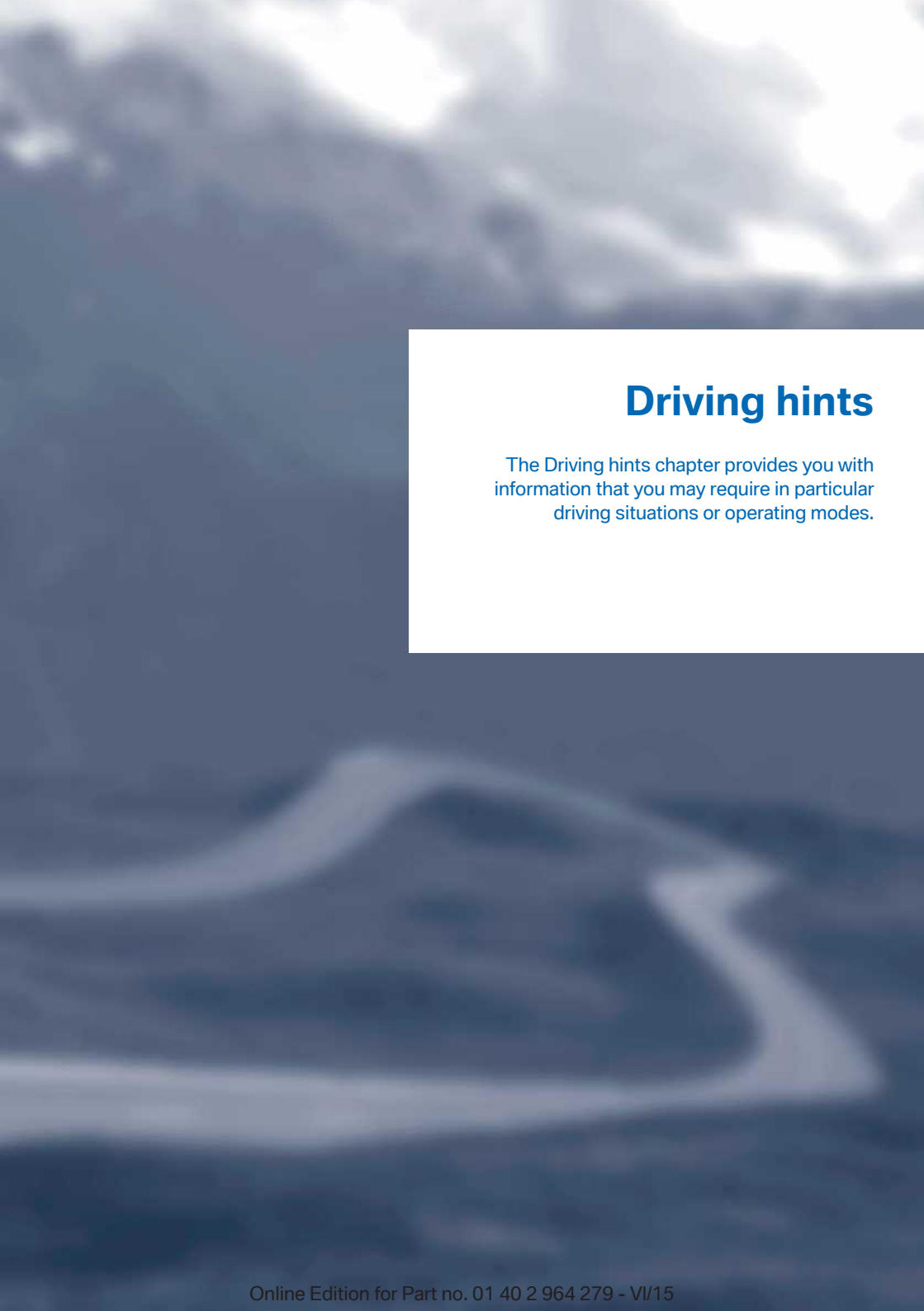

Driving hints

The Driving hints chapter provides you with information that you may require in particular driving situations or operating modes.

Driving precautions

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Running in

General

Moving parts need a certain time to achieve maximum operating efficiency as a unit.

The following information helps to achieve maximum service life and efficiency of the vehicle.

Do not use Launch Control, see page 84, when running in.

Engine, gearbox and differential

Up to 2000 km, 1200 miles

Do not exceed the maximum engine revs and speed:

- With petrol engines, 4500 rpm and 160 km/h, approximately 100 mph.
- With diesel engines, 3500 rpm and 150 km/h, approximately 93 mph.

In principle, avoid full load or kick-down.

From 2000 km, 1200 miles onwards

Engine and road speeds can be gradually increased.

Tyres

New tyres do not achieve their full road grip immediately, for production reasons.

During the first 300 km, 200 miles, drive moderately.

Brake system

Brake discs and pads only achieve a favourable wear and contact pattern after approximately 500 km, approximately 300 miles. Drive moderately during this running-in period.

Clutch

The clutch only begins to function optimally at approximately 500 km, approximately 300 miles. Engage the clutch gently during this running-in period.

After fitting new parts

The same running-in procedures should be observed if any of the components mentioned above have to be renewed in the course of the vehicle's operating life.

Driving on bad road surfaces

The vehicle combines four-wheel drive with the advantages of a normal passenger vehicle.

ATTENTION

Objects on non-hard roads, e.g. stones or branches, can damage the vehicle. Danger of damage to property. Do not drive on non-hard roads.◄

For your own safety and the safety of passengers and the vehicle, observe the following points:

- Make yourself familiar with the vehicle before starting the trip and do not take any risks when driving.

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- Adjust speed to the road conditions. The steeper and more uneven the road, the slower the speed should be.
- For trips on steep inclines: top up with engine oil and coolant nearly up to the MAX mark.
- When driving up steep hills, use Hill Descent Control HDC, see page 132.
- Avoid contact between the body and the ground.

  Ground clearance is a maximum 20 cm, approximately 7.8 inches and may vary depending on load condition.
- If wheels are spinning, accelerate enough so that drive stability control systems can distribute drive force to wheels. Activate any Dynamic Traction Control, DTC.

After driving on bad roads

After driving on bad roads, to maintain driving safety, check wheel and tyres for damage. Remove any major soiling of the body.

General driving information

Closing the tailgate

WARNING

An open tailgate projects beyond the vehicle, and in the event of an accident, braking or avoidance manoeuvres, it can endanger vehicle occupants and other road users, or damage the vehicle. There is also the danger of exhaust fumes entering the interior of the vehicle. Danger of injury or damage to property. Do not drive with the tailgate open.◀

If there is no alternative to driving with the tailgate open:

- Close all windows and the Glass Roof.
- Turn up the blower to a high output level.
- Maintain moderate speed.

Hot exhaust system

WARNING

During driving, high temperatures can be generated under the body, for example because of the exhaust system. If flammable materials, for example leaves of grass, come into contact with hot parts of the exhaust system, these materials can catch fire. Danger of injury or damage to property.

Never remove the heat shields fitted here, or apply underseal to them. Make sure that when driving, idling or parking, no flammable materials can come into contact with hot vehicle parts. Do not touch the hot exhaust system.◀

Diesel particle filter

The diesel particle filter collects soot particles and burns them periodically at high temperatures.

When cleaning for a few minutes, the following may occur:

- Engine temporarily runs a bit roughly.
- Noise and slight development of smoke from the exhaust shortly after shutting off the engine.
- The usual power output development requires a slightly higher engine speed.

Radio signals

WARNING

Certain vehicle functions may be affected by interference from high-frequency radio signals. Such signals are output from a series of transmission systems, for example, from air traffic beacons or relay stations for mobile telecommunications.

We recommend you consult a Service Partner or a qualified specialist workshop should you experience any difficulties.◀

Mobile communication equipment

WARNING

The vehicle's electronics and mobile radio devices can interfere. The transmission operation of mobile radio devices generates radiation. Danger of injury or damage to property. If possible, only use mobile radio devices, e.g. mobile telephones, in the interior with direct connection to an external antenna to exclude mutual interference and to dissipate the radiation from the vehicle's interior.◄

Aquaplaning

On wet or slushy roads, a wedge of water can form between the tyres and the road.

This situation, known as aquaplaning, means that the tyre can actually lose contact completely with the road surface and the vehicle can neither be steered nor the brakes properly applied.

Wading

ATTENTION

Driving through excessively deep water too fast can result in water entering the engine compartment, electrical system or transmission. Danger of damage to property. When driving through water, do not exceed the maximum specified water depth and maximum fording speed.◄

Only if the water is calm and only up to a water depth of max. 25 cm, approximately 9.8 inches and at this depth drive no faster than walking speed up to 5 km/h, approximately 3 mph.

Safe braking

Your vehicle is equipped with ABS as standard.

Applying the brakes fully is the most effective way of braking in situations in which this is necessary.

The vehicle can be steered. Any obstacles can be avoided with steering wheel movements that are as calm as possible.

A pulsing of the brake pedal and hydraulic regulating sounds indicate that ABS is regulating.

In certain braking situations, the perforated brake disks can cause functional noise. However, this has no effect on the efficiency and operational safety of the brakes.

Objects in the range of movement of the pedals and in the footwell

WARNING

Objects in the driver's footwell can restrict the pedal travel, or block a pedal that has been pressed. Danger of accidents. Stow items in the vehicle so that they are secure and cannot get into the driver's footwell. Only use floor mats that have been categorised as appropriate for the vehicle and that can be fastened accordingly. Do not use any loose floor mats, and do not place several floor mats on top of one another. Make sure that there is sufficient space for the pedals. Ensure that the floor mats are securely reattached after having been removed, for example for cleaning.◄

Wet roads

In damp weather, if road grit has been spread or there is heavy rain, apply the brakes lightly every few kilometres/miles.

In doing so, do not obstruct other road users.

The resulting heat dries the brake discs and pads.

The braking force will be available immediately if needed.

Downhill gradients

WARNING

Even slight, continuous pressure on the brake pedal can cause overheating, brake pad wear or even brake system failure. Danger of accidents. Avoid excessive loads on the brake.◄

WARNING

When idling or with the engine switched off, safety-relevant functions are restricted or no longer available, for example the braking effect of the engine or power assistance for the braking force and steering. Danger of accidents. Do not drive at idle speed or with the engine switched off.◄

When driving on long or steep downhill stretches, use the gear in which the least braking is required. Otherwise the brake system can overheat and braking action is reduced.

The braking effect can be additionally increased by manually shifting down, even into first gear, if applicable.

Corrosion of the brake disc

Corrosion of the brake discs and contamination of the brake pads increase with the following circumstances:

- Low mileage.
- Extended periods when the vehicle is not used.
- Infrequent use of the brakes.

Corrosion occurs when the minimum pressure that must be exerted by the pads during brake applications to clean the discs is not reached.

Should corrosion form on the brake discs, the brakes will tend to respond with a pulsating effect that generally cannot be corrected.

Condensate when vehicle is parked

When using the automatic air conditioning, condensation water develops that exits underneath the vehicle.

Traces of water on the ground are normal.

Loads

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Notes

WARNING

A high gross vehicle weight can cause the tyres to overheat, causing internal damage and a sudden loss of tyre pressure. Danger of accidents. Comply with the permitted load index of the tyre, and do not exceed the permitted gross vehicle weight.◄

WARNING

If the permitted total weight and the permitted axle loads are exceeded, operational safety of the vehicle is not ensured anymore. Danger of accidents. Do not exceed the permitted total weight and permitted axle loads.◄

ATTENTION

Liquids in the boot can cause damage. Danger of damage to property. Make sure that no liquids leak out in the boot.◄

WARNING

Loose objects in the interior can be thrown into the interior during the journey, for example in an accident or during braking and evasive manoeuvres. Danger of injury. Secure loose objects in the interior.◄

WARNING

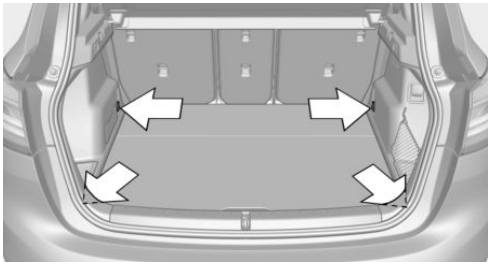
The backrest can unexpectedly move during the journey due to unintentional unlocking of the rear backrests via the loops. Danger of injury. Do not attach objects to the loops for unlocking the rear backrests.◄

Stowing transported loads

- Wrap protective material around sharp corners and edges of the load.
- Heavy transported load: stow as far forward and as low down as possible, ideally directly behind the rear backrests.
- Very heavy transported load: with no passengers on the back seat, insert both outer seat belts into the respective opposite buckles.
- Fully fold down seat backrests if the load is to be stowed accordingly.
- Do not stack storage goods above the upper edge of the backrests.
- Use the luggage net, see page 170, to protect the vehicle's occupants. Make sure that objects cannot pass through the luggage net.

Securing transported loads

Lashing eyes in the boot



For securing the load four lashing eyes are in the boot.

With luggage net:

Exclusively use lower lashing eyes for securing load.

Securing transported loads

WARNING

Incorrectly stowed objects can slip or be thrown into the interior, for example in an accident, during braking or evasive manoeuvres. Vehicle occupants could be hit and injured. Danger of injury. Stow and secure the objects and the load correctly.◄

- Smaller and lighter parts: secure with tensioning straps of various kinds.
- Relatively large and heavy objects: secure with lashing straps.

Fasten tensioning straps of various kinds to the lashing eyes in the boot.

Roof rack

Note

Fitting only possible with roof railing.

Roof racks are available as special equipment.

Fastening

Follow fitting instruction of the roof rack.

Loads

A loaded roof rack alters the vehicle's road behaviour and steering response by shifting its centre of gravity.

When loading and driving, bear the following in mind:

- Do not exceed permitted roof and axle load as well as the permitted gross weight.
- Make sure that there is sufficient space to raise and open the Glass Roof.
- Distribute the roof load evenly.
- The roof load must not be spread over a large area.
- Place heavy items of luggage at the bottom.
- Securely fasten roof rack, for example with tensioning straps.
- Do not allow objects to protrude into the swing range of the tailgate.
- Drive cautiously and avoid sudden acceleration, braking or cornering.

Towing a trailer or using rear luggage rack

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

General

The permitted trailer loads, axle loads, trailer nose weights and gross vehicle weight rating are specified in the technical data.

Possibilities to increase are known to the Service Partner or a qualified specialist workshop.

The vehicle is equipped with reinforced springs on the rear axle and, depending on the type, with a more powerful cooling system.

For Australia/New Zealand: note

Towing

Australian standard AS 4177.1-2004 Caravan and light trailer towing components – towbars and towing brackets contains the following statement, which is hereby accepted by the BMW Group Australia: FOR TOWING ONLY. The trailer tow hitch supplied with your BMW vehicle should only be used for towing and not in connection with any kind of transport device attached to the trailer tow hitch, i.e. bicycle carriers or similar.

As all BMW Group towbar assemblies are designed, tested and approved as a single unit, the practice of modifying or replacing the BMW supplied towball mount assembly is not approved. Use only the genuine BMW towball mount assembly.

BMW Group Australia does not recommend or support the installation and use of a Weight Distribution Hitch or Load Levelling Device on any BMW Group vehicles. The use of such devices may affect the vehicle's warranty status.

We recommend you consult your Authorised BMW Dealer for any further advice or clarification.

Before a journey

Trailer nose weight

If possible, the trailer should not have a trailer nose weight less than the minimum of 25 kg, approximately 55 lb, and also try to use the maximum trailer nose weight to the full extent.

The weight of the trailer tow hitch and the nose weight reduce the maximum load of the towing vehicle. The nose weight increases the vehicle weight. The total permitted weight of the towing vehicle must not be exceeded.

Loads

Distribute the load as evenly as possible over the loadbed.

Stow the load as low as possible and as close as possible to the trailer axle. A low centre of trailer gravity makes the vehicle combination much more stable and safe to drive.

The permitted total weight of the trailer and the permitted trailer load of the vehicle must not be exceeded. The smaller value is the limit which should be adhered to.

Tyre pressures

Check the vehicle's and the trailer's tyre pressures carefully.

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On the vehicle, the tyre inflation pressure, see page 200, for higher loads applies.

For the trailer, the regulations of the manufacturer apply.

Runflat indicator

Reinitialise the runflat indicator after a trailer has been attached or detached or the inflation pressure has been corrected.

Tyre Pressure Monitor

Reinitialise the Tyre Pressure Monitor after a trailer has been attached or detached or the inflation pressure has been corrected.

Exterior mirrors

Two exterior mirrors which bring both rear corners of the trailer into your field of view are required by law. Such mirrors are available as special equipment at a Service Partner or a qualified specialist workshop.

Power consumption

Before beginning your journey, check the function of the rear lights of the trailer or rear luggage rack.

Power of trailer rear lights or rear luggage rack lights must not exceed following values:

- Turn indicators: 42 Watts per side.
- Tail lights: 50 Watts per side.
- Brake lights: 84 Watts total.
- Rear fog lights: 42 Watts total.
- Reversing lights: 42 Watts total.

Keep the switch-on times of the current consumer units in the caravan mode short in order not to place an excessive load on the vehicle battery.

Towing a trailer

Information

WARNING

Speeds in excess of approximately 80 km/h, approximately 50 mph can be enough to produce a swaying or fishtailing motion, depending on the design of trailers and the loads they are carrying. Danger of accident or damage to property.

Keep to an appropriate speed when towing a trailer. In case of swaying or fishtailing motions, brake immediately and make the necessary steering corrections as carefully as possible.◂

WARNING

The tyre inflation pressure must be adapted because of the increased axle load when towing a trailer. Driving with an inadequate tyre inflation pressure can damage the tyres. Danger of accident or damage to property. Do not exceed a speed of 100 km/h/60 mph. Increase the tyre inflation pressure of the towing vehicle by 0.2 bar. Note the maximum possible tyre inflation pressure stated on the tyre.◂

Uphill gradients

In the interest of safety and to avoid holding up other traffic, do not attempt to climb gradients steeper than 12 % when towing a trailer.

If higher trailer loads are permitted later, the limit is 8 %.

Driving off on upward inclines

With Steptronic transmission: The parking brake is automatically released when the accelerator pedal is pressed.

To prevent the vehicle from rolling back when driving off, use the parking brake.

1.  Shortly before driving off, pull and hold the switch.

The parking brake remains held as long as the switch is pulled.

2. To drive off, apply the gas and release the switch.

Downhill gradients

On downward inclines, a vehicle combination has tendency to snake at an earlier stage.

Before the downward incline, shift down manually to the next-lowest gear and drive downwards slowly.

High loads and high outside temperature

ATTENTION

On long journeys with high trailer loads, a high outside temperature and a low fuel tank content, the fuel system can overheat and the engine power be reduced. Danger of damage to property. Refuel in good time. Make sure that on long journeys with high trailer loads and a high outside temperature, the fuel tank is more than 1/4 full.◄

Trailer Stability Control

Principle

The system helps you to neutralise a trailer's tendency to swing from side to side.

It detects snaking movements and promptly brakes the vehicle so that road speeds fall to below the critical range and the vehicle combination is stabilised.

If the power socket for the trailer is in use but no trailer is attached, for example during use of a bicycle carrier with lights, the system may become active in extreme driving situations.

Operating requirements

The system is operational when towing a trailer and when using the trailer socket as of approximately 65 km/h, 40 mph.

System limits

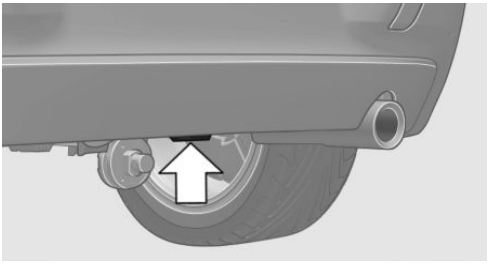
- The system cannot intervene if the trailer veers instantly, for example on slippery or loose road surfaces.
- Trailers with a high centre of gravity can tip over before a swinging motion is detected.
- The system is not operational if Dynamic Stability Control DSC is deactivated or has failed.

Not for Australia/New Zealand: Trailer tow hitch and bracket for rear luggage rack

Storage

Removable ball linkage is located under boot floor in on-board tool kit.

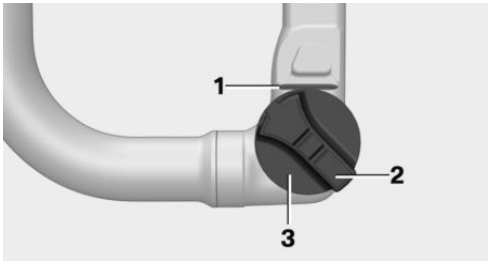
Take-up for ball linkage



The take-up of the removable ball linkage is on the underside of the vehicle.

Follow maintenance instructions, see page 239.

Ball linkage, overview



1 Marking red or green

2 Lock

3 Handwheel

Attaching ball linkage

Before attaching

If the key is not stopped in the lock, open the lock with the key.

Ball linkage can be inserted when red mark on handwheel is visible.

Inserting ball linkage

WARNING

Body parts can be trapped when inserting the ball linkage. Danger of injury. When inserting the ball linkage, make sure that the area of movement is free.◄

1. Pull bracket cover downwards and store in the vehicle.
2. Insert the ball linkage from underneath in the take-up and push upwards until it engages.
3. Lock the lock in the handwheel.
4. Remove the key.

Ball linkage is locked correctly when green mark on handwheel is visible.

Checking the interlock

WARNING

If the ball linkage is not locked, unstable driving statuses or accidents can result. Danger of accident or damage to property. Before a journey with a trailer or load carrier, check that the ball linkage is correctly locked.◄

Ensure that the ball linkage is properly engaged by shaking it.

If the ball linkage is not fitted firmly, check the following points:

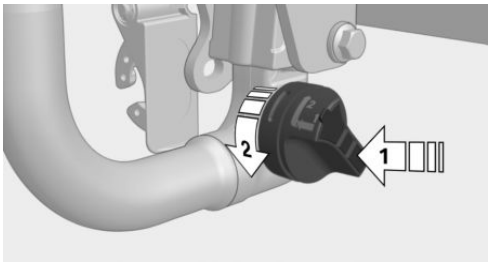
- Green mark on handwheel is visible.
- Ball linkage is located flush in bracket.
- The lock is locked and the key is removed.

Check with a Service Partner or a qualified specialist workshop if all points are met and the ball linkage is not firmly fitted.

Removing ball linkage

1. Insert key and unlock the lock in the handwheel.

   The key is stopped with the lock unlocked.
2. Hold ball linkage firmly.
3. Press handwheel, arrow 1, and turn in direction of arrow 2 up to stop.



4. Pull ball linkage from the take-up.
5. Let go of the handwheel, the key remains in the lock.
6. Insert cover in bracket.

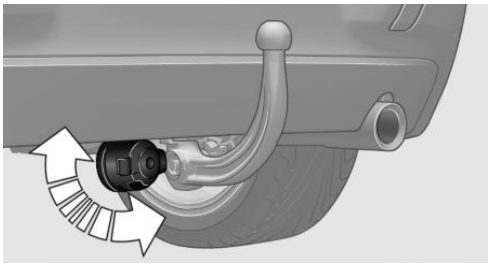
Trailer socket

The trailer socket is underneath the bumper next to the ball linkage.

Swivelling in and out

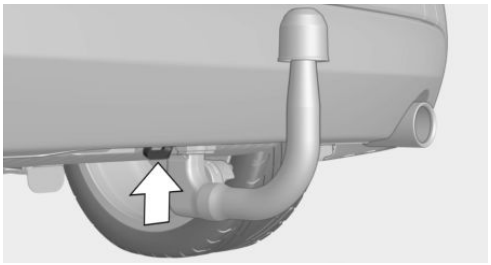
WARNING

The trailer socket can become hot due to exhaust gases. Danger of injury. Allow the trailer socket to cool before swivelling out◂



Swivel trailer socket in or out up to the end position.

Eye for securing cable



There is an eye on the trailer tow hitch bracket for attaching the trailer securing cable.

For increased safety when towing a trailer, attach the trailer securing cable to the eye.

Saving fuel

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

General

Your vehicle contains wide-ranging technologies for reducing consumption and emission levels.

Fuel consumption depends on various factors.

A number of measures, such as a moderate driving style and regular maintenance, can influence fuel consumption and reduce burden on environment.

Removing transported load that is not required

Extra weight increases fuel consumption.

Removing add-on parts after use

Remove auxiliary mirrors, roof racks and rear-mounted racks after use.

Add-on parts on the vehicle interfere with its aerodynamic performance and inflate fuel consumption.

Closing windows and the glass roof

An opened glass roof or opened window increases the drag coefficient and thus reduces the range.

Tyres

General

Tyres can have differing effects on fuel consumption. For example, fuel consumption can be affected by tyre size.

Checking tyre pressures regularly

Check and, if necessary, correct tyre inflation pressures at least twice a month and before setting off on a longer journey.

Insufficient tyre inflation pressure enlarges the rolling resistance and thus increases fuel consumption and tyre wear.

Setting off immediately

Do not warm up the engine with the vehicle at a standstill; it is preferable to set off straight away, driving at moderate engine speeds.

This brings the cold engine to operating temperature as quickly as possible.

Driving with foresight

Avoid accelerating and braking unnecessarily.

Keep an appropriate distance from the preceding vehicle.

Anticipating the road situation and adopting a smooth driving style will reduce fuel consumption.

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Avoid high engine speeds

Basic principle: driving at low engine speeds reduces fuel consumption and wear.

Use 1st gear to drive off. As from 2nd gear, accelerate quickly. Avoid high engine speeds and shift up quickly.

Shift into the highest possible gear when you have reached the desired speed and drive at a constant speed with the lowest possible engine speed.

Pay attention to the shift point indicator in the vehicle, if fitted, see page 93.

Using overrun mode

When approaching a red traffic light, take your foot off the accelerator and allow the vehicle to roll.

On downward stretches, take your foot off the accelerator and allow the vehicle to roll.

The fuel supply is interrupted when coasting.

Switching off engine if stopping for a relatively long time

When you stop the vehicle for longer periods, for example at traffic lights, railway crossings or in traffic jams, switch off the engine.

Auto Start Stop function

The Auto Start Stop function of your vehicle shuts off the engine automatically during a stop.

If the engine is switched off and then started again, the fuel consumption and emissions are reduced compared with a permanently running engine. Savings can be made just by stopping the engine for a few seconds.

Fuel consumption also depends on other factors, such as driving style, road condition, maintenance or environmental factors, for example.

Switching off functions that are not necessary at the moment

Functions such as seat heating or heated rear window require a great deal of energy and reduce the range, especially in city traffic and stop-and-go traffic.

Switch these functions off if they are not required.

The ECO PRO drive program supports energy-saving use of comfort functions. These functions are automatically deactivated wholly or partially.

Having the maintenance done

Have the vehicle serviced regularly to achieve optimal economy and lifetime. Have maintenance carried out by a Service Partner or a qualified specialist workshop.

Please also see the BMW Maintenance System, see page 216.

ECO PRO

Principle

ECO PRO supports a low energy consumption driving style. To do this, the engine control and comfort functions are adjusted, such as, for example, the air conditioning power.

In the instrument cluster, the extension of the range achieved as a result can be displayed as a bonus range.

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Activating ECO PRO

Press the button until ECO PRO is displayed in the instrument cluster.

Configuring ECO PRO

Via driver experience switch

1. Activate ECO PRO.
2. "Configure ECO PRO"
3. Configure the program.

Via iDrive

1. "Settings"
2. "ECO PRO mode"

Or

1. "Settings"
2. "Driving mode"
3. "Configure ECO PRO"

Configure the program.

ECO PRO tip

▷ "Tip at:":

Set ECO PRO speed.

▷ "ECO PRO limit":

The power is reduced when the set ECO PRO speed is reached.

ECO PRO air conditioning

"ECO PRO climate control"

The air conditioning is adjusted for efficient fuel consumption.

A slight deviation from the temperature set such as a longer heating up and/or cooling down of the interior is therefore possible, in order to lower consumption.

Mirror heating is available when the temperature outside is low.

ECO PRO potential

It is shown how much percentage of the possible saving potential can be achieved with the current configuration.

Display in the instrument cluster

ECO PRO bonus range

An extension of range can be achieved due to adjusted driving style.

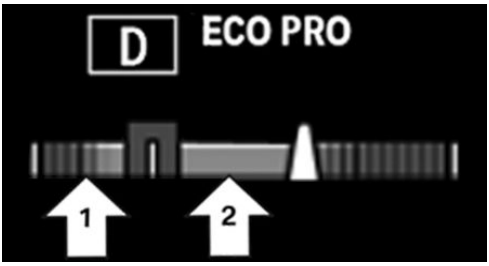
This can be displayed as bonus range in the instrument cluster.

The bonus range is contained in the display of the range.

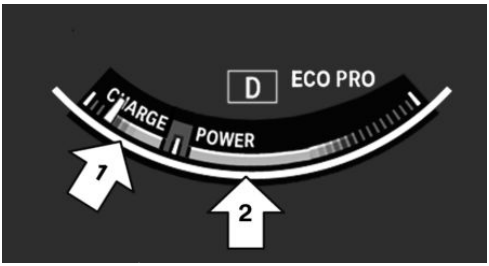
After filling up, the bonus range is automatically reset.

Efficiency display

Display in the instrument cluster



Display in instrument cluster with extended functionality



A mark in the efficiency display provides information about the current driving style.

Marking in area arrow 1: display of the energy recuperation by rolling off or when braking.

Marking in area arrow 2: display when accelerating.

The efficiency of the driving style is shown by the colour of the bar:

- Blue display: efficient driving style as long as the marking moves in the blue area.
- Grey display: adjust driving style, for example, by coming off the gas.

The display changes to blue as soon as all the conditions for driving with optimised fuel consumption are met.

Information

The efficiency display and ECO PRO tips in the instrument cluster are displayed if the ECO PRO display is activated.

Activate display of driving style and ECO PRO tips:

1. "Settings"
2. "Instr. cluster display"
3. "ECO PRO information"

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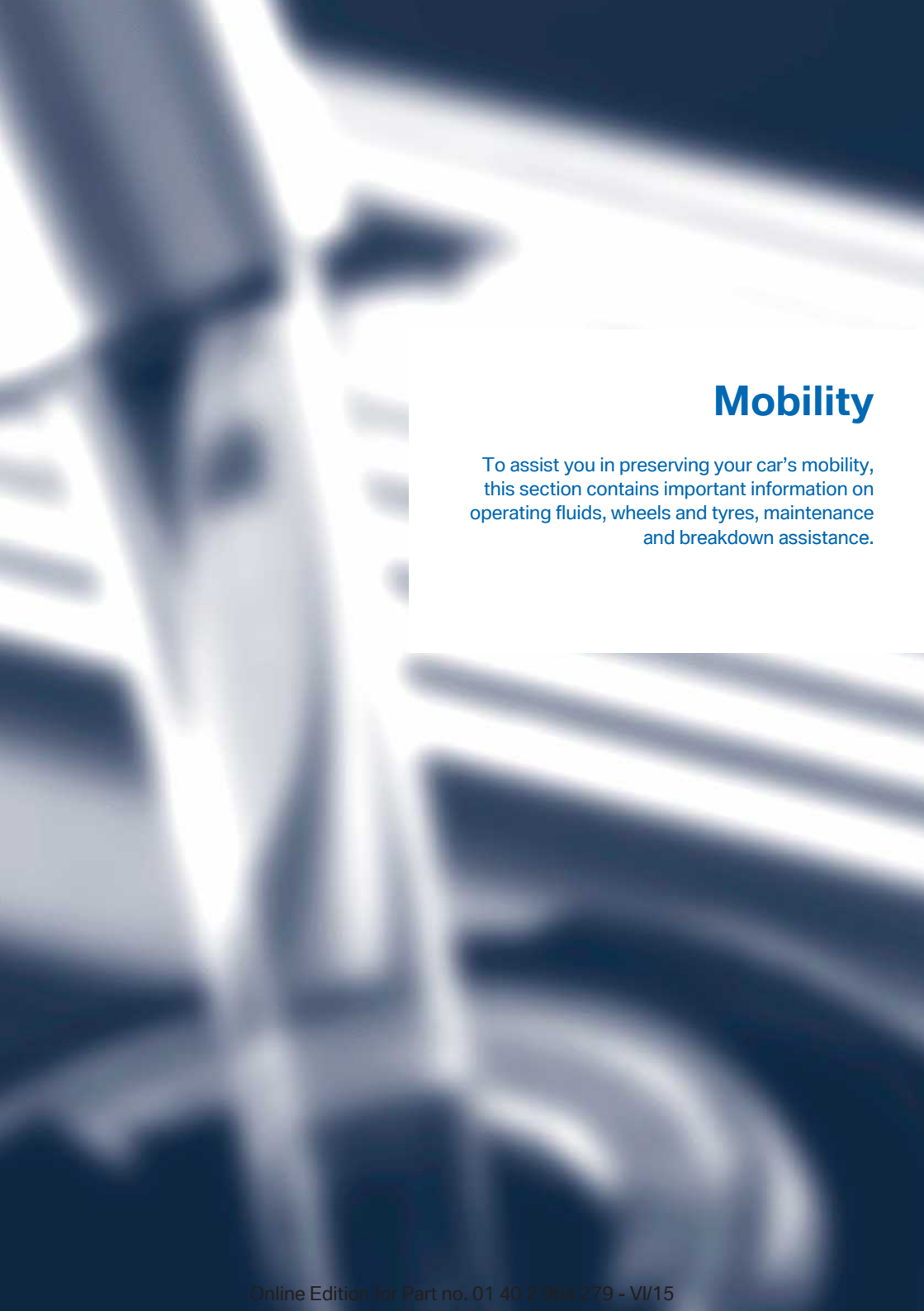

Mobility

To assist you in preserving your car's mobility, this section contains important information on operating fluids, wheels and tyres, maintenance and breakdown assistance.

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Refuelling

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Notes

Before refuelling, observe notes on fuel quality, see page 198.

ATTENTION

If the range drops below 50 km, approx. 30 miles, the engine could not be supplied anymore with sufficient fuel. Engine functions are not ensured anymore. Danger of damage to property. Refuel in good time.◄

For diesel engines

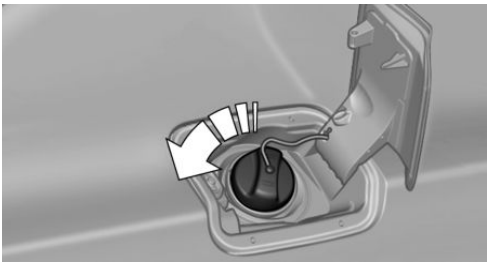
The filler neck is designed for refuelling at diesel pumps.

Fuel tank cap

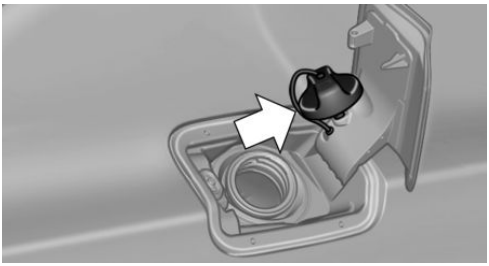
Opening

1. Briefly press rear edge of fuel filler flap.

2. Turn the fuel tank cap anticlockwise.



3. Place the fuel tank cap in the holder on the fuel filler flap.



Closing

1. Fit the tank cap and turn clockwise until it is clearly heard to click into place.
2. Close fuel filler cap.

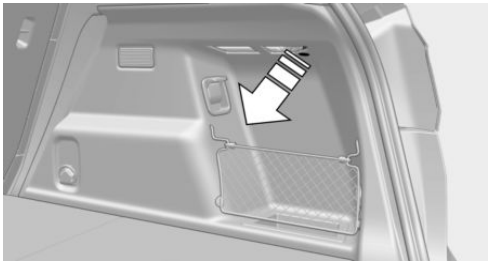
WARNING

The retaining strap of the fuel tank cap can be clamped and crushed when screwing closed. This means the cap cannot be closed correctly, and fuel vapours or fuel can emerge. Danger of injury or damage to property. Make sure that the retaining strap does not get trapped and crushed when closing the cap.◄

Unlocking fuel filler flap manually

For example, with an electrical fault.

The unlocking mechanism is in the boot.



Pull the green tag with the fuel pump symbol. Fuel filler flap is unlocked. Briefly press rear edge of fuel filler flap to open, see page 196.

Note when refuelling

ATTENTION

Fuels are poisonous and aggressive. Overfilling the fuel tank can damage the fuel system. If it comes into contact with painted surfaces, it can damage them. This pollutes the environment. Danger of damage to property. Avoid overfilling.◄

When refuelling, insert the filler nozzle fully into the filler neck. Lifting the filler nozzle during refuelling results in the following:

- The fuel supply being cut off prematurely.
- Fuel vapour and fumes being fed back less effectively.

The fuel tank is full when the filler nozzle cuts out for the first time.

Comply with the safety regulations displayed at filling stations.

Fuel

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Fuel quality

General

Depending on the region, many filling stations sell fuel that is adapted to the conditions in winter or summer. Fuel that is sold in winter facilitates cold starting, for example.

Note

ATTENTION

Even fuels corresponding to the specifications may be of low quality. Engine problems can arise, for example poor engine starting, impaired driving properties or reduced performance. Danger of damage to property. In the case of engine problems, use a different filling station or refuel with a higher octane fuel from a brand maufacturer.◄

Petrol

For optimal fuel consumption, the petrol should be sulphur-free or as low in sulphur content as possible.

Fuels labelled on the pump as containing metal must not be used.

ATTENTION

Even small quantities of the wrong fuel or wrong fuel additives can damage the fuel system and engine. In addition, the catalytic converter will be permanently damaged. Danger of damage to property. Do not use the following fuel or additives with petrol engines:

- Leaded petrol.
- Metallic additives, for example manganese or iron.

After filling the wrong fuel, do not press the start/stop button. Contact a Service Partner or a qualified specialist workshop.◄

You can fill up with fuels with a maximum proportion of ethanol of 25 %, for example E10 or E25.

ATTENTION

Incorrect fuels can damage the fuel system and engine. Danger of damage to property. Do not fill with any fuels that either have a higher ethanol content than recommended or that contain methanol, for example M5 to M100.◄

The engine has anti-knock control. This means that different petrol grades can be used.

Petrol grade

Super with RON 95.

Minimum grade

Unleaded petrol with RON 91.

ATTENTION

Fuel below the specified minimum quality can impact the engine function or lead to engine damage. Danger of damage to property. Do not refuel petrol below the specified minimum quality.◄

Diesel

ATTENTION

Even small quantities of the wrong fuel or wrong fuel additives can damage the fuel system and engine. Danger of damage to property.

Note the following with diesel engines:

- Do not fill with rapeseed methyl ester RME.
- Do not fill with biodiesel.
- Do not fill up with petrol.
- No diesel additives.

After filling the wrong fuel, do not press the start/stop button. Contact a Service Partner or a qualified specialist workshop.◄

Diesel quality

The engine is designed to run on diesel fuel to DIN EN 590.

Wheels and tyres

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Tyre pressures

Information for your safety

A tyre's condition and pressure influence the following:

- Operating life of the tyre.
- Driving safety.
- Driving comfort.

Checking tyre pressures

WARNING

A tyre with inadequate or missing tyre inflation pressure impairs driving properties, for example steering and braking. Danger of accidents. Check tyre inflation pressure regularly and adjust as necessary, for example twice a month or before any long journey.◄

Additionally, regularly check the tyre inflation pressure of the emergency wheel in the boot and correct the pressure if necessary.

Tyres have a natural, uniform tyre pressure loss.

Tyres heat up when driving and with the temperature of the tyre, the tyre filling pressure increases. The tyre filling pressure data relate to cold tyres or tyres at ambient temperature.

Only check the tyre pressure when the tyres are cold. In other words, after driving for a maximum of 2 km or if the vehicle has been parked for at least 2 hours.

Inflating devices can display a pressure as much as 0.1 bar too low.

With runflat indicator: reinitialise the runflat indicator after adjusting tyre pressures.

With tyre pressure monitor: reset the tyre pressure monitor after adjusting the tyre pressure to a new value.

Tyre inflation pressures

The tyre inflation pressures for the tyre sizes categorised by the vehicle manufacturer as suitable for the respective vehicle type can be found on the door pillar of the driver's door.

If the speed letter of the tyre cannot be found, the tyre inflation pressure of the corresponding size applies. The tyre inflation pressure data apply to tyres at ambient temperature.

For Australia/New Zealand

WARNING

The inflation pressures on the tyre label are applicable only for tyres explicitly mentioned on the label. Since inflation pressures for tyres that may be covered by the label – by size, speed category and load rating/load index – but not explicitly mentioned on the label may be different. Please obtain adequate inflation

pressures in accordance with the tyre manufacturer's specifications at your tyre dealer.◀

Tyre sizes

The pressure values apply for the tyre sizes categorised by the vehicle manufacturer as suitable and the tyre makes recommended for the respective vehicle type.

More information regarding wheels and tyres can be enquired with a Service Partner or a qualified specialist workshop.

Tyre tread

Summer tyres

The tyre tread depth should not be less than 3 mm, 0.12 in.

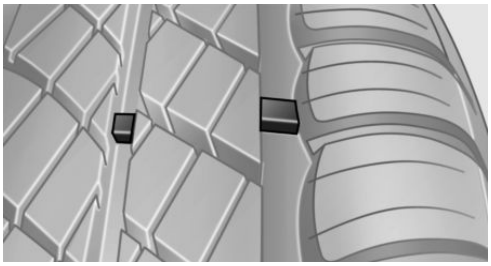
Below a tread depth of 3 mm, approximately 0.12 in, there is a high risk of aquaplaning.

Winter tyres

The tyre tread depth should not be less than 4 mm, approximately 0.16 in.

Below a tread depth of 4 mm, approximately 0.16 in, suitability for vehicle operation in winter is restricted.

Minimum tread depth



Wear indicators are distributed across the tyre circumference and have the legally prescribed minimum height of 1.6 mm, approximately 0.06 in.

They are identified on the tyre's side wall by TWI, Tread Wear Indicator.

Tyre damage

General

Inspect tyres frequently for damage, the presence of foreign bodies and wear.

Notes

Vehicle behaviour that is an indication of tyre damage or other faults:

- Unusual vibrations during the journey.
- Unusual vehicle response, such as pronounced pulling to the left or right.

Damage can be caused by, for example, running over kerbs, road damage etc.

WARNING

Damaged tyres can lose tyre inflation pressure, which can lead to loss of control over the vehicle. Danger of accidents. If you get a note about tyre damage during the journey, immediately reduce speed and come to a halt. Have the wheels and tyres checked. To do this, carefully drive to the nearest Service Partner or a qualified specialist workshop. If necessary, have the vehicle towed or transported there.◀

WARNING

Damaged tyres can lose tyre inflation pressure, which can lead to loss of control over the vehicle. Danger of accidents. Do not repair damaged tyres, have them renewed instead.◀

Age of tyres

Recommendation

Irrespective of wear, change tyres after six years at the latest.

Date of manufacture

On the tyre side wall:

DOT ... 0115: the tyre was made in the 1st week of 2015.

Replacement of wheels and tyres

Fitting

Have fitting and balancing performed by a Service Partner or a qualified specialist workshop.

Wheel and tyre combination

The correct wheel and tyre combination and rim designs for the vehicle can be consulted at a Service Partner or a qualified specialist workshop.

Incorrect wheel and tyre combinations will interfere with the proper functioning of various systems, such as ABS and DSC.

To maintain good vehicle handling, always fit tyres of the same make and tread pattern to all wheels.

After a tyre has been damaged, fit the original wheel and tyre combination again.

WARNING

Wheels and tyres that are categorised as unsuitable by the vehicle manufacturer can damage parts of the vehicle, for example by touching the bodywork as a result of tolerances, in spite of having the same nominal size. Danger of accidents. Use wheels and tyres that have been categorised as suitable for the respective vehicle type by the vehicle manufacturer.◀

Recommended makes of tyre

Certain makes of tyre are recommended by the manufacturer of your vehicle depending on tyre size. These can be seen by the asterisk on the side wall of the tyre.

New tyres

New tyres do not achieve their full road grip immediately, for production reasons.

During the first 300 km, 200 miles, drive moderately.

Retreaded tyres

The manufacturer of your vehicle advises against the use of retreaded tyres.

WARNING

Retreaded tyres can have various tyre carcasses. Their durability may be reduced with increasing age. Danger of accidents. Do not use retreaded tyres.◀

Winter tyres

For operation on wintry carriageways, winter tyres are recommended.

Although so-called all-season tyres with an M +S label have better winter characteristics than summer tyres, they do not normally match the performance of winter tyres.

Maximum speed of winter tyres

If the vehicle is capable of speeds higher than the speed permitted for the winter tyres, an information sticker stating the maximum permit-

ted speed for the tyres fitted must be displayed in the driver's field of view. The sticker is available from a Service Partner or a qualified specialist workshop.

If winter tyres are fitted, observe and comply with the respectively permitted maximum speed.

Run-flat tyres

For your own safety, when using run-flat tyres, do not mix with other types of tyre. There is no spare wheel available in the event of a breakdown. A Service Partner or a qualified specialist workshop will be happy to answer any further questions.

Interchanging front and rear wheels

Different tread wear patterns arise on the wheels of the front and rear axles, depending on the individual operating conditions. To achieve even wear, it is possible to swap the wheels over from one axle to the other. A Service Partner or a qualified specialist workshop will be happy to answer any further questions. After changing, check the tyre inflation pressure and adjust if necessary.

Tyre storage

Store wheels and tyres in a cool, dry and preferably dark place when not in use.

Protect tyres against contamination from oil, grease and fuel.

Do not exceed the maximum tyre pressure indicated on the tyre's side wall.

Run-flat tyres

Label

RSC marking on the tyre side wall.

These wheels consist of tyres that are self-supporting within certain limitations, and special rims.

The reinforced side wall means that the tyre keeps the vehicle mobile to a degree even if tyre pressure has been lost.

Observe the information on continuing to drive with a flat tyre.

Changing run-flat tyres

For your own safety, use only run-flat tyres. There is no spare wheel available in the event of a breakdown. A Service Partner or a qualified specialist workshop will be happy to answer any further questions.

Remedying flat tyres

Safety measures

- Park the vehicle on a solid surface and as far away from moving traffic as possible.
- Switch on hazard warning lights.
- Protect the vehicle against rolling, by applying the parking brake.
- Engage the steering wheel lock in the straight ahead position of the wheels.

- Allow all vehicle occupants get out of the vehicle and guide them out of the danger area, for example behind the crash barrier.
- Set up warning triangle an appropriate distance away.

Mobility system

Principle

With the mobility system, minor tyre damage can be quickly sealed, to allow you to drive on. To do that, liquid sealant is pumped into the tyres which encloses the damage from the inside when it hardens.

The compressor can be used to check the tyre inflation pressure.

Notes

- Please observe the notes on the application of the Mobility system which are on the compressor and the sealant container.
- Applying the Mobility system can be ineffective for tyre damage as from a size of approximately 4 mm.
- Contact a Service Partner or a qualified specialist workshop if you are unable to put the tyre back in operation.
- If possible, foreign matter that has penetrated the tyre should remain inside the tyre.
- Remove the speed limit sticker from the sealant container and attach to the steering wheel.
- Using sealants can damage the TPM wheel electronics. If sealant is used, check the electronics as soon as you get an opportunity and have them replaced if necessary.

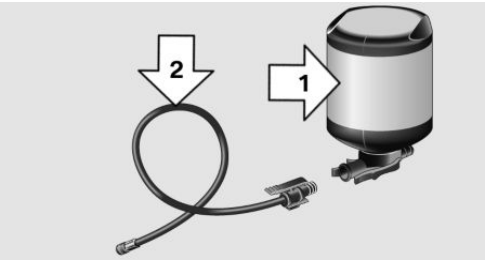
DANGER

A blocked exhaust pipe or inadequate ventilation can allow harmful exhaust fumes to penetrate the vehicle. The exhaust gas contains carbon monoxide, which is colourless and odourless, but highly toxic. In enclosed spaces, the exhaust fumes can also build up outside the vehicle. Danger of fatal injury. Keep the exhaust pipe clear and ensure sufficient ventilation.◄

Storage

Mobility system is located under boot floor.

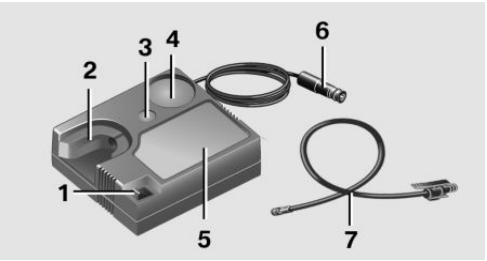
Sealant container



- Sealant container, arrow 1.
- Filler hose, arrow 2.

Note the use-by date on the sealant container.

Compressor



1 On/Off button
2 Mounting for cylinder
3 Reduce tyre inflation pressure
4 Tyre inflation pressure display
5 Compressor
6 Plug/cable for socket
7 Connecting hose — stored in the compressor floor

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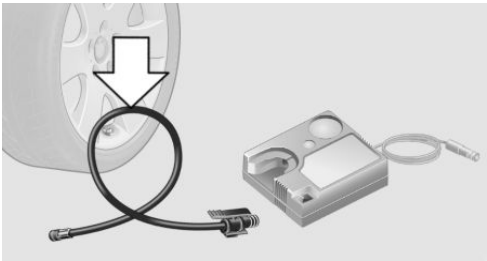
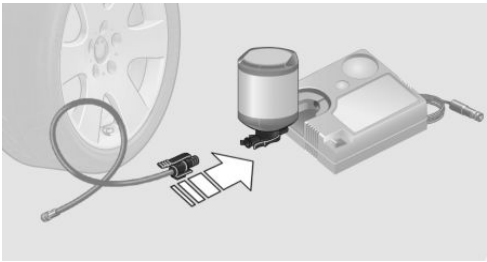
Filling with sealing compound

1. Shake the sealant container.

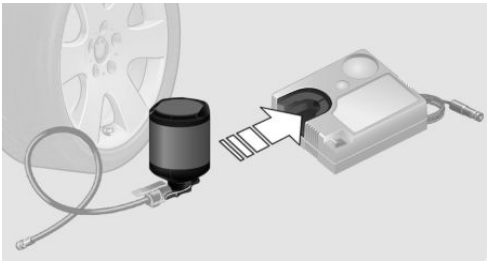
2. Take the connecting hose entirely from the compressor housing. Do not kink the hose.



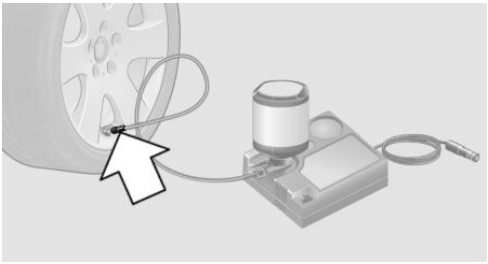
3. Plug the connecting hose onto the connector of the sealant container until it clicks.



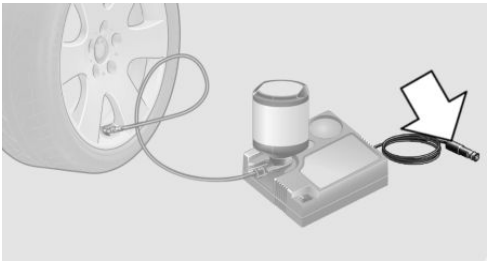
4. Push the sealant container upright into the bracket on the compressor housing, until it clicks.



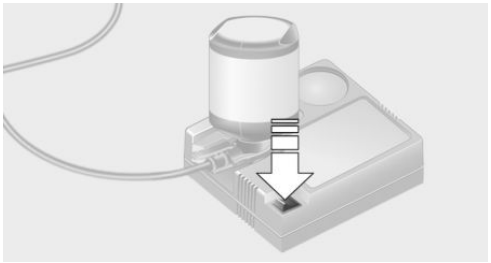
5. Screw the connecting tube onto the tyre valve of the faulty wheel.



6. Insert the plug into a socket in the vehicle while the compressor is switched off.



7. Switch on the compressor with the ignition switched on or the engine running.



ATTENTION

The compressor can overheat if operated for too long. Danger of damage to property. Do not let the compressor run for longer than 10 minutes.◄

Let the compressor run for approximately three to 8 minutes to fill the sealing compound and achieve a tyre inflation pressure of approximately 2.5 bar.

The tyre inflation pressure may rise to approximately 5 bar during the filling process of the sealing compound. Do not switch off the compressor during this step.

If it does not reach a tyre inflation pressure of 2 bar:

1. Switch off compressor.
2. Remove the filler hose from the wheel.
3. Drive forwards and backwards by 10 m, approximately 400 inches to distribute the sealant in the tyre.
4. Re-inflate the tyre with the compressor.

   Contact a Service Partner or a qualified specialist workshop if the device does not reach a tyre inflation pressure of 2 bar.

Storing Mobility system

1. Pull the connecting hose of the sealant container off the wheel.
2. Pull the connecting hose off the sealant container.
3. Pack empty sealant container and connecting hose to avoid soiling in the boot.
4. Store Mobility system in the vehicle again.

Spreading sealant compound

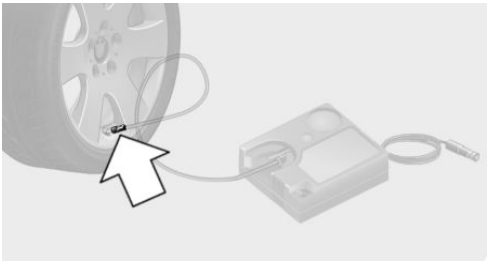
Immediately drive for approximately 10 km/5 mi to evenly distribute the sealing compound in the tyre.

Do not exceed a speed of 80 km/h/50 mph.

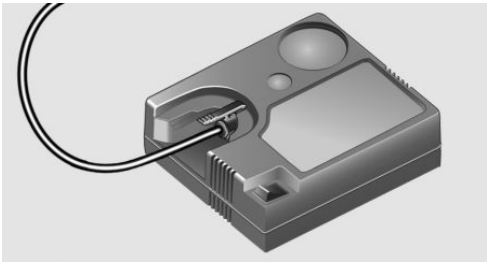
If possible, do not drive slower than 20 km/h/12 mph.

Correcting the tyre inflation pressure

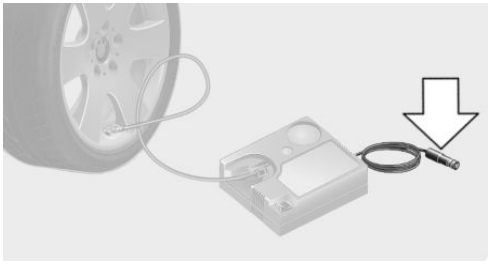
1. Stop in a suitable area.
2. Screw connecting hose onto the tyre valve.



3. Plug the connecting hose directly into the compressor.



4. Insert a plug into the socket in the vehicle.



5. Correct tyre inflation pressure to 2.5 bar.
   - ▷ Increase pressure: switch on the compressor with the engine running or the ignition switched on.
   - ▷ Reduce pressure: press the button on the compressor.

Continuing with journey

Do not exceed maximum permitted speed of 80 km/h, approximately 50 mph.

Reinitialise runflat indicator.

Reinitialise Tyre Pressure Monitor.

Have the punctured tyre and the sealant container of the Mobility system replaced as soon as possible.

Snow chains

Fine-link snow chains

Only certain fine-link snow chains have been tested, found safe for use in traffic, and categorised as suitable by the manufacturer of your vehicle.

Information regarding suitable snow chains is available from a Service Partner or a qualified specialist workshop.

Using

Snow chains may only be used in pairs on the front wheels with tyres of the following sizes:

- ▷ 205/60 R 17

Observe the snow chain manufacturer's notes.

Ensure that the snow chains are always adequately taut. Re-tighten them if necessary in accordance with the chain manufacturer's instructions.

Do not initialise the runflat indicator with snow chains fitted, as the instrument might otherwise issue an incorrect reading.

Do not initialise the Tyre Pressure Monitor with snow chains fitted, as the instrument might otherwise issue an incorrect reading.

When driving with snow chains, activate Dynamic Traction Control briefly if necessary.

Maximum speed with snow chains

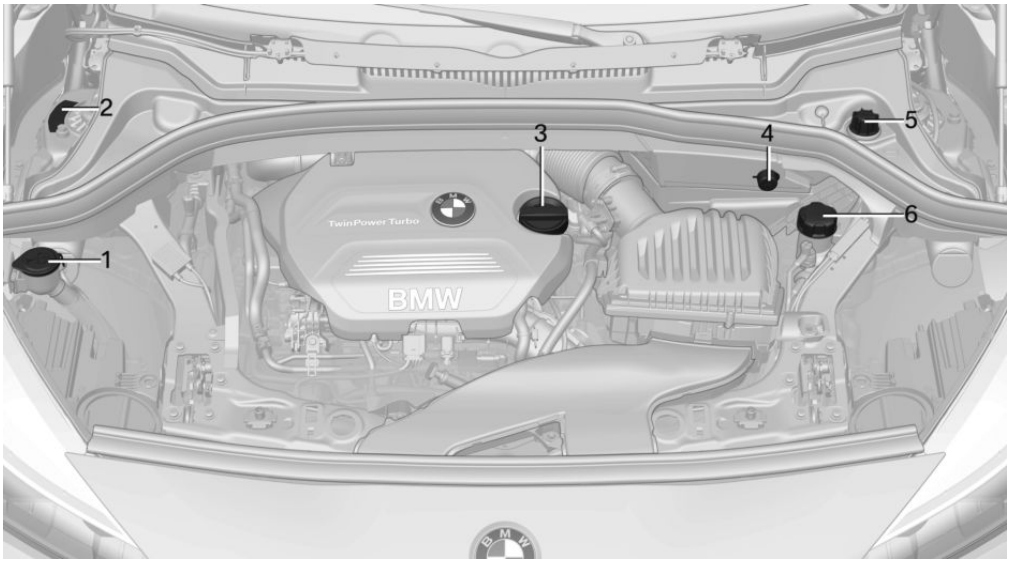
When snow chains are fitted, do not exceed 50 km/h, 30 mph.

Engine compartment

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Engine compartment quick reference guide



1 Filler neck for washing fluid
2 Vehicle identification number
3 Oil filler neck
4 Starting assistance, positive battery terminal
5 Starting assistance, negative battery terminal
6 Coolant tank

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Bonnet

Notes

WARNING

Incorrectly performed work in the engine compartment can damage components and lead to a safety risk. Danger of accident or damage to property. Have work in the engine compartment carried out by a Service Partner or a qualified specialist workshop.◄

WARNING

The engine compartment contains moving components. Certain components can also move in the engine compartment when the vehicle is switched off, for example the radiator fan. Danger of injury. Do not reach into the area of moving parts. Keep articles of clothing and hair away from moving parts.◄

ATTENTION

When wipers are folded away from the windscreen, they can be trapped when the bonnet is opened. Danger of damage to property. Before opening the bonnet, make sure that the wipers with wiper blades fitted are in contact with the windscreen.◄

WARNING

The bonnet has projecting parts on the inside, for example locking hooks. Danger of injury. When the bonnet is open, watch out for projecting parts and keep these areas clear.◄

WARNING

If the bonnet is not correctly locked, it can come open during the journey and impair visibility. Danger of accidents. Stop immediately and close the bonnet correctly.◄

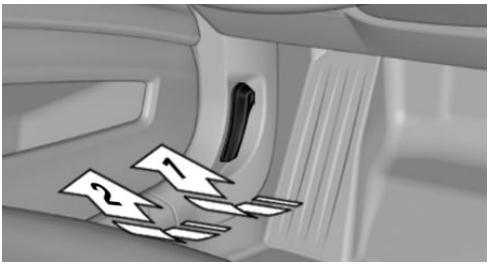
WARNING

Parts of the body can become trapped when opening and closing the bonnet. Danger of injury. When opening and closing, make sure that the area of movement of the bonnet is free.◄

Opening bonnet

1. Pull lever, arrow 1.

   Bonnet is released.



2. After releasing the lever, pull lever again, arrow 2.

   Bonnet is opened.

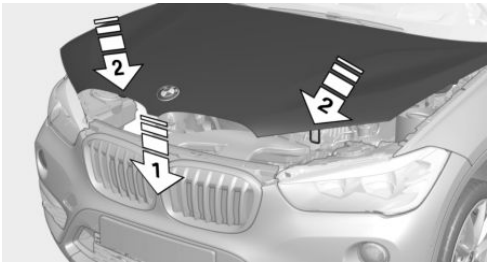
Indicator and warning lamps

With the bonnet unlocked, a Check Control message is shown.

Closing bonnet

1. Allow bonnet to drop from approximately 40 cm, approximately 16 in in height, arrow 1.

   The bonnet must audibly engage into place on both sides.



2. If necessary, press down evenly in area of bonnet locks, arrows 2, to lock bonnet completely again.

Engine oil

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

General

The engine oil consumption depends on the driving style and operating conditions.

Engine oil consumption can be increased, for example, in the following situations:

- Dynamic driving style.
- Running in the engine.
- Engine idling.
- Use of engine oil grades categorised as unsuitable.

Therefore check the engine oil level regularly after each time you fill up with fuel.

The vehicle has electronic oil measurement.

Electronic oil measurement has two measurement principles:

- Status display
- Detailed measurement

Electronic oil measurement

Status display

Principle

The engine oil level is electronically monitored during the journey and shown on the Control Display.

If the engine oil level reaches the minimum, a Check Control message is shown.

Requirements

A current measurement is available after approximately 30 minutes of driving. With a shorter trip, the status of the last sufficiently long trip is shown.

When frequently making short trips, regularly take a detailed measurement.

Displaying engine oil level

1. "Vehicle information"
2. "Vehicle status"
3. "Engine oil level"

Messages for the engine oil level

ATTENTION

Too little engine oil causes engine damage. Danger of damage to property. Immediately replenish engine oil.◀

Ensure not to top up with too much engine oil.

ATTENTION

Too much engine oil can damage the engine or the catalytic converter. Danger of damage to property. Do not top up with too much engine oil. If you fill too much engine oil, have the excess extracted by a Service Partner or a qualified specialist workshop.◀

Different messages are shown on the display, depending on the engine oil level. Follow these messages.

If there is too little engine oil, within the next 200 km, approximately 120 miles top up engine oil, see page 211.

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Detailed measurement

Principle

In the detailed measurement, the engine oil level is checked and shown on a scale.

With a petrol engine:

If the engine oil level reaches the minimum, a Check Control message is shown.

With diesel engine:

If the engine oil level reaches the minimum or an overfill is established, a Check Control message is shown.

During the measurement, the idle speed is slightly raised.

Requirements

- Vehicle is on an even road.
- Manual gearbox: gear lever in neutral position, clutch and accelerator pedal not depressed.
- Steptronic transmission: selector lever in selector lever position N or P and accelerator pedal not depressed.
- Engine is running and is at operating temperature.

Carrying out a detailed measurement

Carry out a detailed measurement of the engine oil level:

1. "Vehicle information"
2. "Vehicle status"
3. "Measure engine oil level"
4. "Start measurement"

The engine oil level is checked and shown on a scale.

Duration: approximately 1 minute.

Adding engine oil

Notes

ATTENTION

Too little engine oil causes engine damage. Danger of damage to property.

Top up the engine oil within the next 200 km, approximately 120 miles.◄

ATTENTION

Too much engine oil can damage the engine or the catalytic converter. Danger of damage to property. Do not top up with too much engine oil. If you fill too much engine oil, have the excess extracted by a Service Partner or a qualified specialist workshop.◄

WARNING

Service products, for example oils, greases, coolants and fuels, can contain substances that are harmful to health. Danger of injury or life. Comply with the notes on the containers. Do not allow service products to come into contact with clothing, skin eyes. Do not pour service products into other bottles. Keep service products out of the reach of children.◄

General

Do not top up engine oil unless message is displayed in instrument cluster. The top-up amount is specified in the message on the instrument cluster.

Switch off the ignition and securely stop the vehicle before topping up with engine oil.

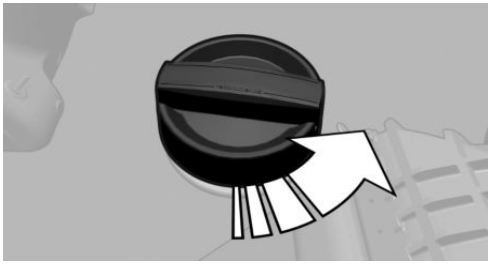
Overview

The oil filler neck is in the engine compartment, see page 208.

Opening the oil filler neck

1. Open bonnet, see page 209

2. Open the oil filler neck anticlockwise.



3. Add engine oil.

Make a detailed measurement, see page 211, after topping up.

Engine oil types for topping up

Notes

ATTENTION

Oil additives can damage the engine. Danger of damage to property. Do not use oil additives.◄

ATTENTION

Incorrect engine oil can lead to engine malfunctions and damage. Danger of damage to property. When selecting the engine oil, make sure that the viscosity class of the engine oil is correct.◄

The engine oil quality is decisive for the lifetime of the engine.

Several engine oil types are not available in all countries.

Viscosity classes

When selecting an engine oil, ensure that the engine oil has one of the viscosity classes SAE 0W-40, SAE 0W-30, SAE 5W-40, SAE 5W-30, 0W-20 or 5W-20.

Viscosity classes 0W-20 or 5W-20 are only suitable for certain engines.

Further information regarding suitable oil specifications and viscosities of engine oils can be enquired with a Service Partner or a qualified specialist workshop.

Suitable engine oil grades

Engine oils with following oil specifications can be topped up:

Petrol engine
BMW Longlife-01.
BMW Longlife-01 FE.
BMW Longlife-04.
BMW Longlife-12 FE.
BMW Longlife-14 FE+.

Diesel engine
BMW Longlife-04.
BMW Longlife-12 FE.

The oil specification BMW Longlife-12 FE+ is only suitable for certain diesel engines.

Further information regarding suitable oil specifications and viscosities of engine oils can be enquired with a Service Partner or a qualified specialist workshop.

Alternative engine oil types

If suitable engine oils are not available, up to 1 litre, approx. 2 pints of an engine oil with the following oil specification can be used for topping up:

Petrol engine
ACEA A3/B4.

Diesel engine
ACEA C3.

Oil change

ATTENTION

Engine oil not replaced in time can lead to increased engine wear and thus engine damage. Danger of damage to property. Do not exceed the service date indicated in the vehicle.◄

The manufacturer of the vehicle recommends having the engine oil changed by a Service Partner or a qualified specialist workshop.

BMW recommends
Original BMW Engine Oil.

Coolant

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Notes

WARNING

If the cooling system is opened when the engine is hot, coolant can escape and cause scalds. Danger of injury. Only open the cooling system when the engine has cooled down.◂

WARNING

Additives are harmful to health and incorrect additives can damage the engine. Danger of injury and damage to property. Do not allow additives to come into contact with clothing, skin or eyes, and do not swallow them. Only use suitable additives.◂

Coolant is a mixture of water and an additive.

Not all commercially available additives are suitable for the vehicle. Information regarding suitable additives is available from a Service Partner or a qualified specialist workshop.

Coolant level

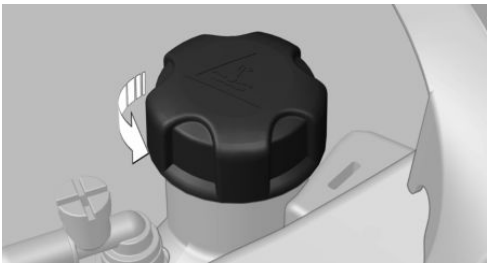
Overview

Depending on the engine version, the coolant tank is located on the right or left of the engine compartment.

Checking

In the coolant tank there are yellow Min and Max markings.

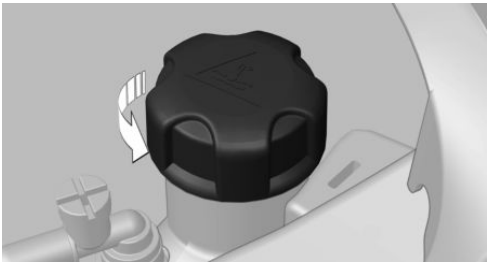
1. Allow the engine to cool down.
2. Turn cap on coolant tank slightly anti-clockwise until it starts to open, then allow the pressure to escape.



3. Open cap on coolant tank.
4. The coolant level is correct if it is between the Min. and Max. marks in the filler neck.

Topping up

1. Allow the engine to cool down.
2. Turn the cap on the coolant tank slightly anti-clockwise until it starts to open, then allow the pressure to escape before opening it fully.



3. If necessary, slowly top up to the correct level; do not overfill.

4. Tighten cap.
5. Have the cause of coolant loss rectified as soon as possible.

Disposal

When disposing of coolant and coolant additives, comply with the relevant environmental protection regulations.

Maintenance

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

BMW Maintenance System

The maintenance system points out the necessary maintenance measures and so supports in maintaining the road and operational safety of the vehicle.

Scopes and intervals may vary depending on national version. Replacement work, spare parts, operating materials and wear material are calculated separately. Further information is available from a Service Partner or a qualified specialist workshop.

Condition Based Service, CBS

Sensors and advanced algorithms monitor the conditions in which your vehicle is used. Condition Based Service uses this information to calculate the maintenance requirements.

The system thus enables adaptation of the scope of maintenance to the individual usage profile.

Detailed information on service requirements, see page 91, can be displayed at the Control Display.

Service data in the remote control

Information on maintenance requirements is continually saved in the remote control. The Service Partner or a qualified specialist workshop can read out this data and suggest an optimised maintenance scope for your vehicle.

This is why you should hand over the remote control that was last used for driving to your service advisor with the vehicle.

Periods out of use

Immobilisation periods with the vehicle battery disconnected are not taken into account.

Updating the time-dependent maintenance scope such as brake fluid and any engine oil and microfilter or activated carbon filter can be done by a Service Partner or a qualified specialist workshop.

Service history

Have maintenance and repair carried out by a Service Partner or a qualified specialist workshop.

The maintenance work carried out is entered in the proof of maintenance and the vehicle data. The entries are, just like a service booklet, evidence of regular maintenance.

If an entry is made in the electronic service history of the vehicle, service-relevant data is not only saved in the vehicle but also on the central IT systems of BMW AG, Munich.

The data entered in the electronic service history can also be viewed by the new vehicle owner after a change of vehicle owner. In addition, all Service Partners and other authorised and qualified specialist workshops can view the data entered in the electronic service history.

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The vehicle owner can contact his/her Service Partner or a qualified specialist workshop to object to the entry in the electronic service history, the associated data storage in the vehicle and data transfer to the vehicle manufacturer, in relation to his/her time as the vehicle owner. In that case, no entry is made in the electronic service history of the vehicle.

Maintenance entered is shown on the Control Display, see page 92.

For Australia/New Zealand: maintenance

No maintenance work other than normal maintenance is required to keep the emission levels of your vehicle within the design limits.

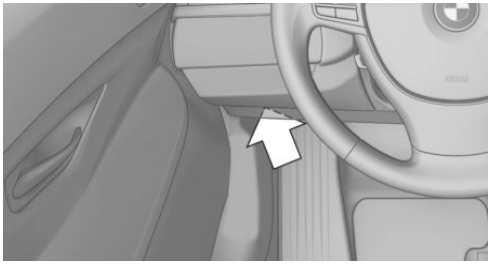
Socket for on-board diagnosis, OBD

Note

ATTENTION

Incorrect use of the on-board diagnosis socket can result in malfunctions in the vehicle. Danger of damage to property. The on-board diagnosis socket is only allowed to be used by a Service Partner, a qualified specialist workshop or other authorised persons.◀

Position



The OBD socket for checking components definitive in terms of the composition of the exhaust emissions is on the driver's side.

Emissions

- The warning light flashes:

  Engine malfunction that could damage the catalytic converter. Have the vehicle checked as soon as possible.

- The warning light is illuminated:

  Deterioration of exhaust emissions. Have the vehicle checked as soon as possible.

Recycling

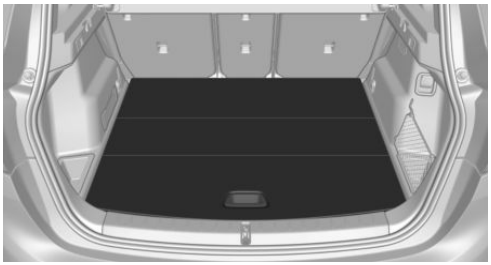
The manufacturer of your vehicle recommends handing the vehicle in at a take-back point nominated by the manufacturer at the end of its life cycle. The regulations concerning the returning of end-of-life vehicles may vary from country to country. Further information is available from a Service Partner or a qualified specialist workshop.

Replacing parts

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

On-board tool kit



Tool kit is located under boot floor.

Replacing the wiper blades

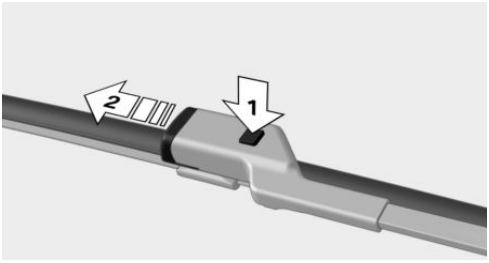
Note

ATTENTION

The windscreen can be damaged if the wiper arm drops onto the windscreen without wiper blades fitted. Danger of damage to property. Hold the wiper arm firmly when changing the wiper blades and do not put the wipers into contact with the windscreen unless wiper blades are fitted.◄

Replacing front wiper blades

1. To replace the wiper blades, place the wipers in the fold-out position, see page 80.
2. Fold out wiper arm and hold firm.
3. Press button, arrow 1, and pull out wiper blade.



4. Insert new wiper blade in the opposite sequence until it engages.
5. Fold in wipers.

ATTENTION

When wipers are folded away from the windscreen, they can be trapped when the bonnet is opened. Danger of damage to property. Before opening the bonnet, make sure that the wipers with wiper blades fitted are in contact with the windscreen.◄

Replacing bulbs

Information

Lights and bulbs

Lights and bulbs are an important aspect of driving safety.

The manufacturer of the vehicle recommends that you have the corresponding work carried out by a Service Partner or a qualified specialist workshop, if you are not familiar with it or it is not described here.

A box containing spare bulbs is available from a Service Partner or a qualified specialist workshop.

WARNING

Lamps can become hot during operation. Contact with the lamps can lead to burns. Danger of injury. Only replace lamps in cooled-down condition.◄

WARNING

Short circuits can occur when working on switched on lighting systems. Danger of injury or damage to property. Switch the respective lights off when working on the lighting system. Observe the possibly enclosed notes of the lamp manufacturer.◄

ATTENTION

Dirty lamps have a reduced lifetime. Danger of damage to property. Do not touch the glass of new lamps with your bare hands. Use a clean tissue, cloth or similar, or hold the bulb by its base.◄

Light-emitting diodes, LEDs

Some equipment versions have light-emitting diodes behind a cover as a light source.

These resemble conventional lasers and are classified by legislation as Class 1 light-emitting diodes.

WARNING

Excessively intense brightness can irritate or harm the retina of the eye. Danger of injury. Do not look directly at the headlights or other light sources for a sustained period. Do not remove covers from LEDs.◄

Headlight glass

During cool or humid weather, the exterior lights can mist over. When driving with the light switched on, the condensation disappears after a short time. There is no need to replace the headlight glass.

If the headlights do not demist, even when driving with the lights switched on and increasing moisture builds up, for example water droplets in the lights, have these checked by a Service Partner or a qualified specialist workshop.

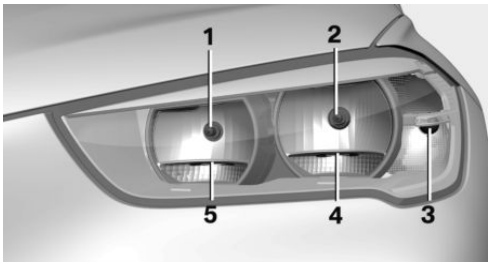
Headlight adjustment

The adjustments of the headlight can be affected by changing lights and bulbs. Have the headlight adjustment checked and if necessary corrected by a Service Partner or a qualified specialist workshop after changing lights and lamps.

Front lights, replacing the bulbs

Halogen headlights

Overview



1 High-beam headlights, headlight flasher
2 Low-beam headlights
3 Turn indicator
4 Side lights/daytime driving lights
5 Side lights/daytime driving lights

Parking lights, daylight driving lights

The side lights and daytime driving lights use LED technology.

Contact a Service Partner or a qualified specialist workshop in the case of a defect.

Access to turn indicators, low-beam headlights, high-beam headlights/ headlight flash

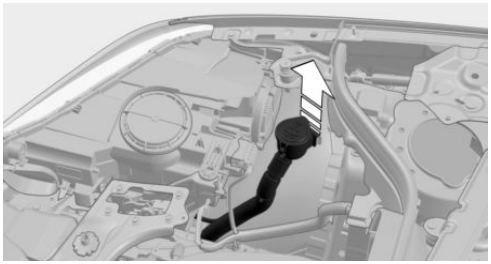
Follow the general instructions, see page 218.

Open the bonnet.

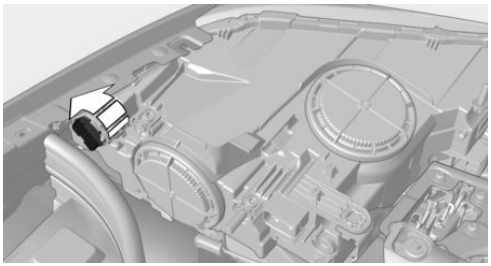
Turn indicator

21 Watts bulb, PY21W.

1. Access to the turn indicator on the right side: unhook and fold away the filler neck for the washer fluid using the screwdriver from the on-board tool kit.



2. Turn the bulb holder anticlockwise and remove.

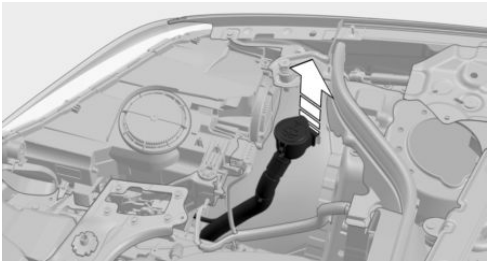


3. Press the bulb gently into the fitting, turn anticlockwise and remove.
4. Fit new bulb and bulb holder in the reverse sequence.

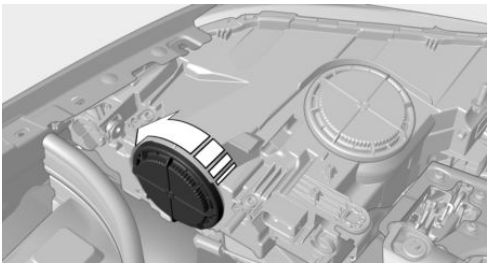
Low-beam headlights

Bulb 55 watts, H7LL.

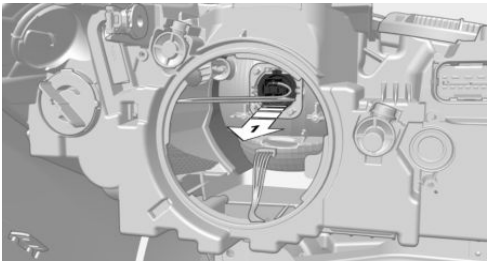
1. Access to the low-beam headlights on the right side: unhook and fold away the filler neck for the washer fluid using the screwdriver from the on-board tool kit.



2. Turn the cover anticlockwise and remove.



3. Pull bulb holder off straight backwards, arrow 1, and remove.



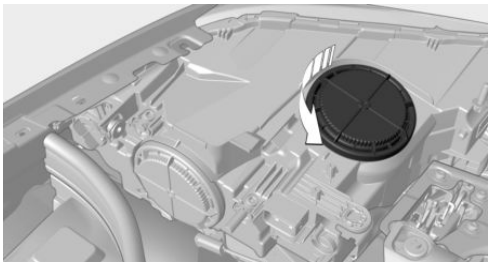
4. Carefully remove bulb from bulb holder.
5. Fit new bulb with bulb holder in the reverse sequence.

   When doing this, position lug of bulb correctly in headlight housing and feel bulb holder engage.
6. Close the headlight casing with the lid. Ensure that the lid engages.

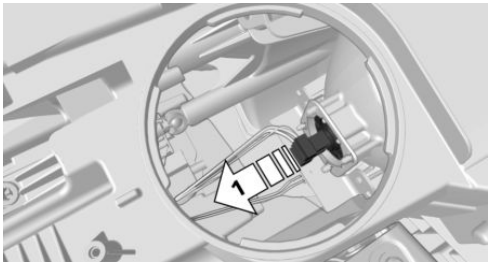
High-beam headlights/headlight flasher

H7 bulb, 55 watts.

1. Turn the cover anticlockwise and remove.



2. Pull bulb holder off straight backwards, arrow 1, and remove.



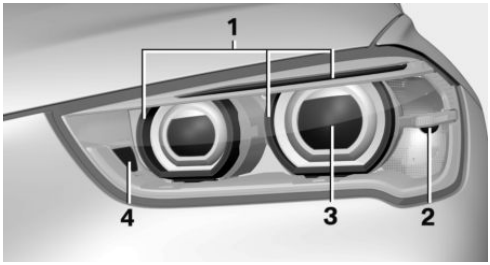
3. Carefully remove bulb from bulb holder.
4. Fit new bulb with bulb holder in the reverse sequence.

   When doing this, position lug of bulb correctly in headlight housing and feel bulb holder engage.
5. Close the headlight casing with the lid. Ensure that the lid engages.

LED headlights

Overview

Front lights



1 Side lights/daytime driving lights
2 Turn indicator
3 Low-beam headlights, high-beam headlights/headlight flash
4 Cornering light

Front lights

The following lights are designed in LED technology:

- High-beam headlights
- Side lights/daytime driving lights
- Low-beam headlights
- Cornering light

Contact a Service Partner or a qualified specialist workshop in the case of a defect.

Turn indicator

21 Watts bulb, PY21W.

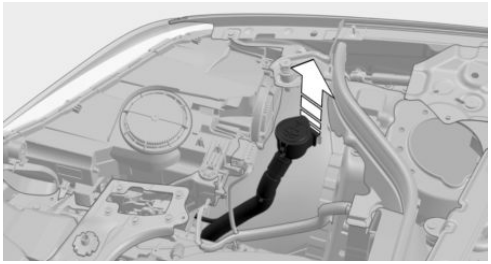
Access to turn indicator

Follow the general information, see page 218.

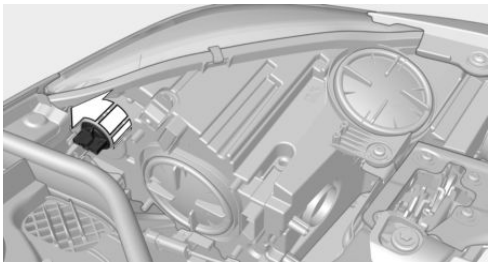
Open the bonnet.

1. Access to the turn indicator on the right side: unhook and fold away the filler neck

for the washer fluid using the screwdriver from the on-board tool kit.



2. Turn the bulb holder anticlockwise and remove.



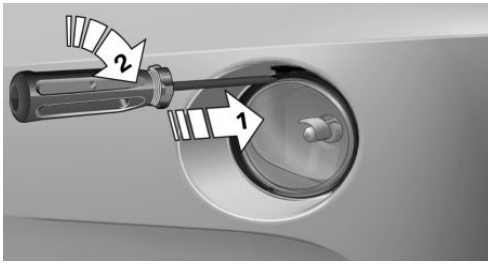
3. Press the bulb gently into the fitting, turn anticlockwise and remove.
4. Fit new bulb and bulb holder in the reverse sequence.

Front fog lights

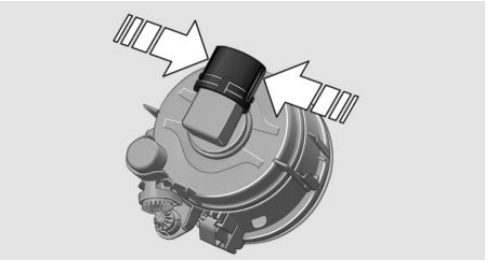
Follow the general information, see page 218.

H8 bulb, 35 watts.

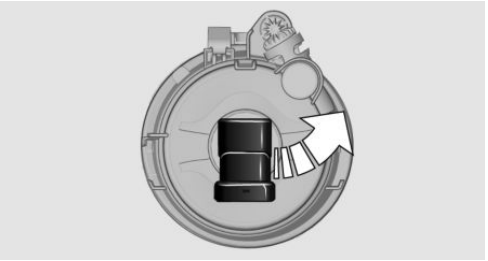
1. Place flat side of screwdriver from on-board toolkit on clip, arrow 1.



2. Turn screwdriver 90°, see arrow 2.
3. Remove fog light forwards.
4. Loosen connector.



5. Turn lamp holder and remove.



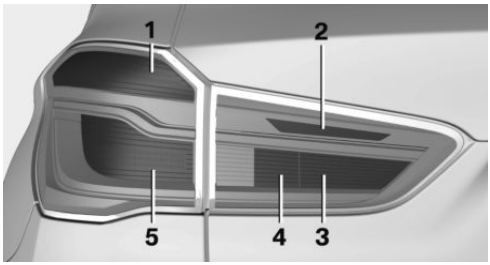
6. Take out the bulb and change it.
7. To insert the fog lamp, carry out the same procedure in reverse order. Observe the guide rails when doing this.

Turn indicator in exterior mirror

Turn indicators in the exterior mirrors are designed in the LED technology. Contact a Service Partner or a qualified specialist workshop in the case of a defect.

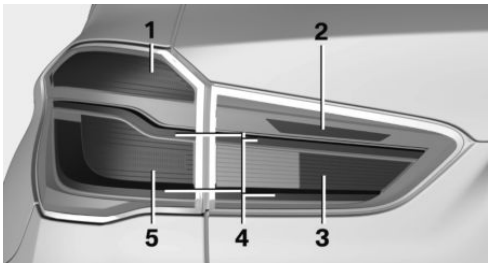
Rear lights, replacing the bulbs

Vehicles with halogen headlights



1 Turn indicator
2 Reversing lights
3 Rear fog light/tail light
4 Rear lights
5 Brake lights/rear lights

Vehicles with LED headlights



1 Turn indicator
2 Reversing lights
3 Rear fog lights
4 Rear lights
5 Brake light

Rear light uses LED technology. Contact a Service Partner or a qualified specialist workshop in the case of a defect.

Replacing bulbs of outer rear lights

General

Follow the general notes, see page 218.

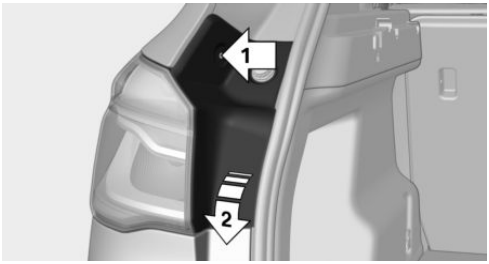
Turn indicator: 21 watt bulb, P21WLL.

Brake light: bulb 21 watts, P21WLL.

Removing rear light

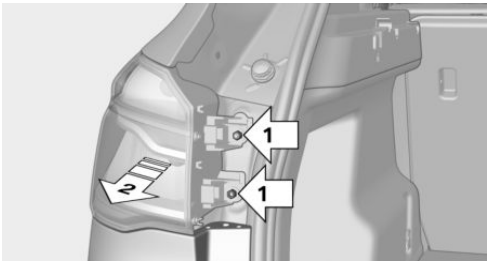
1. Open the tailgate.
2. Use the screwdriver from the on-board tool kit to loosen the attatchment, arrow 1.

   Remove cover, arrow 2.



3. Unscrew both nuts, arrow 1, of outer rear light.

   Carefully remove rear light forwards, arrow 2, from body. Make sure that cables are not damaged.

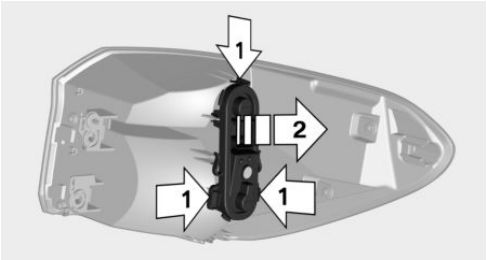


4. Pull plug off bulb holder by disconnecting cables from rear light.

Replacing bulbs

1. Unscrew three attachments, arrow 1, on bulb holder.

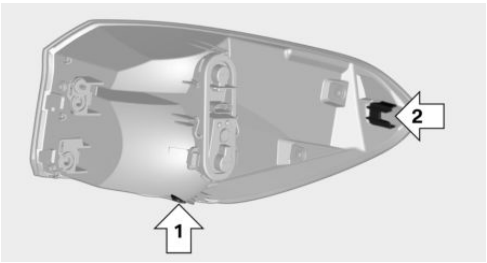
Remove bulb holder from rear light, arrow 2.



2. Press the faulty bulb gently into the fitting, turn anticlockwise and remove.
   - ▷ Upper bulb: turn indicator.
   - ▷ Lower bulb: brake light.
3. To use the new bulb and attach the bulb holder, proceed in the opposite sequence. Ensure that the bulb holder engages in all fastenings.

Installing rear light

1. Connect plug and fit cables into rear light, arrow 1.
2. Position rear light with lug, arrow 2, on mounting point on body and push onto both threaded pins.



3. Press on rear light flush and tighten both nuts. Install cover.

Lights in the tailgate

Vehicles with halogen headlights

Follow the general information, see page 218.

Reversing light: bulb 21 watts, P21WLL

Rear fog light: bulb 21 watts, H21WLL

Rear light: bulb 5 watts, P21WLL

Vehicles with LED headlights

Follow the general information, see page 218.

Reversing light: bulb 21 watts, P21WLL

Rear fog light: bulb 21 watts, H21WLL

Access to the lights

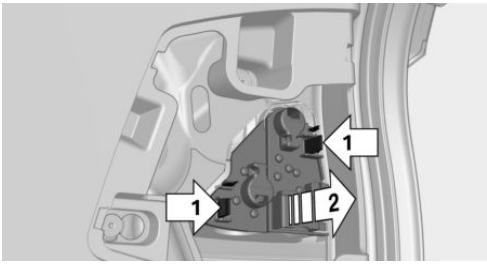
1. Open the tailgate.
2. Pull out cover on handle recess.

3. Remove the plug from the bulb holder.

Changing reversing light, rear fog light and tail light

1. Unfasten both attachments, arrow 1, on bulb holder.

   Remove bulb holder from rear light, arrow 2.



2. Press the faulty bulb gently into the fitting, turn anticlockwise and remove.
   - ▷ Upper bulb: reversing light.
   - ▷ Lower bulb: rear fog light

   Only vehicles with halogen headlights:

▷ Lower bulb, 5 watts: tail light.

Installing lamp holder

1. To use the new bulb and attach the bulb holder, proceed in the opposite sequence.

   Connect plug to bulb holder.
2. Make sure bulb holder is seated correctly and firmly.

Centre brake light and number plate lights

Follow the general information, see page 218.

These lights use LED technology. Contact a Service Partner or a qualified specialist workshop in the case of a defect.

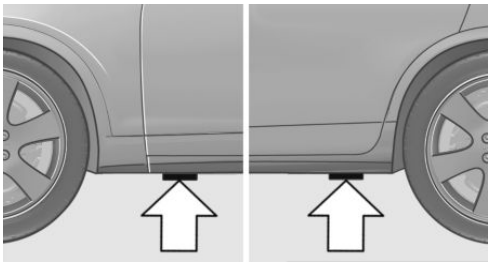
Changing a wheel

Notes

For tyres with emergency running properties or when using sealants, immediate wheel change for loss of tyre pressure in case of breakdown is not required.

The tools for changing wheels are available as optional accessories from a Service Partner or a qualified specialist workshop.

Jack mounting points



The jack mounting points are located in the illustrated positions.

Vehicle jack: Australian/New Zealand standard AS/NZS 2693

2007 – "Vehicle jacks" contains following warning note which BMW hereby adopts: '... no person should place any portion of their body under a vehicle that is supported by a jack'.

The jack supplied with your car should not be used for any purpose other than wheel changing and should never be used in conjunction with a vehicle support stand. Raising the vehicle for the purpose of inspection should only be performed in a controlled workshop environment on a hoist by trained personnel.

The following warning instructions from standard AS/NZS 2693:2007 are repeated here: the jack should be used on level firm ground wherever possible. It is recommended that the wheels of the vehicle be chocked, and that no person should remain in a vehicle that is being jacked.

The jack of your BMW is maintenance-free.

Please observe the information marked on the jack.◂

Emergency wheel

Safety measures

▷ Park the vehicle on a solid surface and as far away from moving traffic as possible. Switch on hazard warning lights.

▷ Apply parking brake and engage selector lever position P.

▷ Allow all vehicle occupants get out of the vehicle and guide them out of the danger area, for example behind the crash barrier.

▷ If applicable, set up warning triangle at the correct distance or switch on hazard warning lights.

▷ Only change the wheel on a level, firm and slip-free surface. On soft or slippery ground, for example, snow, ice, tiles or similar, the vehicle or jack may slide away to the side.

- Do not put any wooden blocks or similar underneath the jack, otherwise it cannot reach its carrying capacity due to the restricted height.
- If the vehicle is raised, do not lie underneath the vehicle and do not start the engine, otherwise there is danger of death.

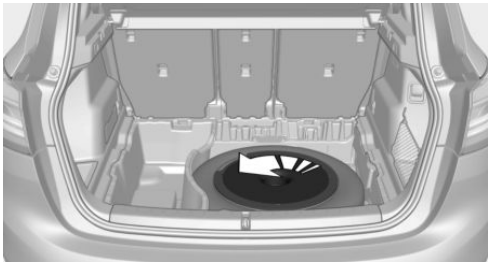
Note

WARNING

The jack is only optimised for lifting the vehicle and for use with the jacking points on the vehicle. Danger of injury. Do not lift another vehicle or other items with the jack.◀

Removing emergency wheel

Emergency wheel and tools are located under boot floor.



1. Undo wing stud.
2. Remove cover.
3. Remove tool holder.
4. Remove emergency wheel.

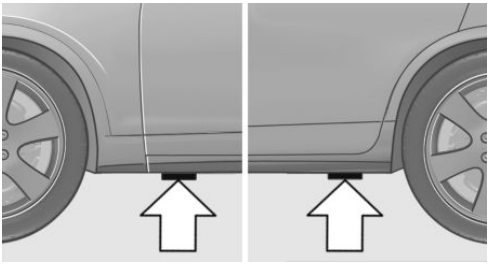
Preparing for wheel change

1. Follow the safety instructions, see page 226.
2. With the supporting wedge from the onboard tool kit, secure the vehicle against rolling away by putting on the front wheel of the opposite side. Place the supporting wedge behind the front wheel of the opposite side.
3. Undo the wheel studs by half a turn.

Thiefproof wheel studs, see page 227.

Raising vehicle

1. Put the jack into the jacking point closest to the wheel, so that the jack base is vertically underneath the jacking point with the entire surface on the ground.



2. Insert the jack head when cranking up into the square depth of the jacking point.
3. Crank up until the relevant wheel has been lifted off the ground.

Wheel fitting

Only fit one emergency wheel.

1. Unscrew the wheel studs and remove the wheel.
2. Put on the new wheel or emergency wheel and loosely tighten at least two studs crosswise.

   If non-original BMW light alloy wheels are fitted, the relevant wheel studs must also be used.
3. Loosely tighten the remaining wheel studs and then tighten all the studs well crosswise.
4. Lower the vehicle and remove the jack.

After changing the wheel

1. Tighten the wheel studs crosswise. The tightening torque is 140 Nm, approximately 101 lb ft.
2. Stow the faulty wheel in the boot.

Due to its size, the faulty wheel cannot be accommodated under the boot floor.

3. Check tyre inflation pressure at the next opportunity and correct as necessary.
4. Reinitialise runflat indicator.

   Reset Tyre Pressure Monitor.
5. Check the tight fit of the wheel studs using a calibrated torque wrench.
6. Replace damaged tyres as soon as possible.

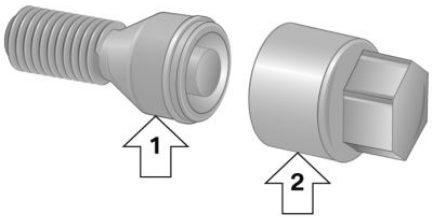
Driving with emergency wheel

WARNING

The emergency wheel has special dimensions. When driving with an emergency wheel, the driving properties may change at higher speeds, for example reduced directional stability when braking, longer braking distance and modified self-steering behaviour in the limit range. Danger of accidents. Drive with care and do not exceed a speed of 80 km/h, 50 mph.◄

Thiefproof wheel studs

The adapter of the thiefproof wheel studs can be found in the tool kit or in an oddments tray in the tool kit.



- ▷ Wheel stud, arrow 1.
- ▷ Adapter, arrow 2.

Removing

1. Place the adapter on the wheel stud.
2. Unscrew wheel stud.

After reattaching the wheel stud, remove the adapter again.

Car battery

Maintenance

The battery is maintenance-free.

The quantity of acid filled is sufficient for the lifetime of the battery.

More information regarding the battery can be enquired with a Service Partner or a qualified specialist workshop.

Replacing the battery

ATTENTION

Vehicle batteries that have been categorised by the manufacturer of the vehicle as unsuitable can damage systems, or prevent functions from being carried out. Danger of damage to property. Only use vehicle batteries that have been classified as suitable by the vehicle manufacturer.◄

When the vehicle battery has been changed, have the battery registered on the vehicle by a Service Partner or a qualified specialist workshop to ensure that all comfort functions are fully available and any appropriate Check Control messages are no longer displayed.

Recharging the battery

General

Ensure the battery is sufficiently charged to guarantee the entire lifetime of the battery.

In the following cases, charging the battery is necessary:

- ▷ When making frequent short trips.
- ▷ When leaving for periods of longer than one month.
- ▷ Steptronic transmission: when leaving for long periods in selector lever position D, R or N.

Notes

ATTENTION

Battery chargers for the vehicle battery can operate with high voltages and high currents, which can overload or damage the 12 volt on-board network. Danger of damage to property. Only connect battery chargers for the vehicle battery to the jump-starting connections in the engine compartment.◄

Jump-starting connections

Recharge the battery only with the engine stopped, via the jump-starting connections, see page 230, in the engine compartment.

Charger

Chargers developed especially for the vehicle and attuned to the on-board network can be obtained from Service Partner or a qualified specialist workshop.

Power failure

Following a temporary electrical power outage, some equipment will have to be reinitialised or individual settings will need to be updated, for example:

- Seat and mirror memory: re-save positions.
- Time: update.
- Date: update.
- Glass Roof: initialise system, see page 49.

Disposing of the old battery

Dispose of old batteries at a Service Partner or a qualified specialist workshop or hand them into an authorised collecting point.

Batteries filled with acid should be transported and saved upright. Protect batteries against falling over when in transit.

Fuses

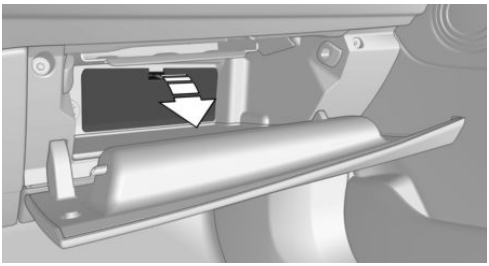
Notes

WARNING

Incorrect or repaired fuses can overload electrical cables and components. Fire risk. Do not repair blown fuses or renew them by fuses with a different colour or amp rating.◄

Plastic tweezers and details of the fuse assignment can be found with the fuses in the glove box.

In the glove box



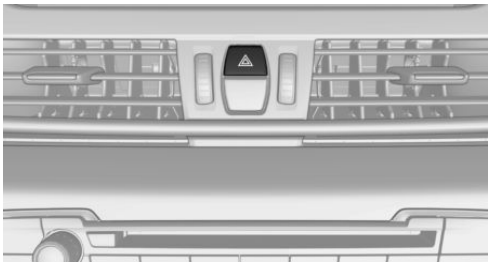
Pivot the flap down, see arrow.

Help in the event of a breakdown

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Hazard warning lights



The button is located in the centre console.

Intelligent emergency call

Principle

This system can be used for sending an emergency call in emergency situations.

General

Press the SOS button in an emergency only.

Even if no emergency call through BMW is possible, in some cases an emergency call may still be set up to a public emergency call number. This depends on factors such as the specific mobile telephone network and the national regulations.

For technical reasons, it might not be possible to make an emergency call in highly adverse conditions.

Overview

SOS button in headlining

Requirements

- SIM card integrated into the vehicle is activated.
- Radio ready state is switched on.
- Emergency call system is functional.

Making an emergency call

1. Briefly press the cover flap to open it.
2. Press the SOS button until the LED on the button is illuminated green.

- LED illuminated green: emergency call activated.

  If a cancellation request is shown on the display, the emergency call can be cancelled.

  If the situation permits, wait in the vehicle until voice contact has been established.
- LED flashes green when the connection to the emergency number has been established.

  When an emergency call is sent via BMW, data is sent to the emergency call centre in order to decide what rescue measures are

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required. For example, the current position of the vehicle, if this can be determined. If questions posed by the emergency call centre remain unanswered, rescue measures are automatically initiated.

- If the LED is flashing green but the emergency call centre can no longer be heard over the loudspeaker, you may still be able to be heard by the emergency call centre.

Automatically activating emergency calls

In certain circumstances, an emergency call may be placed automatically immediately after a serious accident. An automatic emergency call is not influenced by pressing the SOS button.

Warning triangle

The warning triangle is located inside the tailgate.

Move the warning triangle to the side and remove it.

First-aid kit

Note

The longevity of some items is limited.

Check the use-by dates of the contents regularly and replace any items that have expired in good time.

Storage

The first-aid kit is located on the left in a storage compartment in the boot.

Starting assistance

General

If the vehicle battery is discharged, the engine can be started using two jump leads from another vehicle's battery. Use only jump leads with fully insulated terminal clamps.

Information

DANGER

Touching live components can result in an electric shock. Danger of injury or life. Do not touch any components that could be live.◀

Do not deviate from the procedure described below, otherwise personal injury could result or both vehicles could be damaged.

Preparations

ATTENTION

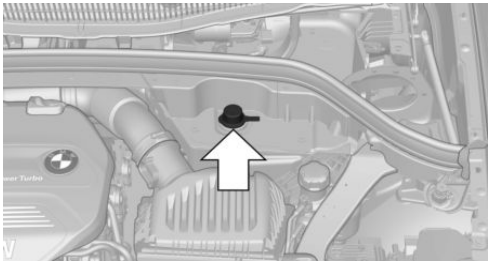
Contact between the bodies of the two vehicles can result in a short circuit during starting assistance. Danger of damage to property. Make sure there is no contact between the bodies.◀

1. Check whether the battery in the other vehicle shows 12 volts. Specifications are on the battery.
2. Switch off the engine of the donor vehicle.
3. Switch off any electrical systems in both vehicles.

Jump-starting connections

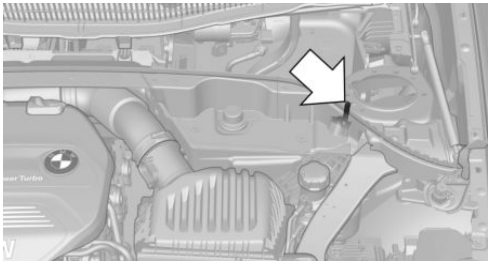
WARNING

Connecting the jump leads in the wrong sequence can cause sparks. Danger of injury. Comply with the correct sequence when connecting up.◀



The jump-starting connection in the engine compartment serves as the positive battery terminal.

Open the cover of the starting assistance connection.



A special nut is used as battery negative terminal.

Connecting the cables

1. Remove the cover of the BMW jump-starting connection.
2. Connect a terminal clamp on the positive/+ jump lead to the positive terminal of the battery or the corresponding jump-starting connection on the donor vehicle.
3. Connect the other terminal clamp to the battery's positive terminal or to the corresponding jump-starting connection on the vehicle to be started.
4. Connect a terminal clamp on the negative/– jump lead to the negative terminal of the battery or the corresponding engine or body earth connection on the donor vehicle.
5. Connect the second terminal clamp to the negative terminal of the battery or to a ground/earth connection on the corresponding engine or body of the vehicle to be started.

Starting the engine

Do not use the spray products sold as starting aids.

1. Start the engine of the donor vehicle and allow it to run for a few minutes at a slightly increased idle speed.

   For diesel-engined vehicles to be started: allow the engine of the donor vehicle to run for approx. 10 minutes.
2. Start the engine of the vehicle to be started as normal.

   If an initial attempt to start the engine fails, wait several minutes until the flat battery has been recharged to a slightly greater degree.
3. Allow both engines to run for a few minutes.
4. Disconnect the jump leads in the opposite order from that in which they were originally attached.

Check the battery if necessary and have it recharged.

Tow-starting and towing

Information

WARNING

Due to system limitations, there may be malfunctions of individual functions when tow-starting/towing with activated Intelligent Safety Systems, for example approach control warning with light braking function. Danger of accidents. Switch off all Intelligent Safety Systems before tow-starting/towing.◀

Manual gearbox

Gearshift lever in idle position.

Being towed

ATTENTION

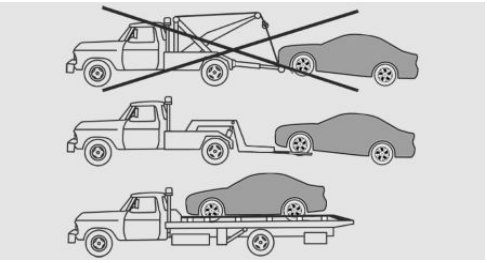
If a parking brake cannot be manually unlocked, the vehicle cannot be moved or towed. Danger of damage to property. Only have the vehicle transported on a load platform.◀

Observe the following information:

- Make sure that the ignition is switched on, otherwise low-beam headlights, rear lights, turn indicators and wipers would not be available.
- Do not tow the vehicle with the rear axle raised, otherwise the steering can turn.
- When the engine is not running, there is no power assistance and the brake servo is out of action. The steering and brakes will require extra effort to operate.
- Greater steering wheel movements are necessary.
- The towing vehicle must not be lighter than the towed vehicle, otherwise it may be unable to keep the towed vehicle reliably under control.
- Do not exceed a towing speed of on 50 km/h, 30 mph.
- Do not exceed a towing distance of 50 km, 30 miles.

Towing truck

With driven front axle

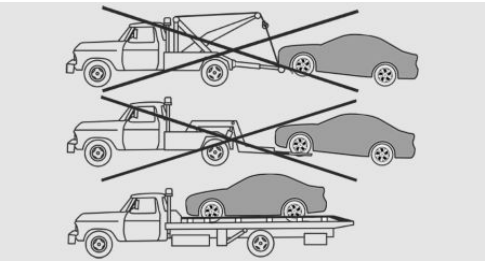


Have the vehicle transported by a towing truck with a hoisting frame, or hoisted onto a loading platform.

ATTENTION

Raising the vehicle at the towing eye, body or suspension components can cause damage to vehicle parts. Danger of damage to property. Raise vehicle with suitable fixtures.◀

With xDrive



Only have the vehicle transported on a load platform.

ATTENTION

If the vehicle is towed with an individually lifted axle, the vehicle can be damaged. Danger of damage to property. Only have the vehicle transported on a load platform.◀

ATTENTION

Raising the vehicle at the towing eye, body or suspension components can cause damage to vehicle parts. Danger of damage to property. Raise vehicle with suitable fixtures.◀

Steptronic transmission without xDrive: transporting your vehicle

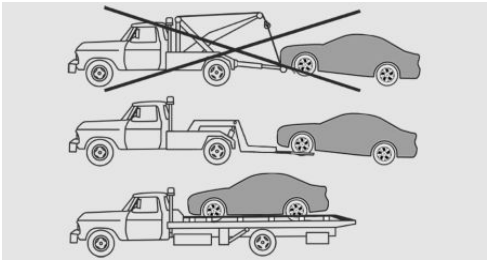
Note

Your vehicle must not be towed if the front wheels are in contact with the ground. For this reason contact a Service Partner or a qualified specialist workshop in the event of a breakdown.

ATTENTION

If the vehicle is towed with a lifted rear axle, the vehicle can be damaged. Danger of damage to property. Only have the vehicle towed with a lifted front axle or transported on a load platform.◀

Towing truck



Have your vehicle transported by a towing truck with a hoisting frame, or hoisted onto a loading platform.

ATTENTION

Raising the vehicle at the towing eye, body or suspension components can cause damage to vehicle parts. Danger of damage to property. Raise vehicle with suitable fixtures.◀

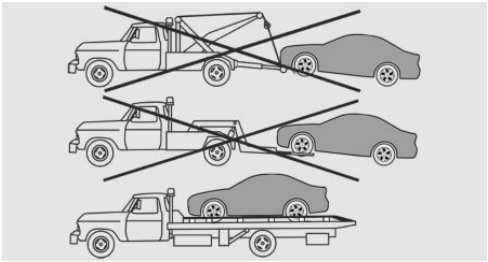
Use the towing eye screwed into the socket at the front of the vehicle for manoeuvring only.

Steptronic transmission with xDrive: transporting your vehicle

Note

Do not attempt to have your vehicle towed. For this reason contact a Service Partner or a qualified specialist workshop in the event of a breakdown.

Towing truck



Your vehicle should only be transported on a loading platform.

ATTENTION

Raising the vehicle at the towing eye, body or suspension components can cause damage to vehicle parts. Danger of damage to property. Raise vehicle with suitable fixtures.◀

Use the towing eye screwed into the socket at the front of the vehicle for manoeuvring only.

Towing other vehicles

Information

WARNING

If the gross vehicle weight of the towing vehicle is less than that of the vehicle to be towed, the towing eye can be pulled off, or the vehicle may no longer be controllable. Danger of accidents! Make sure that the gross vehicle weight of the towing vehicle is more than the weight of the vehicle to be towed.◀

ATTENTION

If the tow bar or the towing rope is not attached correctly, other vehicle parts can be damaged. Danger of damage to property. Attach the tow bar or towing rope to the towing eye correctly.◄

- Switch on the hazard warning lights, depending on local regulations.
- If the vehicle's electrical system has failed, the vehicle being towed must be made identifiable to following vehicles, for instance by placing a notice or the warning triangle in the rear window.

Tow bar

The towing eyes of both vehicles should be on the same side.

If it is impossible to avoid attaching the tow bar at an angle, note the following:

- Tow bar clearance may be restricted when cornering.
- The tow bar will generate lateral forces if it is attached offset.

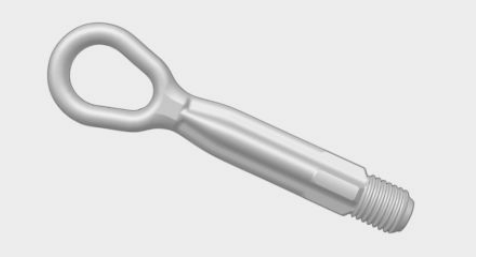
Towing rope

Ensure that the towing rope is taut when the towing vehicle moves off.

For towing, use nylon ropes or straps, as these will help to avoid sudden tensile loads.

Towing eye

General



Always have the screw-on towing eye on board the vehicle.

The towing eye can be screwed into the front or rear end of the BMW.

The towing eye together with the on-board tool kit, see page 218, is located in the boot.

Notes

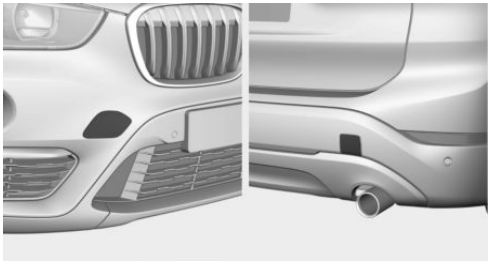
ATTENTION

If the towing eye is not used as intended, the vehicle or towing eye is damaged. Danger of damage to property. Observe the notes on using the towing eye.◄

Using the towing eye:

- Use only the towing eye supplied with the vehicle, and make sure that it is screwed in fully and is tight.
- Only use the towing eye for towing on normal roads (in other words not off-road).
- Use the towing eye screwed into the socket at the front of the vehicle for manoeuvring only.
- Avoid lateral loads on the towing eye, for example do not raise the vehicle at the towing eye.

Thread for towing eye



Press the marking on the edge of the cover to press it out.

Tow-starting

Steptronic transmission

Do not attempt to tow-start or push-start the vehicle.

Due to the Steptronic transmission, it is not possible to start the engine by towing.

Have the cause of the starting difficulties rectified.

Manual gearbox

If possible, do not tow-start the vehicle but start the engine using starting assistance, see page 230. Only tow-start when the engine is cold if your vehicle has a catalytic converter.

1. Switching on hazard warning lights, please observe country-specific regulations.
2. Ignition, see page 71, on.
3. Insert 3rd gear.
4. Tow-start with the clutch depressed and release the clutch slowly. Depress the clutch again immediately after the engine starts.
5. Stop in a suitable location, remove the tow bar or towing rope and switch off the hazard warning lights.
6. Have the vehicle checked.

General care

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Washing the vehicle

General

Regularly remove foreign bodied, for example, leaves, with the bonnet opened in the area beneath with windscreen.

Especially in winter, wash the car more frequently. Very high levels of dirt and spreading salt can cause damage to the car.

Steam-jet cleaners and high-pressure cleaners

Notes

ATTENTION

When cleaning with high-pressure cleaners, excessive pressure or excessive temperatures can damage various components. Danger of damage to property. Ensure a sufficient distance and do not spray for an extended period of time. Comply with the instructions for the high-pressure cleaner.◄

Distances and temperature

- Maximum temperature: 60 °C/140 °F.
- Minimum distance to sensors, cameras, seals: 30 cm, approx. 12 in.
- Minimum distance to the Glass Roof: 80 cm, approx. 31.5 in.

Automatic car washes.

Notes

- Textile car washes or systems using soft brushes are preferable, to avoid damage to the paintwork.
- Make sure the wheels and tyres are not damaged by the conveying mechanism.
- Fold in the exterior mirrors, as they could otherwise sustain damage due to the vehicle's width.
- Deactivate the rain sensor, see page 79, to avoid unintentional operation of the wipers.
- In some instances, depending on the interior movement detector of the alarm system, a false alarm may be triggered. Observe the notes on avoiding false alarm, see page 45.

ATTENTION

Excessively high guide rails in car washes can damage parts of the body. Danger of damage to property. Avoid washing bays or car washes with guide rails more than 10 cm, approximately 4 in high.◄

Entering a car wash

Follow the below steps so that the vehicle can be driven into a vehicle wash:

Manual gearbox:

1. Drive into the car wash.
2. Engage idle position.
3. Stop the engine.
4. Switch on ignition.

Steptronic transmission:

1. Drive into the car wash.
2. Engage selector lever position N.
3. Make sure that the parking brake is released.
4. Stop the engine.

   In this way the ignition remains switched on and a Check Control message is displayed.

It is not possible to lock the vehicle from the outside in selector lever position N. If an attempt is made to lock the vehicle, a signal sounds.

When starting engine with manual gearbox:

1. Press clutch pedal.
2. Press the start/stop button.

When starting engine with Steptronic transmission:

1. Press the brake.
2. Press the start/stop button.

Headlights

- Do not rub them when dry or use abrasive or corrosive cleaning agents.
- Soak impurities such as insects with shampoo and wash off with water.
- Remove ice with a de-icer spray; do not use an ice scraper.

After washing the car

After washing the car, drive it briefly and apply the brakes to dry them out; this is necessary to prevent reduced braking action, and also to avoid corrosion of the brake discs.

Completely remove residues on the windscreens to avoid affecting visibility due to smearing, and to reduce wiping noise and wiper blade wear.

Car care

Care products

The manufacturer of your vehicle recommends the use of BMW care and cleaning products, as they are tested by BMW and categorised as suitable for the use on the vehicle.

WARNING

Cleaning agents can contain hazardous substances or constitute a health risk. Danger of injury. When cleaning the interior, open the doors or windows. Use only products that are intended for cleaning the vehicle's interior. Observe the notes on the pack.◄

Vehicle paintwork

Regular care promotes driving safety and preserves your vehicle's value. Environmental effects in areas with higher air pollution or natural contaminations, for example tree resin or leaf dust, may have an effect on the vehicle paintwork. Base the frequency and extent of vehicle care on such factors.

Remove corrosive substances, such as run-off fuel, oil, grease or bird droppings immediately to avoid changes to the paint or discolourations.

Leather care

Remove dust from the leather at regular intervals with a cloth or vacuum cleaner.

Dust and road dirt will otherwise become worked into pores and folds, causing considerable abrasion and causing the leather surface to become prematurely brittle.

In order to protect against discolouration, for example from clothing, clean the leather approximately every two months.

Clean light-coloured leather more frequently as it has the tendency to soil faster.

Use leather cleaner, otherwise dirt and grease will attack the protective coating of the leather.

Suitable care products are available from a Service Partner or a qualified specialist workshop.

Care of upholstery fabrics

Clean regularly with a vacuum cleaner.

In the event of heavy soiling, for example stains caused by drinks, use a soft sponge or a lint-free microfibre cloth with suitable interior cleaning agents.

Clean upholstery materials over a large area up to the seams. Avoid strong rubbing.

ATTENTION

Open Velcro fasteners on articles of clothing can damage the seat covers. Danger of damage to property. Make sure that any Velcro fasteners on your clothing are closed.◀

Care of special parts

Light alloy wheels

Only when cleaning on the vehicle use neutral rim cleaner with a pH value of between 5 and 9. Do not use any rough cleaner or steam cleaner above 60 °C/140 °F. Observe the manufacturer's information.

Corrosive, acidic or alkaline cleaners may destroy the protective layer of neighbouring parts, such as brake discs, for example.

Chrome surfaces

Carefully clean parts such as the radiator grille and door handles with plenty of water to which a shampoo may be added, particularly if exposed to road salt.

Rubber parts

The surfaces of rubber parts can be contaminated or loose their shine due to environmental influences. Only use water and suitable care products for cleaning. The manufacturer of your vehicle recommends genuine BMW care products.

Treat particularly stressed rubber parts at regular intervals with rubber care products. Do not use any silicone-based care products for treating rubber seals, otherwise these could be damaged and become a source of noise.

Fine wood parts

Clean fine wood trims and fine wood parts with a damp cloth only. Then dry them with a soft cloth.

Plastic parts

These include:

- Imitation leather surfaces.
- Roof lining.
- Light covers.
- Glass cover of instrument cluster.
- Parts sprayed matt black.
- Painted parts in the interior.

Use a microfibre cloth to clean.

Slightly moisten the cloth with water.

Do not soak the roof lining.

ATTENTION

Cleaning agents containing alcohol or solvents, such as nitro thinners, cold cleansers, fuel or similar can damage plastic parts. Danger of damage to property. Use a microfibre cloth to clean. Slightly moisten the cloth with water.◀

Seat belts

Dirt on the seat belts can interfere with the action of the reel and represent a safety hazard.

WARNING

Chemical cleaners can cause irreparable damage to the fabric of the seat belts. Lack of protective effect of the seat belts. Danger of injury or life. Only use a mild soap and water solution for cleaning the seat belts.◀

Clean only with a mild soap solution while still fitted to the vehicle.

Never allow seat belts to retract unless they are dry.

Carpets and foot mats

WARNING

Objects in the driver's footwell can restrict the pedal travel, or block a pedal that has been pressed. Danger of accidents. Stow items in the vehicle so that they are secure and cannot get into the driver's footwell. Only use floor mats that have been categorised as appropriate for the vehicle and that can be fastened accordingly. Do not use any loose floor mats, and do not place several floor mats on top of one another. Make sure that there is sufficient space for the pedals. Ensure that the floor mats are securely reattached after having been removed, for example for cleaning.◀

Floor mats can be removed from the vehicle to enable the interior to be cleaned more thoroughly.

In the event of heavy soiling, clean floor carpets using a microfibre cloth and water or textile cleaner. In doing so, rub back and forth in the direction of travel, otherwise the carpet can become tangled.

Trailer tow hitch with removable ball linkage/mount for rear luggage rack

Keep the ball linkage and take-up clean.

Grease or oil bearing locations, sliding surfaces and the small balls on the take-up piston regularly with resin-free grease or oil.

Before using steam cleaner or high pressure cleaner on the vehicle, remove ball linkage and use a stopper in the take-up, see page 186.

Do not clean ball linkage with a steam cleaner or high pressure cleaner.

Sensors/lenses of the camera

Clean sensors or lenses of the camera using a cloth moistened with a small amount of a glass detergent.

Displays/screens/protective sleeve of the Head-Up Displays

ATTENTION

Chemical cleaners, moisture or fluids of all kinds can damage the surface of displays and screens. Danger of damage to property. Use a clean, anti-static microfibre cloth to clean.◀

ATTENTION

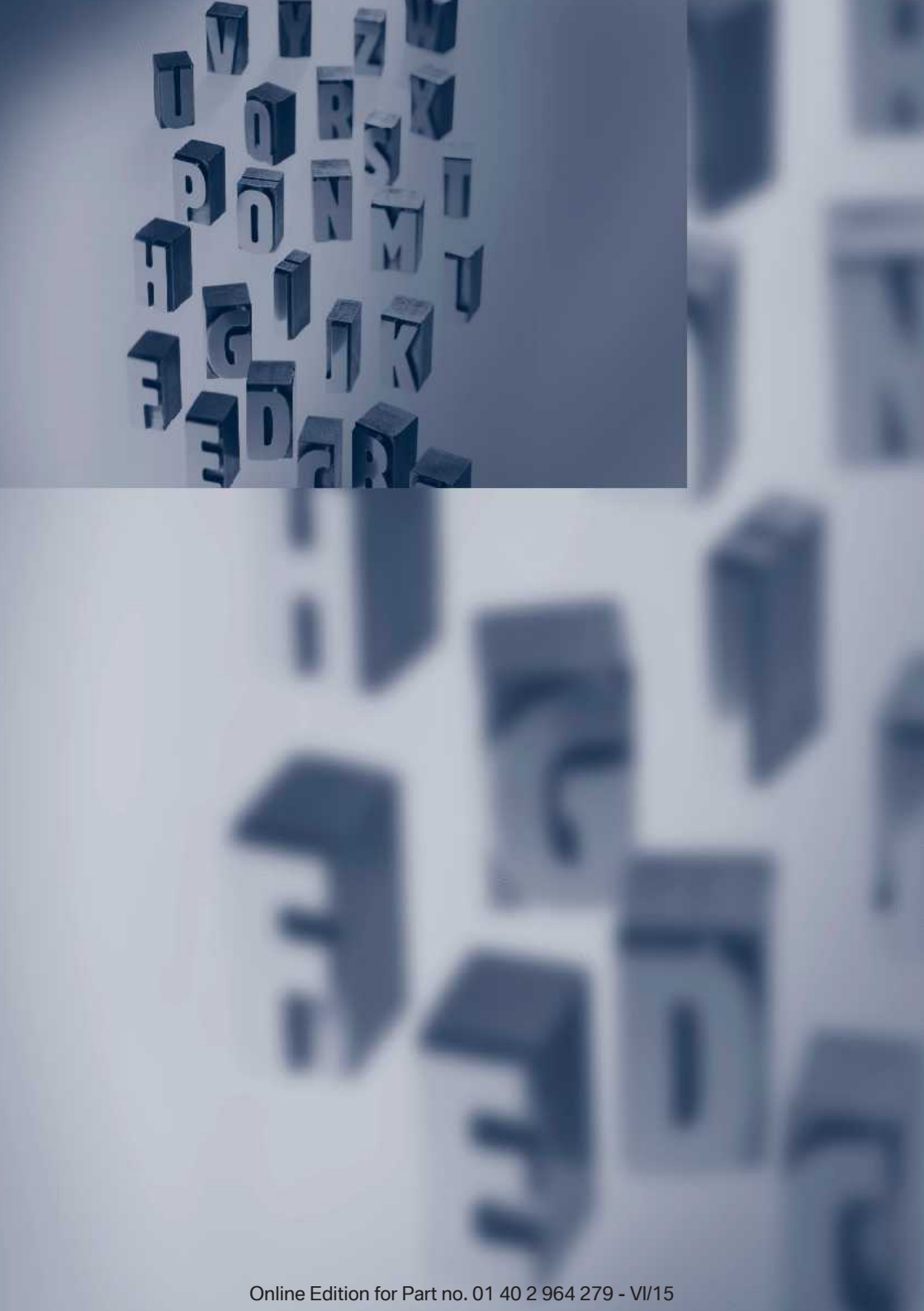
The surfaces of displays can be damaged due to improper cleaning. Danger of damage to property. Avoid applying excessive pressure and do not use abrasive materials.◀

Use a clean, anti-static microfibre cloth to clean.

Clean the protective sleeve of the Head-Up Display with a microfibre cloth and commercially available dishwashing liquid.

Laying up out of use

When the vehicle is laid up for longer than three months, special measures are to be taken. Further information is available from a Service Partner or a qualified specialist workshop.



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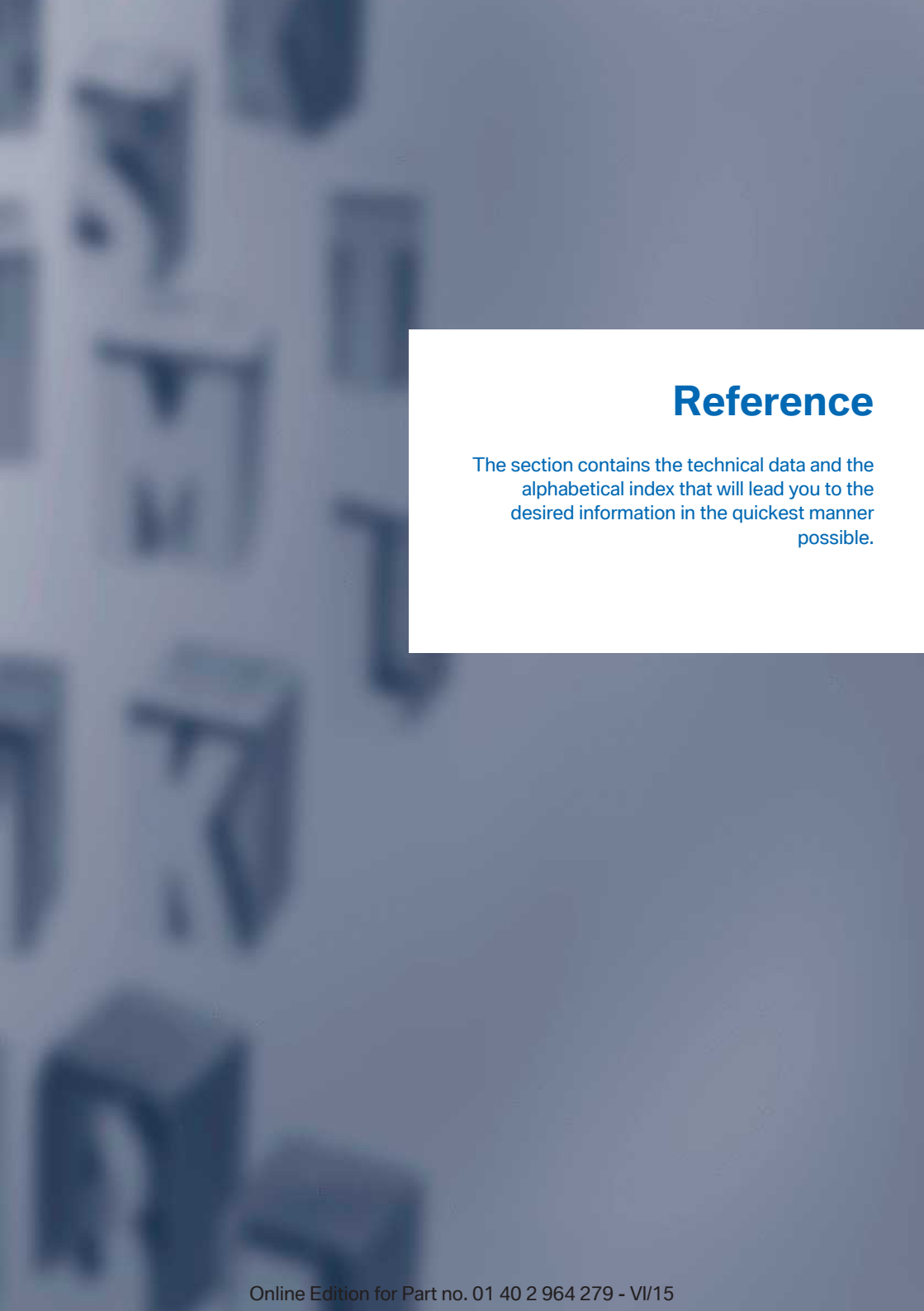

Reference

The section contains the technical data and the alphabetical index that will lead you to the desired information in the quickest manner possible.

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Technical data

Vehicle equipment

This chapter describes all standard, national and special equipment provided in the model series. Equipment not available in the vehicle is therefore also described, for example the selected special equipment or national version. This also applies to safety-relevant functions and systems. Comply with the relevant national regulations when using the corresponding functions and systems.

Note

The technical data and specifications in the Owner's Handbook are indications. The vehicle-specific data can deviate from this, for example, due to selected special equipment, national version or country-specific measurement method. Detailed values can be found in the permit documents, on information stickers on the vehicle or can be requested from a Service Partner or a qualified specialist workshop.

The information in the vehicle documents always has priority.

Dimensions

The dimensions can vary depending on the model version, equipment or country-specific measurement method.

The heights specified do not take into account add-on parts such as a roof aerial, roof railing or spoiler. The heights can deviate, for example, due to the selected special equipment, tyres, loads and chassis design.

BMW X1		
Width with mirrors	mm	2060
Width without mirrors	mm	1821
Height	mm	1598
Length	mm	4439
Wheelbase	mm	2670
Smallest turning circle dia.	m/ft	11.4

Weights

Values in front of the / are for vehicles with manual gearbox, values after the / are for vehicles with Steptronic transmission.

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sDrive20i		
Kerb weight, ready for road, with 75 kg, 165 lb, load, tank 90 % full, no optional extras	kg (lb)	1560 (3439)
Permitted gross weight	kg (lb)	2075 (4575)
Load	kg (lb)	590 (1301)
Front axle load limit	kg (lb)	1090 (2403)
Rear axle load limit	kg (lb)	1025 (2260)
Roof load	kg (lb)	75 (165)
Boot capacity	litres (cu ft)	505-1550 (17.8-54.7)

xDrive20i		
Kerb weight, ready for road, with 75 kg, 165 lb, load, tank 90 % full, no optional extras	kg (lb)	1615 (3560)
Permitted gross weight	kg (lb)	2140 (4718)
Load	kg (lb)	600 (1323)
Front axle load limit	kg (lb)	1120 (2469)
Rear axle load limit	kg (lb)	1075 (2370)
Roof load	kg (lb)	75 (165)
Boot capacity	litres (cu ft)	505-1550 (17.8-54.7)

xDrive25i		
Kerb weight, ready for road, with 75 kg, 165 lb, load, tank 90 % full, no optional extras	kg (lb)	1615 (3560)
Permitted gross weight	kg (lb)	2140 (4718)
Load	kg (lb)	600 (1323)
Front axle load limit	kg (lb)	1120 (2469)
Rear axle load limit	kg (lb)	1075 (2370)
Roof load	kg (lb)	75 (165)
Boot capacity	litres (cu ft)	505-1550 (17.8-54.7)

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sDrive18d		
Kerb weight, ready for road, with 75 kg, 165 lb, load, tank 90 % full, no optional extras	kg (lb)	1505/1545 (3318/3406)
Permitted gross weight	kg (lb)	2015/2065 (4442/4553)
Load	kg (lb)	585/595 (1290/1312)
Front axle load limit	kg (lb)	1050/1090 (2315/2403)
Rear axle load limit	kg (lb)	1020 (2249)
Roof load	kg (lb)	75 (165)
Boot capacity	litres (cu ft)	505-1550 (17.8-54.7)

xDrive20d		
Kerb weight, ready for road, with 75 kg, 165 lb, load, tank 90 % full, no optional extras	kg (lb)	1625 (3583)
Permitted gross weight	kg (lb)	2145 (4729)
Load	kg (lb)	595 (1312)
Front axle load limit	kg (lb)	1130 (2491)
Rear axle load limit	kg (lb)	1070 (2359)
Roof load	kg (lb)	75 (165)
Boot capacity	litres (cu ft)	505-1550 (17.8-54.7)

xDrive25d		
Kerb weight, ready for road, with 75 kg, 165 lb, load, tank 90 % full, no optional extras	kg (lb)	1650 (3638)
Permitted gross weight	kg (lb)	2170 (4784)
Load	kg (lb)	595 (1312)
Front axle load limit	kg (lb)	1130 (2491)
Rear axle load limit	kg (lb)	1075 (2370)
Roof load	kg (lb)	75 (165)
Boot capacity	litres (cu ft)	505-1550 (17.8-54.7)

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Towing a trailer

Values in front of the / are for vehicles with manual gearbox, values after the / are for vehicles with Steptronic transmission.

sDrive20i		
Towing loads according to EU operating permit. Details on possible increases can be enquired with a Service Partner or a qualified specialist workshop.		
Unbraked	kg (lb)	750 (1653)
With brake on upward incline up to 12 %	kg (lb)	1800 (3968)
With brake on upward incline up to 8 %	kg (lb)	1800 (3968)
Maximum trailer nose weight	kg (lb)	80 (176)
Minimum trailer nose weight	kg (lb)	25 (55)
Rear axle load limit	kg (lb)	1145 (2524)
Permitted gross weight	kg (lb)	2155 (4751)

xDrive20i		
Towing loads according to EU operating permit. Details on possible increases can be enquired with a Service Partner or a qualified specialist workshop.		
Unbraked	kg (lb)	750 (1653)
With brake on upward incline up to 12 %	kg (lb)	2000 (4409)
With brake on upward incline up to 8 %	kg (lb)	2000 (4409)
Maximum trailer nose weight	kg (lb)	80 (176)
Minimum trailer nose weight	kg (lb)	25 (55)
Rear axle load limit	kg (lb)	1195 (2635)
Permitted gross weight	kg (lb)	2220 (4894)

xDrive25i		
Towing loads according to EU operating permit. Details on possible increases can be enquired with a Service Partner or a qualified specialist workshop.		
Unbraked	kg (lb)	750 (1653)
With brake on upward incline up to 12 %	kg (lb)	2000 (4409)

xDrive25i		
With brake on upward incline up to 8 %	kg (lb)	2000 (4409)
Maximum trailer nose weight	kg (lb)	80 (176)
Minimum trailer nose weight	kg (lb)	25 (55)
Rear axle load limit	kg (lb)	1195 (2635)
Permitted gross weight	kg (lb)	2220 (4894)

sDrive18d		
Towing loads according to EU operating permit. Details on possible increases can be enquired with a Service Partner or a qualified specialist workshop.		
Unbraked	kg (lb)	750 (1653)
With brake on upward incline up to 12 %	kg (lb)	1800 (3968)
With brake on upward incline up to 8 %	kg (lb)	1800 (3968)
Maximum trailer nose weight	kg (lb)	80 (176)
Minimum trailer nose weight	kg (lb)	25 (55)
Rear axle load limit	kg (lb)	1140 (2513)
Permitted gross weight	kg (lb)	2095/2145 (4619/4729)

xDrive20d		
Towing loads according to EU operating permit. Details on possible increases can be enquired with a Service Partner or a qualified specialist workshop.		
Unbraked	kg (lb)	750 (1653)
With brake on upward incline up to 12 %	kg (lb)	2000 (4409)
With brake on upward incline up to 8 %	kg (lb)	2000 (4409)
Maximum trailer nose weight	kg (lb)	80 (176)
Minimum trailer nose weight	kg (lb)	25 (55)
Rear axle load limit	kg (lb)	1090 (2403)
Permitted gross weight	kg (lb)	2225 (4905)

xDrive25d		
Towing loads according to EU operating permit. Details on possible increases can be enquired with a Service Partner or a qualified specialist workshop.		
Unbraked	kg (lb)	750 (1653)
With brake on upward incline up to 12 %	kg (lb)	2000 (4409)
With brake on upward incline up to 8 %	kg (lb)	2000 (4409)
Maximum trailer nose weight	kg (lb)	80 (176)
Minimum trailer nose weight	kg (lb)	25 (55)
Rear axle load limit	kg (lb)	1195 (2635)
Permitted gross weight	kg (lb)	2250 (4960)

Filling capacities

	Litres/Imp. units	Note
Fuel tank, approximately.	51/11.2	Fuel grade, see page 198
Larger fuel tank, approximately	61/13.4	Fuel grade, see page 198

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Appendix

Here is where any updates to the Owner's Handbook for the vehicle are listed.

Active pedestrian protection system

Contrary to the description in this Owner's Handbook, the active pedestrian protection system is only triggered at speeds between approximately 30 km/h and 55 km/h.

Speed Limit Information

Contrary to the description in this Owner's Handbook, it is not possible to switch the display on/off using iDrive.

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Everything from A to Z

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