Owner's Manual
for Vehicle

The Ultimate
Driving Machine

Contents
A-Z

Owner's Manual for Vehicle

325xi

Congratulations, and thank you for choosing a BMW.

Thorough familiarity with your vehicle will provide you with enhanced control and security when you drive it. We therefore have this request:

Please take the time to read this Owner's Manual and familiarize yourself with the information that we have compiled for you before starting off in your new vehicle. It contains important data and instructions intended to assist you in gaining maximum use and satisfaction from your BMW's unique range of technical features. The manual also contains information on maintenance designed to enhance operating safety and contribute to maintaining the value of your BMW throughout an extended service life.

This manual is supplemented by a Service and Warranty Information Booklet for US models or a Warranty and Service Guide Booklet for Canadian models.

We wish you an enjoyable driving experience.

BMW AG

Order No. 01 41 0 012 353
US English II/06
Printed in Germany
Printed on environmentally friendly paper,
bleached without chlorine, suitable for recycling.

Contents

The fastest way to find information on a particular topic or item is by using the index, refer to page 146.

Notes

Using this Owner's Manual

We have tried to make all the information in this Owner's Manual easy to find. The fastest way to find specific topics is to refer to the detailed index at the back of the manual. If you wish to gain an initial overview of your vehicle, you will find this in the first chapter.

Should you sell your BMW some day, please remember to hand over the Owner's Manual as well; it is an important component of your vehicle.

Additional sources of information

Should you have any other questions, your BMW Center will be glad to advise you at any time.

Information on BMW, e.g. on technical aspects, can also be found on the Internet at www.bmwusa.com.

Symbols used

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

Indicates information that will assist you in gaining the optimum benefit from your vehicle and enable you to care more effectively for your vehicle.

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

◀ Marks the end of a specific item of information.

* Indicates special equipment, country-specific equipment and optional extras, as well as equipment and functions not yet available at the time of printing.

Symbols on vehicle components

Indicates that you should consult the relevant section of this Owner's Manual for information on a particular part or assembly.

The individual vehicle

When you ordered your BMW, you chose various items of equipment. This Owner's Manual describes the entire array of options and equipment available with a specific BMW model.

Please bear in mind that the manual may contain information on accessories and equipment that you have not specified for your own vehicle. Sections describing options and special equipment are marked by asterisks * to assist you in identifying possible differences between the descriptions in this manual and your own vehicle's equipment.

If equipment in your BMW is not described in this Owner's Manual, please refer to the accompanying Supplementary Owner's Manuals.

Editorial notice

BMW pursues a policy of continuous, ongoing development that is conceived to ensure that our vehicles continue to embody the highest quality and safety standards combined with advanced, state-of-the-art technology. For this reason, it is possible in exceptional cases that features described in this Owner's Manual could differ from those on your vehicle.

For your own safety

Maintenance and repair

Advanced technology, e.g. the use of modern materials and powerful electronics, requires specially adapted maintenance and repair methods. You should therefore have the corresponding work on your vehicle performed only by your BMW Center or at a workshop that works according to BMW repair procedures with correspondingly trained personnel. If this work is not carried out properly, there is a danger of subsequent damage and related safety hazards.◀

Parts and accessories

For your own safety, use genuine parts and accessories approved by BMW.

When you purchase accessories tested and approved by BMW and Original BMW Parts, you simultaneously acquire the assurance that they have been thoroughly tested by BMW to ensure optimum performance when installed on your vehicle.

BMW warrants these parts to be free from defects in material and workmanship.

BMW will not accept any liability for damage resulting from installation of parts and accessories not approved by BMW.

BMW cannot test every product made by other manufacturers to verify if it can be used on a BMW safely and without risk to either the vehicle, its operation, or its occupants.

Original BMW Parts, BMW Accessories and other products approved by BMW, together with professional advice on using these items, are available from all BMW Centers.

Installation and operation of non-BMW approved accessories such as alarms, radios, amplifiers, radar detectors, wheels, suspension components, brake dust shields, telephones, including operation of any mobile phone from within the vehicle without using an externally mounted antenna, or transceiver equipment, for instance, CBs, walkie-talkies, ham radio or similar accessories, may cause extensive damage

to the vehicle, compromise its safety, interfere with the vehicle's electrical system or affect the validity of the BMW Limited Warranty. See your BMW Center for additional information.◀

Maintenance, replacement, or repair of the emission control devices and systems may be performed by any automotive repair establishment or individual using any certified automotive part.◀

California Proposition 65 warning

California law requires us to issue the following warning:

Engine exhaust and a wide variety of automobile components and parts, including components found in the interior furnishings in a vehicle, contain or emit chemicals known to the State of California to cause cancer and birth defects and reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Battery posts, terminals and related accessories contain lead and lead compounds. Wash your hands after handling.

Used engine oil contains chemicals that have caused cancer in laboratory animals. Always protect your skin by washing thoroughly with soap and water.◀

Service and warranty

We recommend that you read this publication thoroughly.

Your BMW is covered by the following warranties:

- New Vehicle Limited Warranty
- Rust Perforation Limited Warranty
- Federal Emissions System Defect Warranty
- Federal Emissions Performance Warranty
- California Emission Control System Limited Warranty

Detailed information about these warranties is listed in the Service and Warranty Information Booklet for US models or in the Warranty and Service Guide Booklet for Canadian models.

Reporting safety defects

For US customers

The following applies only to vehicles owned and operated in the US.

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration, NHTSA, in addition to notifying BMW of North America, LLC, P.O. Box 1227, Westwood, New Jersey 07675-1227, Telephone 1-800-831-1117.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or BMW of North America, LLC.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-800-327-4236 (TTY: 1-800-424-9153); go to http://www.safercar.gov; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590. You can also obtain other information about motor vehicle safety from http://www.safercar.gov

For Canadian customers

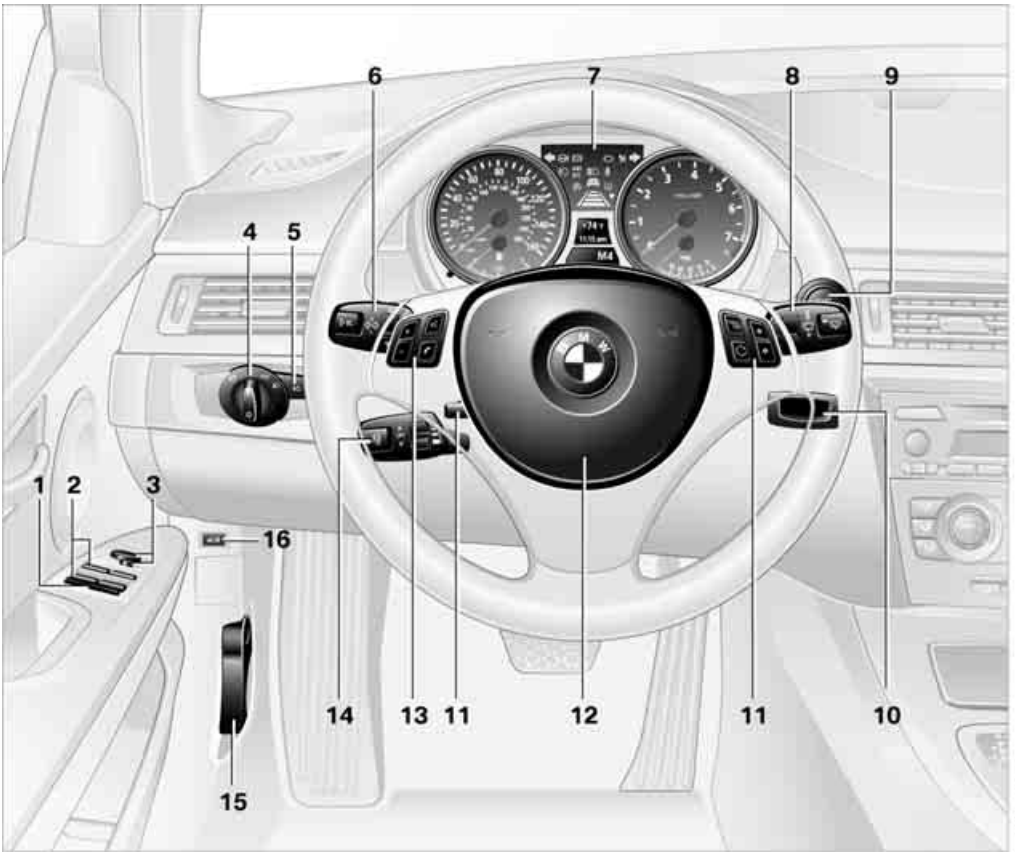
Canadian customers who wish to report a safety-related defect to Transport Canada, Defect Investigations and Recalls, may telephone the toll free hotline 1-800-333-0510, or contact Transport Canada by mail at: Transport Canada, ASFAD, Place de Ville Tower C, 330 Sparks Street, Ottawa ON K1A 0N5.

At a glance

This overview of buttons, switches and displays is intended to familiarize you with your vehicle's operating environment. The section will also assist you in becoming acquainted with the control concepts and options available for operating the various systems.

Cockpit

Around the steering wheel: controls and displays



1 Safety switch for electric rear windows 28

2 Opening and closing windows 27

3 Adjusting exterior mirrors, automatic curb monitor* 36

4 Parking lamps 74

Low beams 74

Automatic headlamp control* 74
Adaptive Head Light* 75

5 Fog lamps* 76

6


Turn signals 46


High beams, headlamp flasher 76


Roadside parking lamps* 76


Computer 58


Settings and information about the vehicle 59


Instrument lighting 76

7 Instrument cluster 12

8


Windshield wipers 47


Rain sensor* 47


Rear window wiper 48

9 
Switching the ignition on/off and starting/stopping the engine 42

10 Ignition lock 42

11 Buttons* on the steering wheel


Telephone*:

- Press: accepting and ending a call, starting dialing* for a selected phone number and redialing if no phone number is selected
- Press longer: redialing


Volume


Changing radio station
Selecting music track


Scrolling through phone book and lists with stored phone numbers


Next entertainment source


Recirculated-air mode 79

12 Horn: the entire surface

13 Steering wheel adjustment 38

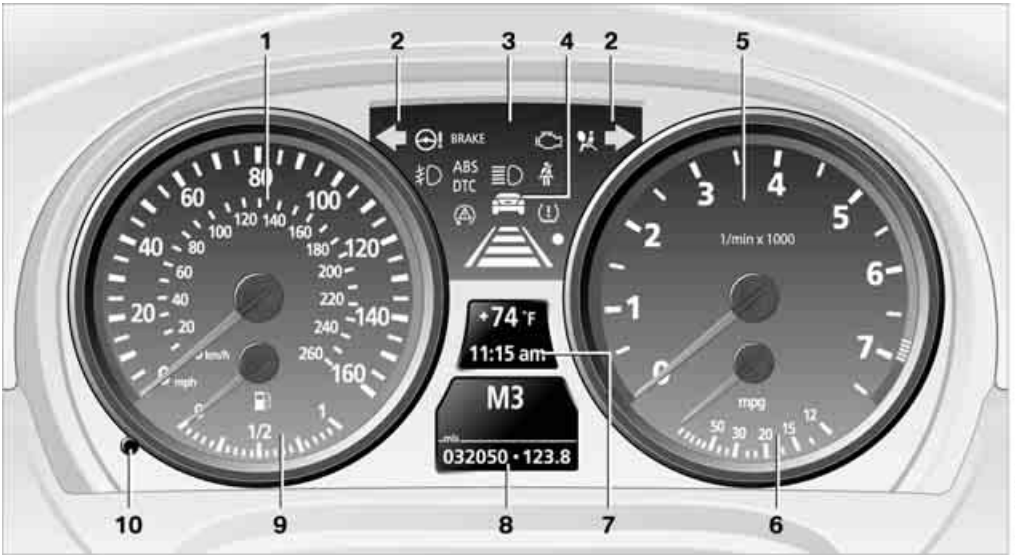
14 
Cruise control* 48


Active cruise control* 50

15 Releasing the hood 112

16 Opening the tailgate*

Instrument cluster



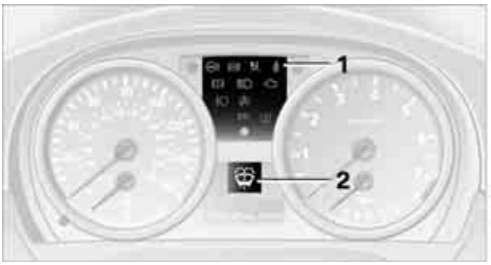
1 Speedometer
2 Indicator lamps for turn signals
3 Indicator and warning lamps 13
4 Displays for active cruise control* 50
5 Tachometer 57
6 Energy Control 58
7 Display for
- Clock 57
- Outside temperature 57
- Indicator and warning lamps 63

8 Display for
- Position of automatic transmission* 44
- Computer 58
- Date of next scheduled service, and remaining distance to be driven 61
- Odometer and trip odometer 57
- Initializing Flat Tire Monitor 69
- Checking engine oil level* 113
- Settings and information 59

9 Fuel gauge 58
10 Resetting trip odometer 57

Indicator and warning lamps

The concept



Indicator and warning lamps can light up in various combinations and colors in both the indicator area **1** and the display **2**.

Some lamps are checked for proper functioning and thus come on briefly when the engine is started or the ignition is switched on.

What to do in case of a malfunction

A list of all indicator and warning lamps, as well as notes on possible causes of malfunctions and on how to respond, can be found starting on page 130.

Around the center console: controls and displays

1 Microphone for voice command system* and for telephone in hands-free mode*

2 Initiating an emergency call*

3 Reading lamps 77

4 Panorama glass roof* 28

5 Interior lamps 77

6 Passenger airbag status lamp* 73

7 Hazard warning flashers

8 DTC Dynamic Traction Control 66

9 Central locking system 22

10 Air conditioner or automatic climate control*

Air distribution for air conditioner 79

 Air distribution to the windshield* 81

 Air distribution to the upper body area* 81

 Air distribution to the footwell* 81

AUTO Automatic air distribution and flow rate* 82

 Cooling function 83

 AUC Automatic recirculated-air control* 82

 Recirculated-air mode 79, 82

MAX Maximum cooling* 81

REST Residual heat mode* 82

 Air flow rate 79, 82

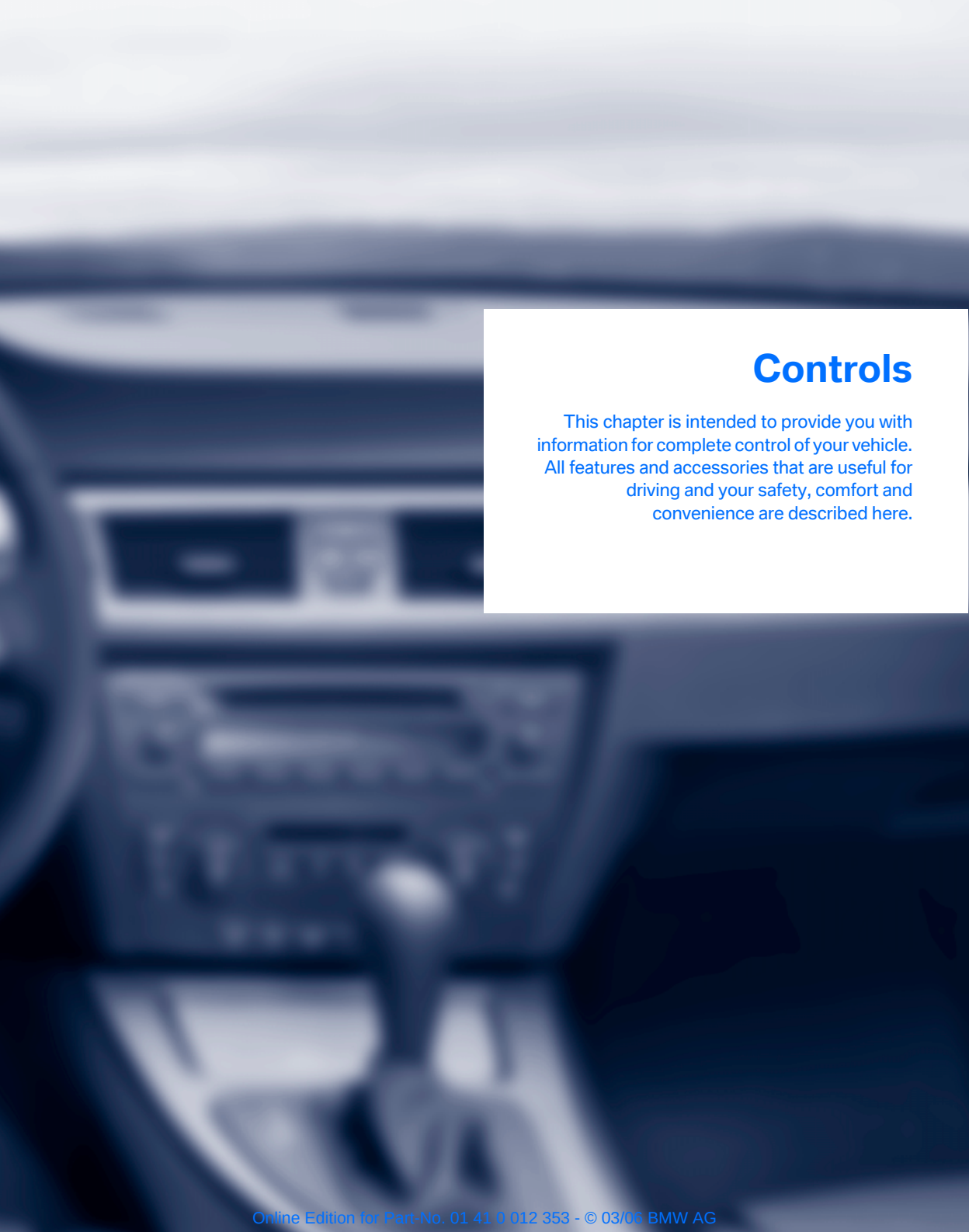
 Defrosting windows* 83

 Rear window defroster 79, 83

11  Heated seats* 34

 PDC Park Distance Control* 65

 Hill Descent Control HDC* 67



Controls

This chapter is intended to provide you with information for complete control of your vehicle. All features and accessories that are useful for driving and your safety, comfort and convenience are described here.

Opening and closing

Keys/remote controls

1 Remote control with integrated key

2 Spare key

3 Adapter for spare key, in the glove compartment

Remote control with integrated key

Each remote control contains a rechargeable battery that is automatically recharged when it is in the ignition lock while the car is being driven. Use the remote control at least twice a year in order to keep the batteries charged. In cars equipped with convenient access*, the remote control contains a replaceable battery, refer to page 27.

The settings called up and implemented when the car is unlocked depend on which remote control is used to unlock the car, refer to Personal Profile, page 19.

In addition, information about service requirements is stored in the remote control, refer to Service data in the remote control, page 117.

Integrated key

Press button **1** to release the key.

The integrated key fits the following locks:

- Glove compartment, refer to page 87
- Driver's door, refer to page 22

New remote controls

Your BMW Center can supply new remote controls with integrated keys as additional units or as replacements in the event of loss.

Spare key

Spare key for storage in a safe place, such as in your wallet. This key is not intended for regular use.

The spare key and the integrated key fit the same locks.

Adapter for spare key

The adapter is necessary for starting the car with the spare key or switching on radio readiness.

Take the adapter out of the bracket on the inside of the glove compartment and slide the spare key into the adapter before using it.

Personal Profile

The concept

You can set many of your BMW's functions to suit your personal needs and preferences. Without any action on your part, Personal Profile ensures that most of these settings are stored for the remote control currently in use. When you unlock the car, the remote control used for the purpose is recognized and the settings stored for it are called up and implemented.

This means that your personal settings are active when you return to your BMW, even if the car was used in the meantime by someone else with a remote control of their own and the settings were changed accordingly.

You can configure a maximum of three remote controls for three different people. The prerequisite for this is that each person has his or her own remote control.

Personal Profile settings

For more information on specific settings, refer to the specified pages.

- Automatic call-up* of the driver's-seat and exterior-mirror positions after unlocking, refer to page 34
- 12h/24h mode of the clock, refer to page 60
- Date format, refer to page 60
- Units of measure for fuel consumption, distance covered/remaining distances, and temperature, refer to page 60
- Automatic climate control*: AUTO program, activating/deactivating cooling function and automatic recirculated-air control, setting temperature, air flow rate and distribution, refer to page 81 ff
- Audio volume, refer to separate Owner's Manual
- Speed-dependent volume, refer to separate Owner's Manual

Central locking system

The concept

The central locking system is ready for operation whenever the driver's door is closed.

The system simultaneously engages and releases the locks on the following:

- Doors
- Tailgate
- Fuel filler door

Operating from outside

- Via the remote control
- Via the door lock
- In cars with convenient access*, via the handles on the driver's and front passenger's doors

The anti-theft system is also operated at the same time. It prevents the doors from being unlocked using the lock buttons or door handles. The interior lamp and the courtesy lamps* are also switched on or off with the remote control. The alarm system* is also armed or disarmed.
For further details of the alarm system, refer to page 25.

Operating from inside

By means of the button for central locking, refer to page 22.

In the event of a sufficiently severe accident, the central locking system unlocks automatically. In addition, the hazard warning flashers and interior lamps come on.

Opening and closing: from outside

Using the remote control

Persons or animals in a parked vehicle could lock the doors from the inside. You should therefore take the remote control with you so that the car can be opened from the outside.◀

Unlocking

Press the button.
The interior lamp and the doors' courtesy lamps* come on. Exterior mirrors that were folded in are automatically folded back out*.

You can also set the way in which the car is unlocked. The setting is stored for the remote control currently in use.

Operating principle, refer to page 59.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the symbol appears in the display accompanied by the word "SET".

2. Press button **2**.

3. Lightly push button **1** in the turn indicator stalk down repeatedly until the symbol appears in the display.

4. Press button **2**.
5. Use button **1** to select:
   - ▷ Press the button once to unlock only the driver's door and the fuel filler door. Press the button twice to unlock the entire vehicle.
   - ▷ Press the button once to unlock the entire vehicle.
6. Press button **2**.
   The setting is stored for the remote control currently in use.

Convenience opening

Hold the button down. The electric windows and the panorama glass roof* are opened.

Locking

Press the LOCK button.

Switching on interior lamps

While the car is locked:
Press the LOCK button.
You can also use this function to locate your vehicle in parking garages etc.

Panic mode*

You can also trigger the alarm system if you find yourself in a dangerous situation:

Press the button for at least three seconds.

To switch off the alarm: press any button.

Unlocking the tailgate

Press the button for a longer period.

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

If you press the button on the remote control a second time for a longer period within three seconds, the cargo area cover is raised*. Before closing the tailgate, press the cover downward until it engages.◀

In order to avoid damage, make sure there is sufficient clearance in all directions before opening the tailgate.

A previously locked tailgate is locked again after closing.

Before and after each trip, check that the tailgate has not been inadvertently unlocked.◀

Setting confirmation signals

You can program the vehicle to confirm when it has been locked or unlocked.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the symbol appears in the display accompanied by the word "SET".

2. Press button **2**.
3. Lightly push button **1** in the turn indicator stalk down repeatedly until the desired symbol appears in the display.

   - ▷ Confirmation signal during unlocking
   - ▷ Confirmation signal during locking
4. Press button **2**.
5. Use button **1** to select:
   - ▷ The hazard warning flashers light up during unlocking/locking.
   - ▷ An acoustic signal sounds during unlocking/locking.
   - ▷ The hazard warning flashers light up and an acoustic signal sounds during unlocking/locking.
   - ▷ off
     The function is deactivated.
6. Press button **2**.
   The setting is stored.

Malfunctions

The remote control may malfunction due to local radio waves. If this occurs, unlock and lock the car at the door lock with the integrated key.

If the car can no longer be locked with a remote control, the battery in the remote control is discharged. Use this remote control during an extended drive; this will recharge the battery, refer to page 18.

For US owners only

The transmitter and receiver units comply with part 15 of the FCC/Federal Communications

Commission regulations. Operation is governed by the following:

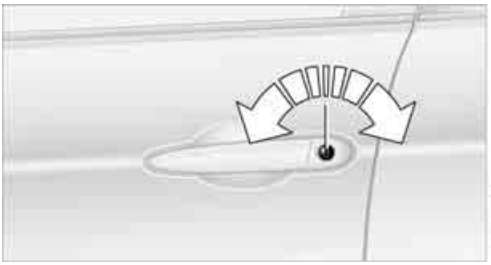
FCC ID:
LX8766S
LX8766E
LX8CAS

Compliance statement:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device must not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

Any unauthorized modifications or changes to these devices could void the user's authority to operate this equipment.◀

Using the door lock



You can set the way in which the car is unlocked, refer to page 20.

Convenient operation

You can also operate the windows and panorama glass roof via the door lock*.

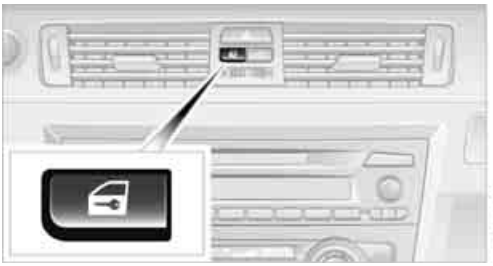
Hold the key in the position for unlocking or locking.

Watch during the closing process to be sure that no one is injured. Releasing the key stops the operation.◀

Manual operation

In the event of an electrical malfunction, you can lock and unlock the driver's door by turning the integrated key or the spare key to the corresponding limit positions in the door lock.

Opening and closing: from inside



This button serves to unlock or lock doors and the tailgate, but does not activate the anti-theft system. The fuel filler door remains unlocked.

You can also set the situations in which the car locks:

Operating principle, refer to page 59.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the symbol appears in the display accompanied by the word "SET".

2. Press button **2**.

3. Lightly push button **1** in the turn indicator stalk down repeatedly until the symbol appears in the display.

4. Press button **2**.
5. Use button **1** to select:
   - ▷ on
     The central locking system automatically locks the vehicle after some time if no door has been opened.
   - ▷ → on
     The central locking system automatically locks the vehicle as soon as you drive off.
   - ▷ →
     The central locking system automatically locks the vehicle after some time if no door has been opened, or as soon as you drive off.
   - ▷ off
     The central locking system remains unlocked.
6. Press button **2**.
   The setting is stored.

Unlocking and opening doors

- ▷ Either unlock the doors together using the button for the central locking system and then pull the door handle above the armrest or
- ▷ pull on the door handle of each door twice: the first time unlocks the door, the second time opens it.

Locking

- ▷ Use the central locking button to lock all of the doors simultaneously, or
- ▷ press down the safety lock button of a door. To prevent you from being locked out, the open driver's door cannot be locked using the lock button.

Persons or animals in a parked vehicle could lock the doors from the inside. You should therefore take the remote control with you so that the car can be opened from the outside.◀

Tailgate

In order to avoid damage, make sure there is sufficient clearance in all directions before opening the tailgate.◀

Opening from inside

Press the button: the tailgate opens unless it has been locked.

Opening from outside

Press the button, see arrow, or the button on the remote control for a longer period. The tailgate will open slightly. It can now be swung upwards.

Press the button, see arrow, or the button on the remote control a second time for a longer

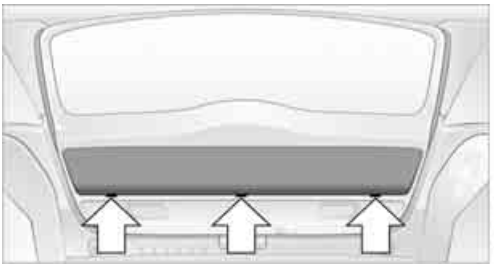
period within three seconds: the cargo area cover is raised.

Before closing the tailgate, press the cover downward until it engages.

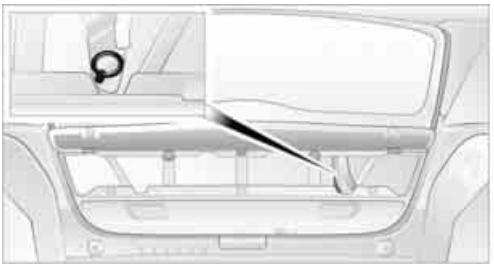
Opening manually

In the event of an electrical malfunction:

1. From the cargo area, swing the cover on the tailgate upward.



2. Pull the ring upward. The tailgate is unlocked.



3. Open the tailgate and close the cover again.

The tailgate is locked as soon as it is pressed shut.

Closing

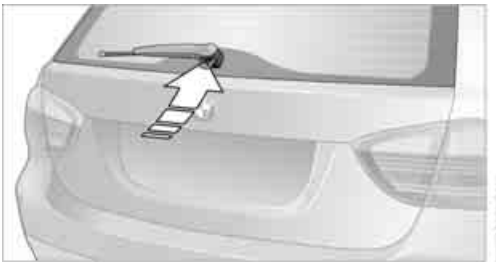
The handle recesses on the interior trim of the tailgate make it easier to pull down.

Make sure that the closing path of the tailgate is clear, otherwise injuries may result.◀

Opening and closing the rear window

Small items can be loaded and unloaded quickly when the rear window is opened separately.

The cargo area cover is raised when the rear window is opened. Before closing the rear window, press the cover downward until it engages.◀



Press the button: the rear window opens slightly. It can now be swung upwards.

Press the window shut to close it.

Make sure that the corners of any pointed or sharp-edged cargo are padded if they could bump against the rear window while the vehicle is in motion, otherwise the heating elements of the rear window could be damaged.◀

Alarm system*

The concept

The vehicle alarm system responds:

- When a door, the hood or the tailgate is opened
- To movements inside the vehicle: Interior motion sensor, refer to the information further below
- When the car's inclination changes, for instance if an attempt is made to jack it up and steal the wheels or to raise it prior to towing away
- When there is an interruption in the power supply from the battery

The alarm system signals unauthorized entry attempts for a short time by means of:

- An acoustic alarm
- Switching on the hazard warning flashers
- Flashing the high beams

Arming and disarming

When you lock or unlock the vehicle, either with the remote control or at the door lock, the alarm system is armed or disarmed at the same time.

Even when the alarm system is armed, you can open the tailgate by means of the button on the remote control, refer to page 21. When you subsequently close the tailgate it is again locked and monitored.

Switching off an alarm

- Unlock the car with the remote control, refer to page 20, or
- insert the remote control all the way into the ignition lock.

Indicator lamp displays

- The indicator lamp under the inside rear-view mirror flashes continuously: the system is armed.
- The indicator lamp flashes after locking: doors, hood or tailgate are not properly closed. Even if you do not close the alerted area, the system begins to monitor the remaining areas, and the indicator lamp flashes continuously after approx. 10 seconds. However, the interior motion sensor is not activated.
- The indicator lamp goes out after unlocking: your vehicle has not been disturbed while you were away.
- If the indicator lamp flashes after unlocking until the remote control is inserted in the ignition, but for no longer than approx. 5 minutes: your vehicle has been disturbed while you were away.

Tilt alarm sensor

The tilt of the vehicle is monitored. The alarm system reacts, e.g. to attempts to steal a wheel or tow the vehicle.

Interior motion sensor

In order for the interior motion sensor to function properly, the windows and glass sunroof must be completely closed.

Avoiding unintentional alarms

The tilt alarm sensor and interior motion sensor may be switched off at the same time. This prevents unintentional alarms, e.g. in the following situations:

- In duplex garages

- When transporting on car-carrying trains
- When animals are to remain in the vehicle

Switching off tilt alarm sensor and interior motion sensor

Press the LOCK button on the remote control twice in a row.

The indicator lamp comes on for approx. two seconds, then begins to flash steadily. The tilt alarm sensor and the interior motion sensor are switched off until the next time the vehicle is unlocked and subsequently locked again.

Convenient access*

Convenient access enables you to enter your vehicle without needing to hold the remote control in your hand. All you need to do is wear the remote control close to your body, e.g. in your jacket pocket. The vehicle automatically detects the corresponding remote control within the immediate vicinity or in the passenger compartment.

Convenient access supports the following functions:

- Unlocking/locking the vehicle
- Unlocking the tailgate separately
- Engine starting
- Convenient closure

Functional requirement

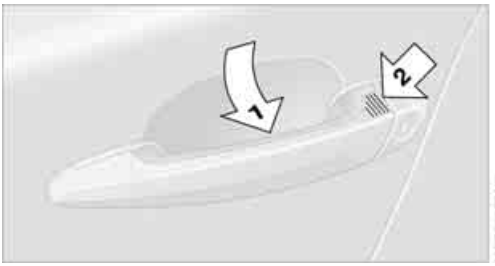
- The vehicle or the tailgate can only be locked when the vehicle detects that the remote control currently in use is outside of the vehicle.
- The vehicle cannot be locked or unlocked again until after approx. 2 seconds.
- The engine can only be started when the vehicle detects that the remote control currently in use is inside the vehicle.

Special features in comparison to conventional remote controls

In general, there is no difference between using convenient access or pressing the buttons on the remote control to carry out the functions mentioned above. You should therefore first familiarize yourself with the instructions on opening and closing starting on page 18.

Special features regarding the use of convenient access are described below.

Unlocking



Grasp the handle on the driver's or front passenger's door completely, arrow **1**. This corresponds to pressing the button.

If a remote control is detected inside the car after the vehicle is unlocked, the electric steering wheel lock is released, refer to page 42.

Locking

Touch the surface, arrow **2**, with your finger for approx. 1 second. This corresponds to pressing the LOCK button.

For convenient closure, keep your finger on the surface, arrow **2**.

If the vehicle detects that a remote control has been accidentally left inside the locked vehicle's cargo area after the tailgate is closed, the tailgate will reopen slightly. The hazard warning flashers flash and an acoustic signal* sounds.◀

Unlocking just the tailgate

Press the button on the outside of the tailgate. This corresponds to pressing the button.

Switching on radio readiness

Radio readiness is switched on by pressing the start/stop button, refer to page 42.

Do not depress the brake or the clutch, otherwise the engine will start immediately.◀

Starting the engine

You can start the engine or switch on the ignition when a remote control is inside the vehicle. It is not necessary to insert a remote control into the ignition switch, refer to page 42.

Switching off the engine in vehicles with automatic transmission

The engine can only be switched off when the selector lever is in position P, refer to page 43. To switch the engine off when the selector lever is in position N, the remote control must be in the ignition switch.

Before driving a vehicle with automatic transmission into a car wash

1. Insert remote control into ignition switch.
2. Depress the brake.
3. Move the selector lever to position N.
4. Switch off the engine.

The vehicle can roll.

Malfunction

Convenient access may malfunction due to local radio waves. If this happens, open or close the vehicle via the buttons on the remote control or using the integrated key. To start the engine afterward, insert the remote control into the ignition switch.

Warning lamps

The warning lamp in the instrument cluster lights up when you attempt to start the engine: the engine cannot be started. The remote control is not inside the vehicle or is malfunctioning. Take the remote control with you inside the vehicle or have it checked. If necessary, insert another remote control into the ignition switch.

The warning lamp in the instrument cluster lights up while the engine is running: the remote control is no longer inside the vehicle. After the engine is switched off, the engine can only be restarted within approx. 10 seconds.

The indicator lamp in the instrument cluster comes on: replace the battery in the remote control.

Replacing the battery

The remote control for convenient access contains a battery that will need to be replaced from time to time.

1. Take the integrated key out of the remote control, refer to page 18.

2. Remove the cover.
3. Insert the new battery with the plus side facing up.
4. Press the cover on to close.

Take the old battery to a battery collection point or to your BMW Center.◀

Windows

To prevent injuries, exercise care when closing the windows and keep them in your field of vision until they are shut.
Take the remote control with you when you leave the car, otherwise children could operate the electric windows and possibly injure themselves.◀

Opening, closing

- ▷ Press the switch to the resistance point. The window continues to open as long as you keep the switch pressed.
- ▷ Press the switch beyond the resistance point. The window opens automatically. Press the switch again to stop the opening movement.

You can close the windows in the same manner by pulling the switch.

There are separate switches in the rear seat armrests.

After switching off the ignition

When the remote control is removed or the ignition is switched off, you can still operate the windows for approx. 1 minute as long as no door is opened.

For information on convenient operation via the remote control or the door lock, refer to page 20 or 22. For information on closing with convenient access, refer to Locking on page 20.

Take the remote control with you when you leave the car, otherwise children could operate the electric windows and possibly injure themselves.◀

Anti-trapping mechanism

If the closing force exceeds a specific value as an electric window closes, the closing action is interrupted immediately and the window reopens slightly.

Despite the anti-trapping mechanism check and clear the window's travel path prior to closing it, otherwise the safety system might fail to detect certain kinds of obstructions, such as thin objects, and the window would continue closing.

Pulling the switch beyond the resistance point and holding it limits the response of the anti-trapping mechanism. In this case, if the closing force exceeds a defined threshold, the window will only open a few fractions of an inch/a few millimeters.

If the switch is pulled past the resistance point again within approx. 4 seconds, the anti-trapping mechanism will be deactivated.◀

Safety switch

With the safety switch, you can prevent the rear windows from being opened or closed via the switches in the rear passenger area, by children, for example. When the safety function is switched on, the LED comes on.

Always press the safety switch when children ride in the rear, otherwise unchecked closing of the windows could lead to injuries.◀

Accessories in a window area

If you install accessories within the power window movement range, e.g. a clip-on antenna for your mobile phone, the system must be initialized to teach it the new conditions. BMW recommends having this work done by your BMW Center.

Panorama glass roof*

To prevent injuries, exercise care when closing the panorama glass roof and keep it in your field of vision until it is shut.

Take the remote control with you when you

leave the car, otherwise children could operate the sunroof and possibly injure themselves.◀

Raising

- Press the switch.
  The closed panorama glass roof is raised and the sliding visor is opened slightly.
- Press the switch twice.
  The closed panorama glass roof is raised and the sliding visor is opened completely.

Opening, closing

Sliding visor

The sliding visor can be opened or closed separately when the sunroof is closed or raised.

- Press the switch backwards to the resistance point.
  The sliding visor opens as long as you keep the switch in this position.
- Press the switch backwards past the resistance point.
  The sliding visor will open automatically. Briefly press the switch again to stop the movement.

You can close the sliding visor in a similar manner by pressing the switch forwards.

Comfort position

In the comfort position, the sunroof is not completely open, thus reducing wind noise in the passenger compartment.

Each time the panorama glass roof is opened or closed, it stops in the comfort position. If desired, continue the movement by pressing the switch.

Panorama glass roof

- With the sliding visor open, press the switch backwards again to the resistance point.
  The panorama glass roof opens as long as you keep the switch in this position.
- With the sliding visor open, press the switch backwards again beyond the resistance point.
  The panorama glass roof opens automatically. Briefly press the switch again to stop the movement.

You can close the panorama glass roof in a similar manner by pressing the switch forwards.

For information on convenient operation via the remote control or door lock, refer to page 20 or 22.

Opening and closing the sunroof and sliding visor at the same time

Press the switch twice in quick succession beyond the resistance point.
Pressing the switch again stops the operation.

After the ignition is switched off

When the remote control has been removed or the ignition switched off, you can still operate the panorama glass roof for approx. 1 minute as long as no door is opened.

Anti-trapping mechanism

If the panorama glass roof or the sliding visor encounters an obstruction while closing from a position about two-thirds closed, or during closing from the raised position, the closing movement is interrupted and the panorama glass roof and the sliding visor are opened again slightly.

Despite the anti-trapping mechanism check and clear the sunroof's travel path prior to closing it, otherwise the safety system might fail to detect certain kinds of obstructions, such as very thin objects, and the sunroof would continue closing.
Pressing the switch beyond the resistance point and holding it there deactivates the anti-trapping mechanism.◀

Following interruptions in electrical power supply

After a power failure, there is a possibility that the sunroof can only be raised. The system must be initialized. BMW recommends having this work done by your BMW Center.

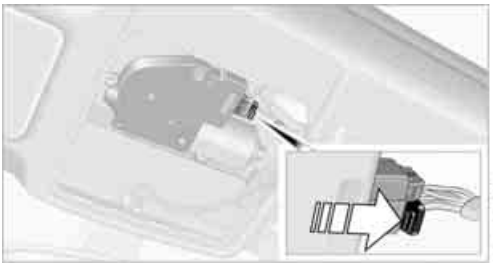
Closing manually

In the event of an electrical malfunction, you can move the panorama glass roof manually:

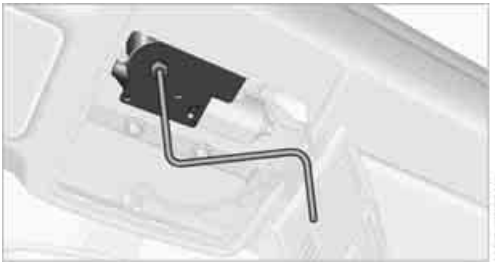
1. Unclip the front of the cover of the interior lamps using the screwdriver from the onboard tool kit, refer to page 119.

2. Insert the screwdriver into the openings on each side to press the clips.

3. Remove the control unit.
4. Unplug the motor. Considerably less effort will be required for manual operation.



5. Insert the Allen wrench supplied with the onboard tool kit, refer to page 119, into the opening provided. Move the panorama glass roof in the desired direction.



6. Reinstall the control unit and reattach the lamp cover.

Adjustments

Sitting safely

The ideal sitting position can make a vital contribution to relaxed, fatigue-free driving. In conjunction with the safety belts, the head restraints and the airbags, the seated position has a major influence on your safety in the event of an accident. To ensure that the safety systems operate with optimal efficiency, we strongly urge you to observe the instructions contained in the following section.

For additional information on transporting children safely, refer to page 39.

Airbags

Always maintain an adequate distance between yourself and the airbags. Always grip the steering wheel on the rim, with your hands in the 3 o'clock and 9 o'clock positions, to minimize the risk of injury to the hands or arms in the event of the airbag being triggered off.
No one and nothing is to come between the airbags and the seat occupant.
Do not use the cover of the front airbag on the front passenger side as a storage area. Make sure that the front passenger is sitting correctly, e.g. not resting feet or legs on the instrument panel, otherwise leg injuries can occur if the front airbag is triggered.
Make sure that passengers do not lean their heads against the side or head airbags, otherwise serious injuries could result if the side airbags suddenly deployed.◀

Even if you follow all the instructions, injuries resulting from contact with airbags cannot be fully excluded, depending on the circumstances. The ignition and inflation noise may provoke a mild hearing loss in extremely sensitive individuals. This effect is usually only temporary.

For airbag locations and additional information on airbags, refer to page 71.

Head restraint

A correctly adjusted head restraint reduces the risk of neck injury in the event of an accident.

Adjust the head restraint in such a way that its center is at approx. ear level. Otherwise, there is an increased risk of injury in the event of an accident.◀

Head restraints, refer to page 33.

Safety belt

Before every drive, make sure that all occupants wear their safety belts. Airbags complement the safety belt as an additional safety device, but they do not represent a substitute.

Never allow more than one person to wear a single safety belt. Never allow infants or small children to ride in a passenger's lap.
Expectant mothers should also wear the safety belt, making sure that the strap in the pelvic area is well down on the hips and does not press against the abdominal region of the body.
Do not route the belt across your neck, or run it across sharp edges. Be sure that the belt does not become caught or jammed. The safety belt should not be twisted and must be positioned firmly over the pelvis and shoulder, as close to the body as possible. It should not pass over hard or fragile objects, otherwise the belt in the pelvic area could slide over the hips in the event of a head-on collision and injure the lower abdomen. Avoid wearing bulky clothing and regularly pull the belt in the upper-body area taut, otherwise its restraining effect could be impaired.◀

Safety belts, refer to page 36.

Seats

Note before adjusting

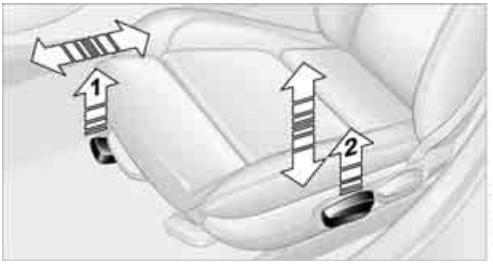
Never attempt to adjust your seat while the vehicle is moving. The seat could respond with unexpected movement, and the

ensuing loss of vehicle control could lead to an accident.
On the front passenger seat as well, do not incline the backrest too far to the rear while the vehicle is being driven, otherwise there is a danger in the event of an accident of sliding under the safety belt, eliminating the protection normally provided by the belt.◀

Comply with the instructions on head restraint height on page 33, and on damaged safety belts on page 36.

Seat adjustment

Observe the adjustment instructions on page 31 to ensure the best possible personal protection.◀



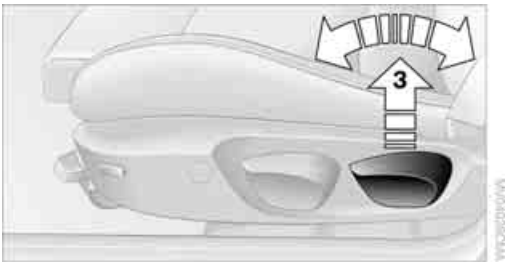
Longitudinal direction

Pull lever **1** and slide the seat to the desired position.
After releasing the lever, move the seat gently forward or back to make sure it engages properly.

Height

Pull lever **2** and apply your weight to the seat or lift it off, as necessary.

Backrest



Pull lever **3** and apply your weight to the backrest or lift it off, as necessary.

Lumbar support*

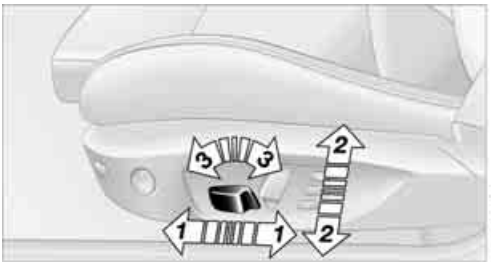
You can also adjust the contour of the backrest to obtain additional support in the lumbar region.

The upper hips and spinal column receive supplementary support to help you maintain a relaxed, upright sitting position.

- ▷ Increase or decrease curvature: push switch forward or back.
- ▷ Shift curvature up or down: push switch up or down.

Electric seat adjustment*

Comply with the adjusting instructions mentioned above to ensure the best possible personal protection.◀



1 Longitudinal direction

2 Height

3 Angle

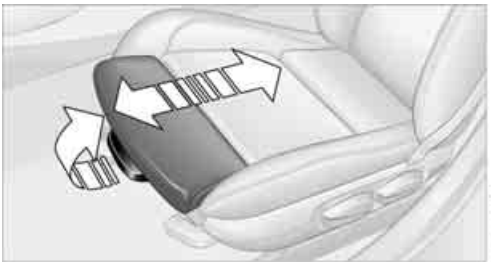
4 Backrest

The head restraints are adjusted manually, refer to Head restraints below.

Sports seat*

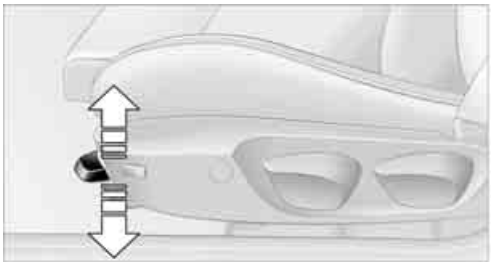
On this seat, you can manually adjust the thigh support, the tilt angle and the width of the backrest.

Thigh support



Pull the lever and move the thigh support forward or back.

Angle



Pull the lever and apply your weight to the seat or lift it off, as necessary.

Backrest width

You can change the width of the backrest to suit your individual preferences by adjusting the lateral-support pads.

Push switch forward or back.
Backrest width decreases or increases accordingly.

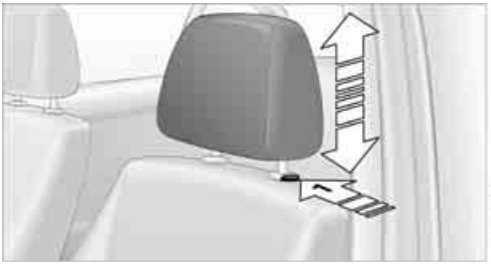
Head restraints

A correctly adjusted head restraint reduces the risk of neck injury in the event of an accident.

Adjust the head restraint in such a way that its center is at approx. ear level. Otherwise, there is an increased risk of injury in the event of an accident.◀

Front seats

Height adjustment



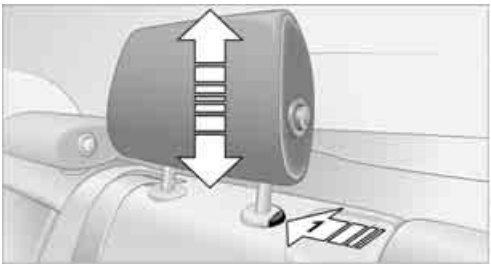
- To raise: pull up.
- To lower: press the button, arrow **1**, and slide the head restraint down.

Removing

1. Pull up all the way.
2. Press the button, arrow **1**, and pull the head restraint all the way out.

Rear seats

Height adjustment

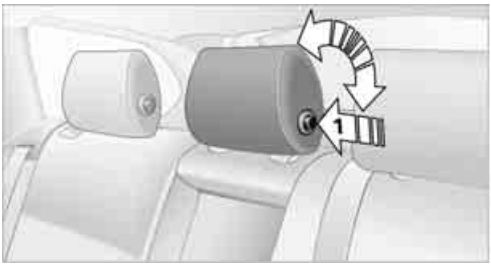


- To raise: pull up.
- To lower: press the button, arrow **1**, and slide the head restraint down.

Removing

1. Pull up all the way.
2. Press the button, arrow **1**, and pull the head restraint all the way out.
   Fold the rear-seat backrest slightly forward before pulling out a head restraint.

Folding head restraints down and up



Folding down:
Press the button, arrow **1**.

Folding up:
Pull the head restraint.

Note that it is an offense to drive with the rear seats occupied and the rear head restraints folded down. Fold up the head restraints before allowing passengers to occupy the rear seats.◀

Heated seats*

Press once for each temperature level.
Three lamps indicate the highest temperature.

To switch off:
Press button longer.

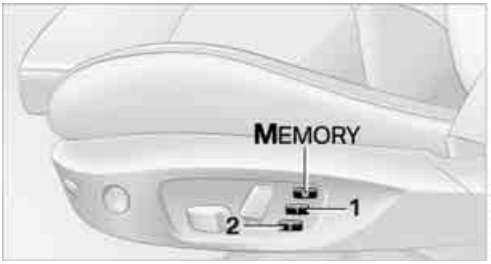
If you continue driving within the next 15 minutes, the seat heating is automatically activated at the previously set temperature.

Seat and mirror memory*

You can store and call up two different combinations of driver's-seat and exterior-mirror positions.

Settings for the seat back width and lumbar support are not stored in memory.

Storing



1. Switch on radio readiness or the ignition, refer to page 42.
2. Adjust the seat and exterior mirrors to the desired positions.
3. Press the M button.
   The LED in the button lights up.
4. Press the desired memory key **1** or **2**.
   The LED goes out.

   The driver's seat and exterior mirror positions are stored for the remote control currently in use.

Automatic call-up

You can select at what occasion the stored positions of the driver's seat and exterior mirrors are to be called up.

- Call-up when the vehicle is unlocked
- Call-up when the driver's door is opened.

When this Personal Profile function is used, first ensure that the footwell behind the driver's seat is free of obstacles. Failure to do so could cause injury to persons or damage to objects as a result of a rearward movement of the seat.◀

The adjusting procedure is immediately halted when you press a seat adjustment switch or one of the MEMORY buttons.

Activating/deactivating automatic call-up

Operating principle, refer to page 59.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the symbol appears in the display accompanied by the word "SET".

2. Press button **2**.
3. Lightly push button **1** in the turn indicator stalk down repeatedly until the symbol appears in the display.

4. Press button **2**.
5. Use button **1** to select:
   - Call-up when the vehicle is unlocked.
   - Call-up when the driver's door is opened.
   - off
     Switch off automatic function.
6. Press button **2**.
   The setting is stored.

Manual call-up

Do not call up memory while you are driving, otherwise unexpected seat movement could result in an accident.◀

Convenience mode

1. Unlock and open the driver's door or switch on radio readiness, refer to page 42.
2. Briefly press the desired memory button **1** or **2**.

The adjusting procedure is immediately halted when you touch a seat adjustment switch or one of the MEMORY buttons.

Safety feature

1. Close the driver's door and switch the ignition on or off, refer to page 42.
2. Press the desired memory button **1** or **2** and maintain pressure until the adjustment process has been completed.

If the M button was pressed accidentally: press the button again; the LED goes out.

Safety belts

Observe the adjustment instructions on page 31 to ensure the best possible personal protection.◀

Before every drive, make sure that all occupants wear their safety belts. Airbags complement the safety belt as an additional safety device, but they do not represent a substitute.

On the rear seats, the center belt buckle marked with the letters CENTER is solely intended for the center passenger.

Closing

Make sure you hear the latch plate engage in the belt buckle.

The upper belt anchor is suitable for adults of any stature as long as the seat is adjusted properly, refer to page 31.

Opening

1. Grasp the belt firmly.
2. Press the red button in the buckle.
3. Guide the belt into its reel.

'Fasten safety belts' reminder for front seats

The indicator lamp comes on and an acoustic signal sounds. Check whether the safety belt has been fastened correctly.The 'Fasten safety belts' reminder is issued as long as the driver's safety belt has not been fastened. The 'Fasten safety belts' reminder is also activated at road speeds above approx. 5 mph or 8 km/h if the front passenger's safety belt is not fastened, if heavy objects are placed on the front passenger seat, or if driver or front passenger unfasten their safety belts.

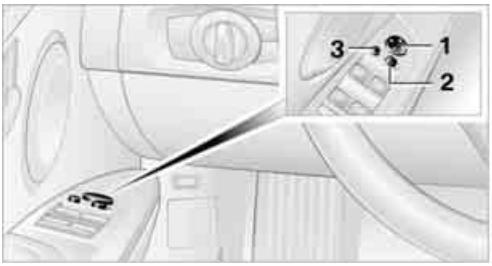
Damage to safety belts

If the safety belts are damaged or stressed in an accident: have the belt system, including any belt tensioners, replaced and the belt anchors checked. Have this work done only by your BMW Center or at a workshop that works according to BMW repair procedures with correspondingly trained personnel. Otherwise, it is not guaranteed that the safety devices will function properly.◀

Mirrors

Exterior mirrors

The front passenger's mirror is more convex than the driver's mirror. The objects seen in the mirror are closer than they appear. Do not gauge your distance from traffic behind you on the basis of what you see in the mirror; otherwise there is an increased risk of an accident.◀



1 Adjustments

2 Switching to the other mirror or automatic curb monitor*

3 Folding mirrors in and out*

The positions of the exterior mirrors are stored for the remote control currently used*, refer to Personal Profile, page 19.

Manual adjustment

The mirrors can also be adjusted manually: press the edge of the glass.

To prevent the exterior mirrors on this vehicle from being damaged, always fold them in by hand before entering an automatic car wash.◀

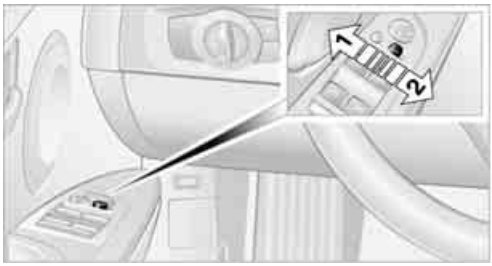
Automatic heating*

At outside temperatures below a certain limit, both exterior mirrors are automatically heated while the engine is running or the ignition switched on.

Passenger-side mirror tilt function – automatic curb monitor*

Activating

1. Push the switch to the position for the driver's-side mirror, arrow **1**.

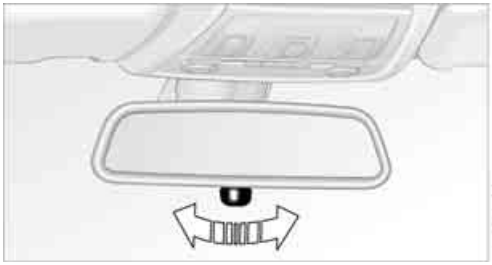


2. Engage reverse gear or move the selector lever to position R.
   The glass of the mirror on the passenger side tilts slightly down. This allows the driver to see the area immediately adjacent to the vehicle, such as a curb, when parking, etc.

Deactivating

Push the switch to the position for the passenger-side mirror, arrow **2**.

Interior rearview mirror



Turn the knob to reduce glare from the headlamps of cars behind you when driving at night.

Automatically dimming mirrors, refer to page 97.

Steering wheel

Adjustments

Do not adjust the steering wheel position while the car is in motion, or an accident may result from any unexpected movement.◀

1. Fold the lever down.
2. Move the steering wheel to the preferred height and angle to suit your seated position.
3. Swing the lever back up.

   Do not use force to swing the lever back up, otherwise the mechanism will be damaged.◀

Electric steering wheel lock

The steering wheel locks or unlocks automatically when the remote control is removed or inserted, refer to page 42.

Transporting children safely

The right place for children

Do not leave children unattended in the vehicle, otherwise they could endanger themselves and/or other persons by opening the doors, for example.◀

The rear center seat is not suitable for installing universal child-restraint systems for all age groups, approved for the age group in question.

Children always in the rear

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

Children under the age of 13 or smaller than 5 ft/150 cm may be transported only in the rear in suitable child-restraint systems appropriate for their age, weight and size. Otherwise there is an increased risk of injury in the event of an accident.◀

Children 13 years of age or older must be buckled in with a safety belt as soon as there no longer is any child-restraint system that is appropriate for their age, size and weight.

All rear seats in your vehicle meet the recommendations of the SAE J1819 standard for safely mounting child-restraint systems in motor vehicles.

Exception for front passenger seat

Should it be necessary to use a child-restraint system on the front passenger seat, the front and side airbags must be deactivated. Otherwise, a child traveling on that seat will be at an increased risk of injury if the airbags are triggered off, even with a child-restraint system. Your BMW Center will be glad to advise you.◀

For more information on automatic deactivation of the front passenger airbags refer to page 72.

Installing child-restraint systems

Observe the child-restraint system manufacturer's instructions for selecting, installing and using child-restraint systems. Otherwise the protective effect may be diminished.◀

Standard child-restraint systems are designed to be secured with a lap belt or with the lap-belt section of a lap-and-shoulder belt. Incorrectly or improperly installed child-restraint systems can increase the risk of injury to children. Always follow the installation instructions for the system with the greatest care.

On the front passenger's seat

Before installing a child-restraint system on the front passenger's seat, make sure that the front and side airbags for the front passenger are deactivated, otherwise there is an increased risk of injury if the airbags deploy.◀

Seat height

Before installing a universal child-restraint system, move the front passenger's seat up as far as it will go to ensure that the safety belt will be ideally positioned. Do not change the seat height afterward.

Backrest width

The backrest width of the front passenger seat must be adjusted to its widest setting, otherwise the stability of the child seat on the front passenger seat is limited.◀

1. Adjust the backrest width to its widest setting, refer to page 33.
2. Install the child seat.

Child seat security

All rear safety belts and the front passenger's safety belt can be prevented from being pulled out in order to fasten child-restraint systems.

To lock the safety belt

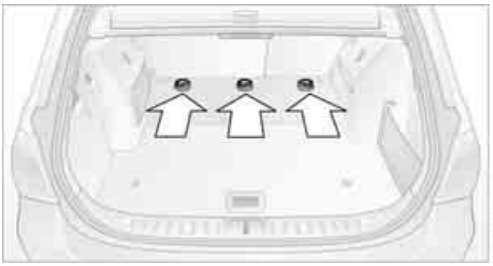
1. Secure the child-restraint system with the belt.
2. Pull the belt strap all the way out.
3. Allow the belt strap to retract and pull it taut against the child-restraint system.

The safety belt is locked.

To unlock the safety belt

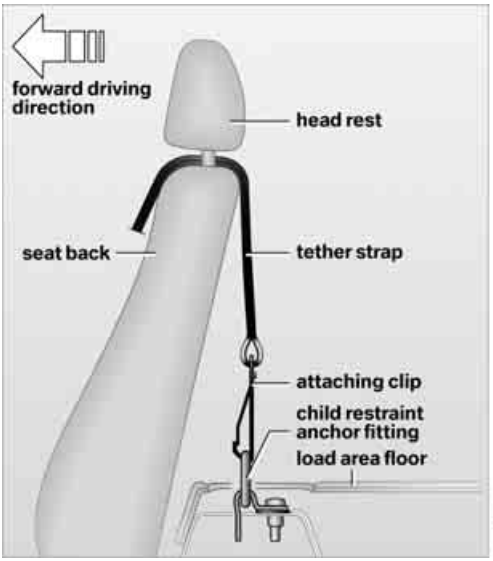
1. Open the belt buckle
2. Remove the child-restraint system.
3. Allow the safety belt strap to retract all the way.

Child-restraint system with tether strap



There are three additional anchors for child-restraint systems with tether straps, see arrows.

Placement of the tether strap



Fold the anchors upward before using them.

1. Push the head restraint upward.
2. Guide the tether strap through the mounting for the head restraint.
3. Push the head restraint into its lowermost position.

LATCH child-restraint fixing system

LATCH: Lower Anchor and Tethers for CHildren.

When installing a LATCH child seat, comply with the system manufacturer's operating and safety instructions.◀

Rear seats

The anchor points for the LATCH child-restraint fixing system are located behind the indicated protective caps. Flip up the corresponding caps.

On journeys

Child-safety locks for rear doors

Slide down the safety lever on the rear doors:

The door can now be opened from the outside only.

Safety switch for power windows

Press the safety switch for the power windows, refer to page 28, if children are traveling on the rear seat.

Driving

Ignition lock

Insert the remote control all the way into the ignition lock.

- Radio readiness switches on. Individual electrical consumers can operate.
- The electric steering wheel lock disengages audibly.

Insert the remote control into the ignition lock before you move the vehicle, otherwise the electric steering wheel lock will not disengage and you will not be able to steer the car.◀

Removing the remote control from the ignition lock

Press the remote control in briefly; it is ejected part of the way.

At the same time:

- The ignition switches off if it was on beforehand.
- The electric steering wheel lock engages audibly.

Automatic transmission

You cannot take out the remote control unless the selector lever is in the P position: interlock.

Start/stop button

Each time the start/stop button is pressed, radio readiness or the ignition is switched on or off.

Briefly pressing the start/stop button while the brake or clutch is depressed starts the engine.◀

Radio readiness

Individual electrical consumers can operate. The time and the outside temperature are displayed in the instrument cluster.

Radio readiness is switched off automatically:

- Immediately when the remote control is removed from the ignition lock
- In cars with convenient access*, by touching the surface above the door lock, refer to Locking on page 26

Ignition on

Most of the indicator and warning lamps in the indicator area **1** of the instrument cluster, refer to page 13, light up and remain on for different lengths of time.

Radio readiness and ignition off

All indicator and warning lamps in the instrument cluster go out.

Starting the engine

Do not run the engine in closed rooms, otherwise the inhaling of toxic exhaust gases can cause unconsciousness and death. The exhaust gases contain carbon monoxide, an odorless and colorless, but highly toxic gas. Never leave an unattended vehicle with the engine running, otherwise such a vehicle represents a potential safety hazard.
Before leaving the car with the engine running, place the transmission in idle or move the selector lever to position P and apply the handbrake to prevent the car from moving.◀

When starting the engine, do not press the accelerator pedal.

Do not allow the engine to warm up by leaving it running while the vehicle remains stationary. Instead, begin to drive immediately at a moderate engine speed.

Do not depress either the brake or the clutch until you are ready to start the engine. The engine is started immediately when you briefly touch the start/stop button and depress the brake if the car has automatic transmission, or the clutch if the car has manual transmission.◀

Manual transmission

1. Apply the handbrake.
2. Depress the clutch and shift to idle position.
3. Briefly press the start/stop button.

The starter operates automatically for a certain time, and stops automatically as soon as the engine has started.

Automatic transmission

1. Depress the brake.
2. Move the selector lever to position P.
3. Briefly press the start/stop button.

The starter operates automatically for a certain time, and stops automatically as soon as the engine has started.

Special starting conditions

In the following situations, press the accelerator pedal halfway down when starting the engine:

- If the engine does not start on the first attempt, for instance when it is extremely hot or cold.
- If the engine is started at very low temperatures, below approx. + 5 °F /–15 °C, at high altitudes above approx. 3,300 ft/1,000 m.

Avoid frequent starting in quick succession or repeated start attempts in which the engine does not start. Otherwise, the fuel is not burned or inadequately burned and there is a danger of overheating and damaging the catalytic converter.◀

Switching off the engine

Always take the remote control with you when you leave the vehicle.
When parking on a downhill incline, apply the handbrake, otherwise the vehicle could roll away.◀

Manual transmission

1. Apply the handbrake.
2. With the car at a standstill, briefly press the start/stop button.
3. Shift into first gear or reverse.

Automatic transmission

1. With the car at a standstill, move the selector lever to position P.
2. Briefly press the start/stop button.
3. Apply the handbrake.

Handbrake

The handbrake is primarily intended to prevent the vehicle from rolling while parked; it brakes the rear wheels.

Indicator lamp

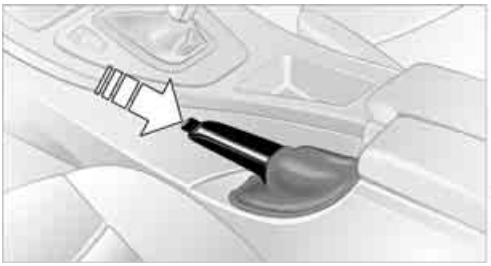
BRAKE The indicator lamp is lit, and when you drive off an acoustic signal sounds in addition. The handbrake is still applied.

Indicator lamp for Canadian models.

Applying

The lever locks in position automatically.

Releasing



Pull slightly upwards, press the button and lower the lever.

In exceptional cases, if the handbrake has to be used to slow or stop the car, do not pull the lever up too hard. In doing so, continuously press the button of the handbrake lever. Otherwise, too violent an application of the handbrake can overbrake the rear axle and cause the rear of the car to swerve.◀

To prevent corrosion and one-sided braking action, occasionally apply the handbrake lightly when the vehicle is slowly coming to a stop if the traffic conditions are suitable. The brake lamps do not light up when the handbrake is applied.◀

Manual transmission

When shifting into 5th or 6th gear, press the gearshift lever to the right. Otherwise the engine could be damaged if you inadvertently shift into 3rd or 4th gear.◀

Reverse gear

Select only when the vehicle is stationary. When the gearshift lever is pressed to the left, a slight resistance has to be overcome.

Automatic transmission with Steptronic*

In addition to fully automatic operation, you can also manually shift with the Steptronic, refer to page 45.

Vehicle parking

To prevent the vehicle from rolling, always select position P and apply the handbrake before leaving the vehicle with the engine running.◀

Disengaging the remote control

In order to remove the remote control from the ignition lock, you must first move the selector lever to position P and switch off the engine: interlock.

Selector lever positions

P R N D M/S + –

Displays in the instrument cluster

P R N D DS M1 to M6

The selector lever position is displayed, or the current gear in the manual mode.

Changing selector lever positions

- With the ignition switched on or the engine running, the selector lever can be moved out of position P: interlock.
- Before moving the lever away from P or N with the vehicle stationary, first depress the brake; otherwise the selector lever will refuse to move: shiftlock.

  To prevent the vehicle from creeping after you select a driving position, depress the brake until you are ready to start.◀

A lock prevents you from inadvertently engaging selector lever positions R and P. To cancel the lock, press the button on the front of the selector lever, refer to arrow.

P Park

Select only when the vehicle is stationary. The rear wheels are locked.

R Reverse

Select only when the vehicle is stationary.

N Neutral, idle

You can select this in a car wash, for example. The vehicle can roll.

D Drive, automatic position

Position for normal vehicle operation. All forward gears are selected automatically.

Under normal operating conditions, fuel consumption is lowest when you are driving in position D.

Kick-down

Kick-down enables you to achieve maximum performance.
Press the accelerator pedal beyond the full-throttle resistance point.

Manual operation and Sport program M/S

Move selector lever from position D toward the left into the M/S shifting slot:
The sport program is activated and DS appears in the instrument cluster. This position is recommended for a performance-oriented driving style.
When you press the selector lever forwards or backwards, the manual mode is activated and Steptronic changes gear. The instrument cluster shows M1 through M6.

Upshifts and downshifts are executed only when they will result in a plausible combination of engine and vehicle speed; thus, for example, a downshift that would cause the engine to overrev will not be executed by the system. The

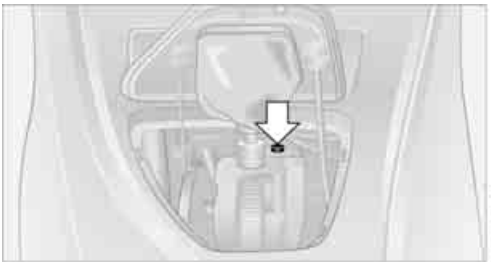
gear selected appears briefly in the instrument cluster, followed by the gear actually in use.

To use the automatic function again, move the selector lever to the right into position D.

Overriding selector lever lock

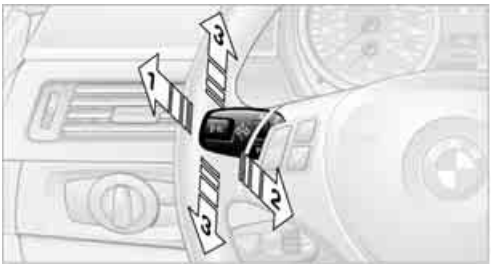
Should the selector lever refuse to move out of position P although the button on the selector lever is pressed, the selector lever lock can be overridden:

1. Unclip the sleeve of the selector lever.
2. Pull the sleeve up over the selector lever until the sleeve is inside out.



3. Using the screwdriver from the onboard tool kit, refer to page 119, press the red lever while moving the selector lever to the desired position.

Turn signals/ headlamp flasher



1 High beams

2 Headlamp flasher

3 Turn signals

Using turn signals

Press the lever beyond the resistance point.

To turn off manually, press the lever to the resistance point.

Unusually rapid flashing of the indicator lamp indicates that a turn signal indicator has failed.
After switching off the ignition, make sure that the roadside parking lamps are not switched on.◀

Indicating a turn briefly

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

Triple turn signal activation

Press the lever as far as the resistance point. The turn signals flash three times.

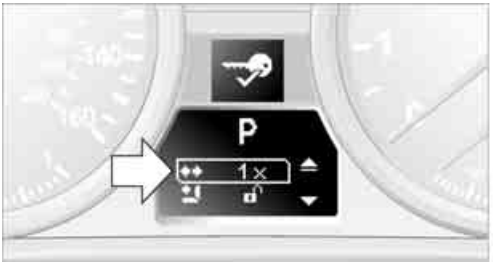
You can activate or deactivate this function.

Operating principle, refer to page 59.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the symbol appears in the display accompanied by the word "SET".

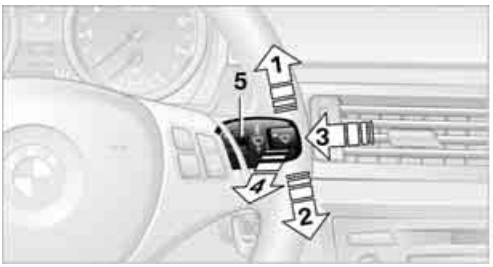
2. Press button **2**.

3. Lightly push button **1** in the turn indicator stalk down repeatedly until the symbol appears in the display.



4. Press button **2**.
5. Use button **1** to select:
   - ▷ 1x
     Brief indication of a turn.
   - ▷ 3x
     Triple turn signal.
6. Press button **2**.
   The setting is stored.

Wiper system



1 Switching on wipers

2 Switching off wipers or brief wipe

3 Activating/deactivating intermittent wipe or rain sensor*

4 Cleaning windshield and headlamps*

5 Setting speed for intermittent wipe, or sensitivity of the rain sensor

Switching on wipers

The lever automatically returns to its initial position when released.

Normal wiper speed

Press once.

The system switches to operation in the intermittent mode when the vehicle is stationary.

Fast wiper speed

Press twice or press beyond the resistance point.
The system switches to normal speed when the vehicle is stationary.

Intermittent wipe or rain sensor*

If the car is not equipped with a rain sensor, the intermittent-wipe time is a preset.

If the car is equipped with a rain sensor, the time between wipes is controlled automatically and depends on the intensity of the rainfall. The sensor is mounted on the windshield, directly in front of the interior rearview mirror.

Activating intermittent wipe or rain sensor

Press button **3**. The LED in the button lights up.

Setting speed for intermittent wipe or sensitivity of the rain sensor

Slide switch **5** up or down.

Deactivating intermittent wipe or rain sensor

Press button **3** again. The LED goes out.

Deactivate the rain sensor before entering an automatic car wash. Failure to do so could result in damage caused by undesired wiper activation.◀

Cleaning windshield and headlamps*

Pull lever **4**.

Washer fluid is sprayed onto the windshield and the wipers are operated for a short time.

When the vehicle lighting system is switched on, the headlamps are cleaned at regular and appropriate intervals.

Do not use the washers if there is any danger that the fluid will freeze on the windshield. If you do, your vision could be obscured. Antifreeze should therefore be added to the fluid, refer to Washer fluid.
Do not use the washers when the washer fluid reservoir is empty, otherwise you will damage the washer pump.◀

Windshield washer nozzles

The windshield washer nozzles are heated automatically while the engine is running or the ignition switched on.

Rear window wiper

1 Intermittent operation. When reverse gear is engaged, the system switches to continuous operation.

2 Cleaning the rear window

Do not use the washers when the washer fluid reservoir is empty, otherwise you will damage the washer pump.◀

Washer fluid

Washer fluid antifreeze is flammable. Always keep it well away from sparks and open flames, and store it in the tightly closed original container, well out of the reach of children. Comply with the instructions on the container.◀

Washer fluid reservoir

Fill with water and, if required, with a washer antifreeze, according to manufacturer's recommendations.

Mix the water and antifreeze before filling the washer fluid reservoir to make sure the correct concentration is maintained.◀

Capacity

Approx. 6.3 US quarts/6 liters.

Cruise control*

The concept

Cruise control is available for use at speeds of approx. 20 mph or 30 km/h. The car then stores and maintains the speed that you specify using the lever on the steering column. In order to maintain the specified speed, the system brakes the vehicle when the engine braking effect is insufficient on downhill gradients.

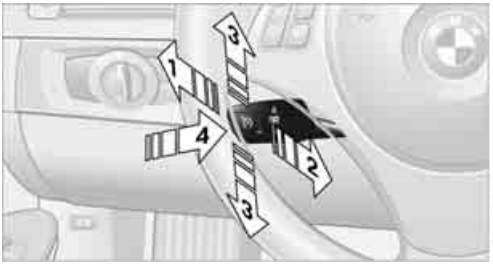
Do not use cruise control when driving conditions are unfavorable for driving at a constant speed. Otherwise you could lose control of the vehicle and cause an accident as a result. Unfavorable driving conditions include, for example, winding roads, heavy traffic or a poor road surface, e.g. snow, rain, ice or loose material.◀

Manual transmission

You can shift gears while cruise control is activated. An indicator lamp notifies you that you

should shift gears when you drive for an extended period at very high or very low engine speeds, or the system is deactivated.

One lever for all functions



1 Storing and maintaining speed or accelerating

2 Storing and maintaining speed or decelerating

3 Deactivating cruise control

4 Resuming a speed stored beforehand

Maintaining current speed

Tap the lever, arrow **1**, or pull it briefly, arrow **2**. The car's current speed is stored and maintained. It is displayed in the speedometer and briefly in the instrument cluster.

On uphill gradients, it may prove impossible to maintain the set speed if current engine power output is insufficient. If the engine braking effect is insufficient on downhill slopes, the system will brake the vehicle slightly.

Increasing desired speed

Repeatedly press the lever to the resistance point or beyond, arrow **1**, until the desired speed is reached.

- Each time the lever is pressed to the resistance point, the desired speed is increased by approx. 1 mph or 1 km/h.
- Each time the lever is pressed beyond the resistance point, the desired speed is increased by up to 5 mph or 10 km/h.

The system stores and maintains the speed.

Accelerating using the lever

Accelerating slightly:

Press the lever to the resistance point, arrow **1**, until the desired speed is reached.

Accelerating significantly:

Press the lever beyond the resistance point, arrow **1**, until the desired speed is reached.

The vehicle accelerates without pressure on the accelerator pedal. The system stores and maintains the speed.

Decreasing desired speed

Repeatedly pull the lever to the resistance point or beyond, arrow **2**, until the desired speed is displayed.

- Each time the lever is pulled to the resistance point, the desired speed is decreased by approx. 1 mph or 1 km/h.
- Each time the lever is pulled beyond the resistance point, the desired speed is reduced by up to 5 mph or 10 km/h until the minimum speed of 20 mph or 30 km/h is achieved.

The system stores and maintains the speed.

If the speed is to be reduced significantly, depress the brake; otherwise, deceleration may be insufficient and dangerous situations could result.◀

Deactivating cruise control

Tap the lever upwards or downwards, arrow **3**. The displays in the speedometer disappear.

In addition, the system is automatically deactivated:

- When you brake the vehicle
- When you switch gears very slowly or shift to idle in cars with manual transmission
- When you select the automatic transmission's neutral position N
- When you activate DTC or deactivate DSC
- When DSC or ABS is intervening

Cruise control is not deactivated by depressing the accelerator pedal. Once the accelerator

pedal is released, the stored speed is achieved again and maintained.

Warning lamp

The warning lamp comes on when cruise control has been automatically deactivated by engaging the handbrake or as a result of DSC intervening.

Resuming a speed stored beforehand

Briefly press the button, arrow **4**. the stored speed is resumed and maintained.

In the following instances, the stored speed is deleted and can no longer be resumed:

- When driving stability control systems are intervening
- In cars with manual transmission: when you shift gears very slowly or shift to idle position
- In cars with automatic transmission: when you engage selector lever position N
- When the ignition is switched off

Displays in the instrument cluster

1 Stored speed

2 Selected speed is displayed briefly

If --- mph or --- km/h temporarily appears in the instrument cluster display, it is possible that the system prerequisites for operation are currently not met.
Calling up Check Control messages, refer to page 64.◀

Malfunction

The warning lamp comes on when the system has failed. You can find more information starting on page 130.

Active cruise control*

The concept

With active cruise control, you can select a desired speed which is not only automatically maintained when driving on open roadways, but also varied to maintain a selected distance setting as slower traffic is encountered.

Active cruise control is a technological advance over the familiar cruise control and is a welcome relief from the constant adjustment of speed that can accompany driving in traffic on highways or other high-speed thoroughfares. Especially on longer trips, the system can reduce fatigue and tension, while increasing your enjoyment of driving. Please use it safely and responsibly.

Within the limits of its capability, the system automatically adapts the car's speed to that of a slower vehicle in front of you. You can specify the distance to be maintained from the vehicle in front in four stages. For safety reasons, the distance is speed-dependent. Based on your selected distance setting, the system automatically decreases the throttle setting and lightly applies the brakes if necessary. The vehicle brake lamps will automatically illuminate to signal a following driver to take action. In addition, it may be necessary for the vehicle or the driver to downshift, depending on the kind of transmission your vehicle is equipped with, to maintain the distance setting selected. If the vehicle ahead speeds up or when the lane ahead becomes clear, your vehicle will accelerate to the speed you have selected by increasing the throttle setting and shifting gears automatically or by the driver as needed. Your selected speed will be held when driving downhill, too.

Since this active cruise control system is a new technology and operates differently from con-

ventional cruise control systems which you may be accustomed to, you are strongly urged to read all of the pages relating to this system before use. Pay special attention to the System limitations section beginning on page 54.

Braking sensation

The system's automatic brake operation results in a braking sensation that is slightly different from what you feel when you brake the vehicle yourself in a similar situation. Possible noises during automatic deceleration are normal.

Manual transmission

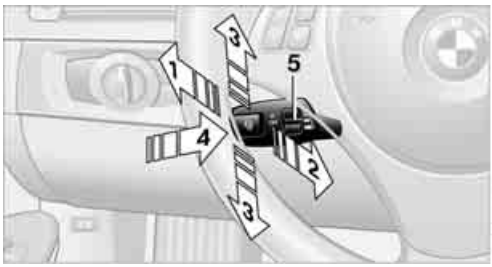
You can shift gears while cruise control is activated. An indicator lamp notifies you that you should shift gears when you drive for an extended period at very high or very low engine speeds, or the system is deactivated.

Range of applications

The minimum desired speed is 20 mph or 30 km/h, and the maximum desired speed is 110 mph or 180 km/h.

As with conventional cruise control systems, active cruise control in no way diminishes or substitutes for the driver's own personal responsibility, alertness and awareness in adjusting speed, braking or otherwise controlling the vehicle. The driver should decide when to use the system on the basis of road, traffic, visibility, and weather conditions. Active cruise control is intended for use on highway-type roadways where traffic is moving relatively smoothly. Do not use this system in city driving; heavy traffic such as during rush hour; on curvy, winding roads, slippery roads or roads with sharp curves such as highway off-ramps; during inclement weather such as snow, strong rain or fog; or when entering interchanges, service/parking areas or toll booths. It is also important to regulate your vehicle's speed and distance setting within applicable legal limits. Always be ready to take action or apply the brakes if necessary, especially when the system is actively following a vehicle in front of you. Otherwise, driving conditions could result which violate the law or pose a risk of accident.◀

One lever for all functions



1 Store and increase desired speed
2 Store and decrease desired speed
3 Deactivate system, refer to page 53
4 Resume stored desired speed and distance, refer to page 53
5 Select distance to vehicle driving ahead, refer to page 52

Maintaining current speed

Briefly press the lever, arrow **1**, or briefly pull it, arrow **2**, at a driving speed of more than approx. 20 mph or 30 km/h.

The car's current speed is stored and maintained. It is displayed in the speedometer and briefly in the instrument cluster.

On uphill gradients, it may prove impossible to maintain the set speed if current engine power output is insufficient. If the engine braking effect is insufficient on downhill slopes, the system will brake the vehicle slightly.

Adjusting desired speed

Adjust your desired speed to the traffic conditions and remain ready to brake at all times, otherwise there is a risk of accident. Great differences in speed to the vehicle ahead, e.g. when quickly approaching a truck or when another vehicle swerves into your lane, cannot be compensated for by the system.◀

Increasing in increments

Repeatedly tap the lever to the resistance point or beyond, arrow **1**, until the desired speed is reached.

- Each time the lever is tapped to the resistance point, the desired speed is increased by approx. 1 mph or 1 km/h.
- Each time the lever is tapped beyond the resistance point, the desired speed is increased by up to 5 mph or 10 km/h until the maximum speed of 110 mph or 180 km/h is achieved.

The speed then displayed is stored and achieved on a clear road.

Increasing continuously

Repeatedly press the lever to the resistance point or beyond, arrow **1**, until the desired speed is reached.
The speed then displayed is stored and reached as soon as the road ahead of you is clear.

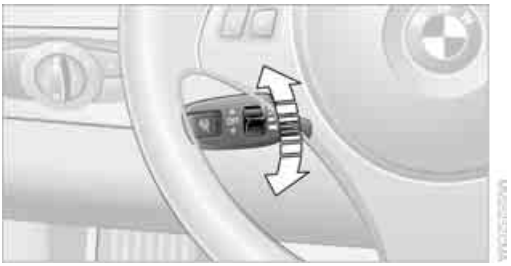
Decreasing in increments

Repeatedly pull the lever to the resistance point or beyond, arrow **2**, until the desired speed is reached.

- Each time the lever is pulled to the resistance point, the desired speed is decreased by approx. 1 mph or 1 km/h.
- Each time the lever is pulled beyond the resistance point, the desired speed is reduced by up to 5 mph or 10 km/h until the minimum speed of 20 mph or 30 km/h is achieved.

The speed then displayed is stored and achieved on a clear road.

Selecting distance



- Press downward:
  Increase distance
- Press upward:
  Decrease distance.

The selected distance is displayed in the instrument cluster.

Distance 1

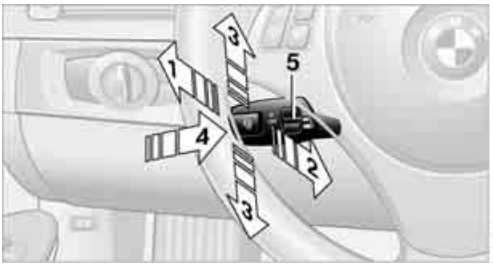
Distance 2

Distance 3
This distance is always set when the system is used for the first time after starting the engine.

Distance 4

Use good judgement to select the appropriate following distance given road conditions, traffic, applicable laws and driving recommendations for safe following distance. Otherwise, you may be in violation of the law or an accident could result.◀

Deactivating cruise control



Press the lever upward or downward, arrow **3**. The displays in the speedometer disappear.

In addition, the system is automatically deactivated:

- When you brake the vehicle
- When the speed is reduced to below 20 mph or 30 km/h due to a traffic situation
- When you switch gears very slowly or shift to idle in cars with manual transmission
- When you select the automatic transmission's neutral position N
- When you activate the Dynamic Traction Control DTC
- When you deactivate the Dynamic Stability Control DSC
- When DSC or ABS is intervening
- When the system does not recognize any objects for a longer period of time, e.g. on infrequently traveled roads without a shoulder or guard rails, or if the radar sensor is covered with dirt, refer to page 54
- When you apply the handbrake

When the system is deactivated, you must brake the vehicle yourself and/or maneuver as necessary, otherwise there is a risk of accident.◀

Warning lamp

The warning lamp comes on when active cruise control has been automatically deactivated due to a driving speed below 20 mph or 30 km/h, an application of the handbrake or a DSC intervention.

Resuming stored desired speed and distance

Briefly press the button, arrow **4**.
The stored speed and distance are regained and maintained.

In the following instances, the stored speed is deleted and can no longer be resumed:

- When driving stability control systems are intervening
- In cars with manual transmission: when you shift gears very slowly or shift to idle position
- In cars with automatic transmission: when you engage selector lever position N
- When the ignition is switched off

Displays in the instrument cluster

1 Stored desired speed

2 Shows yellow: vehicle detected ahead

Flashes in red: system cannot maintain distance; driver must brake the vehicle

Flashes in yellow: driving stability control systems are intervening; cruise control is deactivated

3 Selected distance to vehicle ahead
The indicator lights up as soon as the system is activated.

4 Selected desired speed is temporarily displayed

If --- mph or --- km/h temporarily appears in the instrument cluster display, it is possible that the system prerequisites for operation

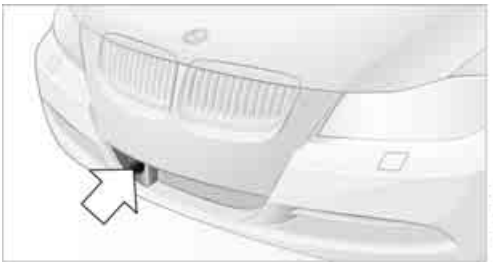
are currently not met. Calling up Check Control messages, refer to page 64.◀

Warning lamps

The indicator **2** flashes in red; a signal sounds.
The system indicates that you must brake and/or maneuver the vehicle yourself. Active cruise control cannot automatically restore the distance to the vehicle ahead.
This indicator does not release you from your responsibility to adapt your desired speed and driving style to prevailing driving conditions.

The indicator **2** flashes in yellow. The prerequisites for operating active cruise control are not met, e.g. as a result of ABS or DSC interventions. Active cruise control is deactivated. You can reactivate the system, if desired, by tapping or pulling the lever when road and traffic conditions permit. It is not possible to resume a stored speed.

Radar sensor



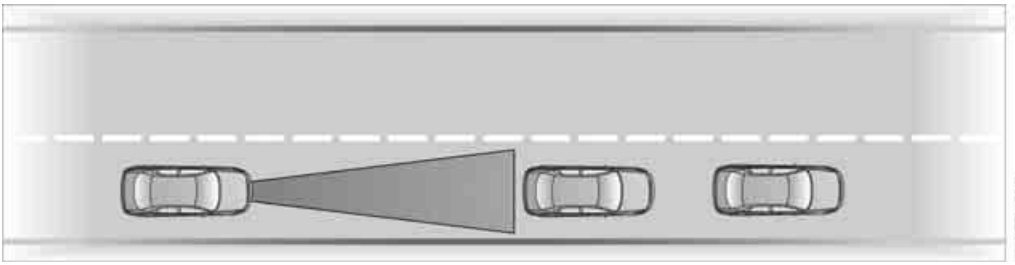
The sensor's ability to detect vehicles ahead may be restricted as a result of heavy rain, dirt, snow or ice. If necessary, clean the radar sensor located in the front bumper, see arrow. Be sure to use particular care when removing any layers of snow or ice from the sensor.

When the radar sensor is not properly positioned, active cruise control cannot be activated at all.

Malfunction

The warning lamp comes on when the system has failed. You can find more information starting on page 130.

System limitations



Always remember that the range and ability of the system does have physical limitations. It will not apply the brakes or decelerate your vehicle when there is a slow-moving vehicle, stopped vehicle or stationary object ahead of you, as for example, at a traffic light or a parked vehicle. Also, the system does not react to oncoming traffic, pedestrians or other types of potential traffic such as a rider on horseback. It is also possible that the system may not detect smaller moving objects such as motorcycles or bicycles. Be especially alert when encountering any of these situations as the system will neither automatically brake, nor provide a warning to you. Also, be aware that every decrease in the distance setting allows your vehicle to come closer to a vehicle in front of you and requires a heightened amount of alertness.◀

Active cruise control is not and must not be used as a collision avoidance/warning system.◀

If while your vehicle is actively following a vehicle in front of you and the vehicle ahead speeds up or the lane ahead becomes clear, then your vehicle will accelerate to the speed you have selected. Be aware that changing to a clear, unobstructed lane will also result in your vehicle accelerating.

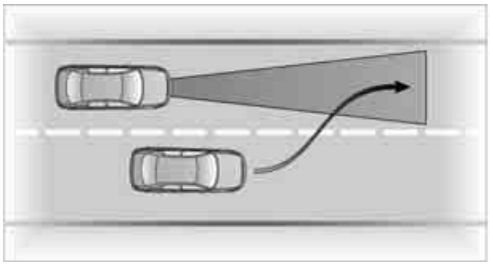
Be certain to deactivate the system when you pull into an exit lane for a highway off-ramp.◀

Also, vehicles traveling in a staggered manner on a highway may cause a delay in the system's reaction to a vehicle in front of you or may cause the system to react to a vehicle actually in the lane next to you. Always be ready to take action or apply the brakes if necessary.

While active cruise control is capable of braking your vehicle automatically when you approach a slower vehicle ahead, it is important to be aware that the ability of the system to apply the brakes is also limited, e.g. when you reduce your desired speed sharply. The system cannot stop your vehicle. It uses only a portion of braking system capacity and does not utilize the full capacity of the vehicle braking system. Therefore, the system cannot decrease your speed for large differences in speed between your vehicle and the vehicle ahead. Examples: when you approach a vehicle traveling at a much lower speed than your own speed such as approaching a toll booth or when a much slower vehicle cuts in front of you at close range.◀

Active cruise control can only decelerate the vehicle to approx. 20 mph or 30 km/h.

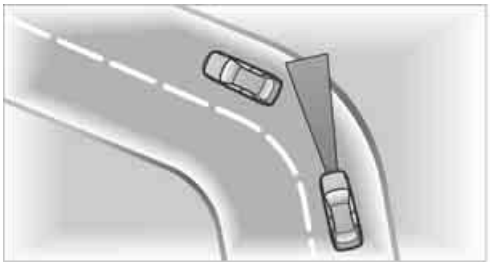
Swerving vehicles



When a vehicle moves from an adjacent lane into your lane, active cruise control will not recognize this vehicle until it is fully in your lane ahead of your vehicle.

When a vehicle ahead suddenly swerves into your lane, the system may not be able to maintain the selected distance automatically. This also applies to great differences in speed between you and vehicles ahead, e.g. when quickly approaching a truck. There is a risk of collision. Once the system has established that a vehicle is indeed in front of you, it will indicate that you must brake and/or maneuver the vehicle yourself. Take action yourself, otherwise there is a risk of an accident.◀

Behavior in curves



Because of the limited range of the system, it is possible that in curves or on the peaks and valleys of hilly roads, a vehicle ahead may be recognized late, or not at all. Therefore, it is up to the driver to select a speed that is prudent in view of the curves and terrain of the roadway.

In approaching a curve, it is possible that active cruise control would react briefly to a vehicle in the adjacent lane. In addition, the system can sense if your vehicle is in a curve and may not accelerate. If your vehicle decelerates in either case, you can choose to overcome the deceleration by briefly pressing the accelerator pedal.

Your responsibility

Your actions have priority at all times. When you press the accelerator pedal while driving with active cruise control, the automatic braking function will be temporarily interrupted. Once you release the accelerator pedal, the desired speed or the selected distance to the vehicle ahead is achieved again.

Do not leave your foot on the accelerator pedal and make sure that no objects such as floor mats are lying on the accelerator pedal. Otherwise the system may not be able to brake the vehicle.◀

Everything under control

Odometer, outside temperature display, clock

1 Resetting trip odometer
2 Outside temperature display and clock
3 Odometer and trip odometer

Units of measure

To select the respective units of measure, miles or km for the odometer as well as °F or °C for the outside temperature, refer to page 60.

Outside temperature display, clock

Setting the time, refer to page 62.

Outside temperature warning

When the displayed temperature sinks to approx. +37 °F /+3 °C, a signal sounds and a warning lamp lights up. There is an increased risk of black ice.

Black ice can also form at temperatures above +37 °F /+3 °C. You should therefore drive carefully on bridges and shaded roads, for example, otherwise there is an increased risk of an accident.◀

Odometer and trip odometer

Resetting trip odometer:
With the ignition switched on, press button **1** in the instrument cluster.

When the vehicle is parked

If you still want to view the time, outside temperature and odometer reading briefly after the remote control has been removed from the ignition lock:
Press button **1** in the instrument cluster.

Tachometer

Never force the engine speed up into the red warning field, see arrow. In this range, the fuel supply is interrupted to protect the engine.

Coolant temperature

A warning lamp will come on if the coolant, and therefore the engine, becomes too hot.

Check coolant level, refer to page 115.

Energy Control

Displays the current fuel consumption. This allows you to see whether your current driving style is conducive to fuel economy with minimum exhaust emissions.

Fuel gauge

Fuel tank capacity: approx. 15.9 US gallons/ 60 liters. You can find information on refueling on page 104.

If the tilt of the vehicle varies for a longer period, when you are driving in mountainous areas, for example, the indicator may fluctuate slightly.

Reserve

Once the fuel level has fallen to the reserve zone of approx. 2.1 US gallons/8 liters, the indicator lamp and cruising range for the remaining amount of fuel are displayed briefly. The indicator lamp remains permanently on if the remaining range is less than approx. 30 miles/50 km.

Refuel as soon as possible once your cruising range falls below 30 miles/ 50 km, otherwise engine functions are not ensured and damage can occur.◀

Computer

Displays in the instrument cluster

To call up the information, press the button in the turn indicator stalk.

The following items of information are displayed in the order listed:

- Cruising range
- Average speed
- Average fuel consumption

To set the corresponding units of measure, refer to Formats and units of measure on page 60.

Cruising range

Displays the estimated cruising range available with the remaining fuel. The range is calculated on the basis of the way the car has been driven over the last 18 miles/30 km and the amount of fuel currently in the tank.

Be sure to refuel as soon as possible once your cruising range falls below 30 miles/ 50 km, otherwise engine functions are not ensured and damage can occur.◀

Average speed

Periods with the vehicle parked and the engine switched off are not included in the calculations of average speed.

To reset average speed: press the button in the turn indicator stalk for approx. 2 seconds.

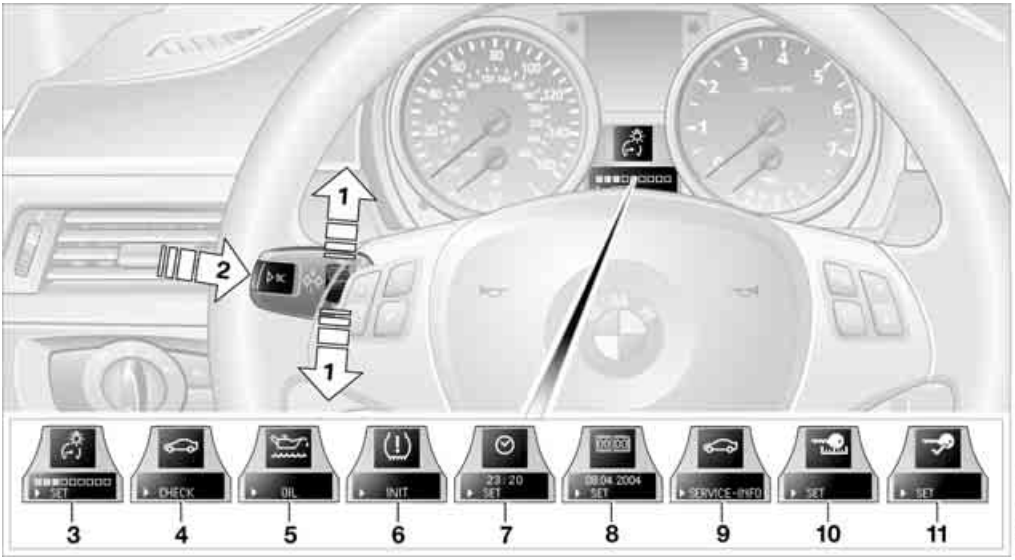
Average fuel consumption

The average fuel consumption is calculated for the time during which the engine is running.

To reset average fuel consumption: press the button in the turn indicator stalk for approx. 2 seconds.

Settings and information

Operating principle



1 Button for:
- ▷ Selecting display
- ▷ Setting values

2 Button for:
- ▷ Confirming selected display or set values
- ▷ Calling up computer information 58

3 When the lights are switched on: instrument lighting brightness 76

4 Calling up Check Control 63

5 Checking engine oil level* 113

6 Initializing the Flat Tire Monitor 69

7 Setting the time 62

8 Setting the date 63

9 Viewing service requirement display 61

10 Setting formats and units of measure, resetting to factory settings 60

11 Adjusting settings
- ▷ Confirmation signals when locking and unlocking the vehicle 21
- ▷ Response during unlocking procedure 20
- ▷ Automatic locking 22
- ▷ Pathway lighting 74
- ▷ Daytime driving lamps 75
- ▷ Triple turn signal activation 46
- ▷ Seat and mirror memory 35

Exiting displays

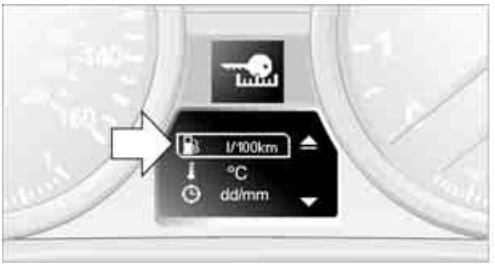
The outside-temperature reading and the time reappear when you press button **2** or if you make no entries within approx. 15 seconds. If required, complete the current setting first.

Formats and units of measure

You can set formats and units of measure. The settings are stored for the remote control currently in use, refer also to Personal Profile on page 19.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the symbol appears in the display accompanied by the word "SET".

2. Press button **2**.
3. Use button **1** to select desired format or desired unit of measure, e.g. for fuel consumption.



- ▷ Fuel consumption: mpg, km/l, l/100km
- ▷ Distance covered: mls, km
- ▷ Time: 12h, 24h mode
- ▷ Date: day.month dd.mm, month/day mm/dd
- ▷ Temperature: °F , °C

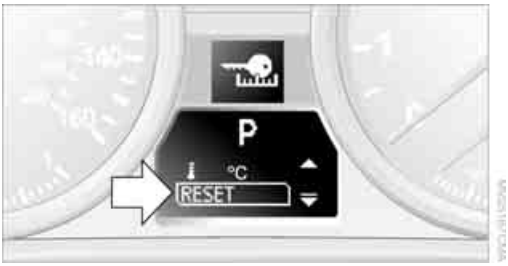
4. Press button **2**.
5. Use button **1** to make the setting.
6. Press button **2**.
   The setting is stored.

Resetting to factory settings

You can reset the settings for formats and units of measure to factory settings. The settings are stored for the remote control currently in use, refer also to Personal Profile on page 19.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the symbol appears in the display accompanied by the word "SET".

2. Press button **2**.
3. Use button **1** to select "RESET".



4. Press button **2** until ✓ is displayed. The settings are reset.

Service requirements

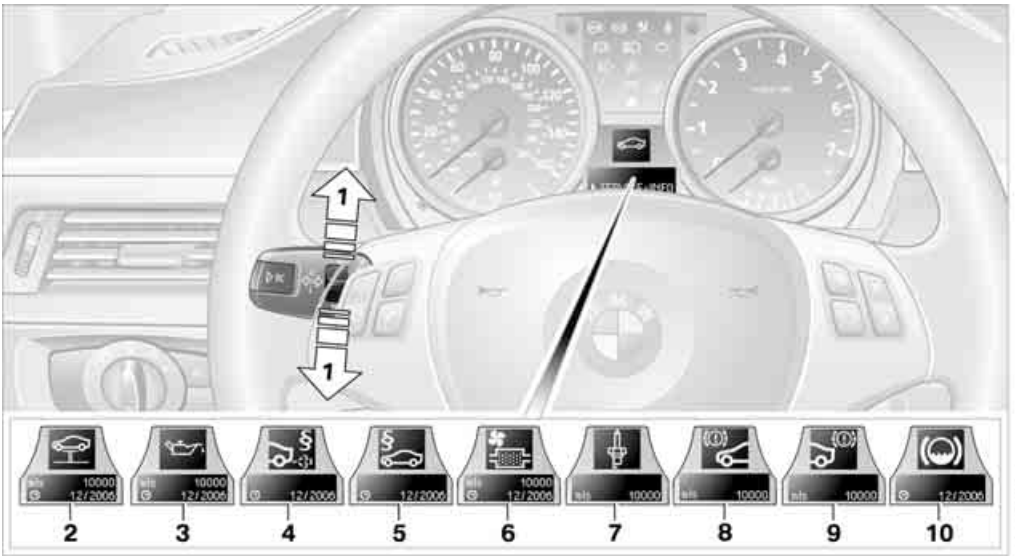
The remaining driving distance and the date of the next scheduled service are displayed briefly immediately after you start the engine or switch on the ignition.

The extent of service work required can be read out from the remote control by your BMW Service Advisor.◀

For certain maintenance operations, you can view the respective distance remaining or due date individually in the instrument cluster.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the appropriate symbol appears in the display, accompanied by the words "SERVICE-INFO".
2. Press button **2**.
3. Use button **1** to scroll through the individual service items.

Possible displays



1 Button for selecting functions
2 Service requirements
3 Engine oil
4 Exhaust emissions test*
5 Roadworthiness test*
6 Microfilter
7 Spark plugs
8 Brakes, front
9 Brakes, rear
10 Brake fluid

More information on the BMW Maintenance System can be found on page 117.

Clock

Setting the time

To set the 12h/24h mode, refer to Formats and units of measure on page 60.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the appropriate symbol appears in the display, accompanied by the time and the word "SET".
2. Press button **2**.
3. Use button **1** to set the hours.
4. Press button **2**.
5. Use button **1** to set the minutes.
6. Press button **2**.
   The system displays the new time.
7. Use button **2** to save the new time.

Date

Setting the date

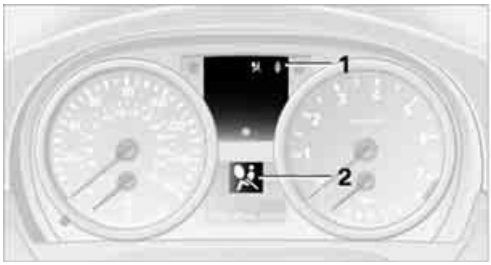
To set the dd/mm or mm/dd date format, refer to Formats and units of measure on page 60.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the appropriate symbol appears in the display, accompanied by the date and the word "SET".
2. Press button **2**.
3. Use button **1** to set the day of the month.
4. Press button **2**.
5. Set the month and the year in the same way.
6. Press button **2**.
   The system displays the new date.
7. Use button **2** to save the new date.

Check Control

The concept

The Check Control monitors vehicle functions and alerts you to any malfunctions in the systems monitored. Such a Check Control message includes indicator or warning lamps in the instrument cluster and, in some circumstances, an acoustic signal.

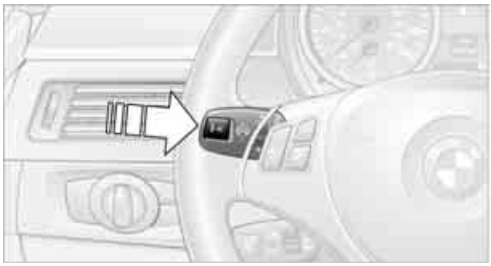


Indicator and warning lamps can light up in both the indicator area **1** and the display **2** in various combinations and colors.

What to do in case of a malfunction

The meaning of each lamp in the event of a malfunction and tips on how to respond are listed starting on page 130.

Hiding Check Control messages



Press the button in the turn indicator stalk.

Some Check Control messages remain visible until the malfunction in question has been rectified. They cannot be hidden. If several malfunctions occur at the same time, the Check Control messages are displayed in succession.

Other Check Control messages are automatically hidden after approx. 20 seconds, but remain stored.

⚠ indicates that Check Control messages have been stored. You can view the Check Control messages whenever it is convenient for you.

Viewing stored Check Control messages

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the appropriate symbol appears in the display, accompanied by the words "CHECK CONTROL".
2. Press button **2**.
"CHECK OK" appears if there are no Check Control messages.
If a Check Control message has been stored, the corresponding lamp comes on.
3. Lightly push button **1** to check for other messages.
4. Press button **2**.
The display again shows the outside temperature and the time.

PDC Park Distance Control*

The concept

The PDC assists you with maneuvering in tight parking spaces. Acoustic signals warn you of the presence of an object in front of* or behind your car. To measure the distance, there are four ultrasonic sensors in each bumper.

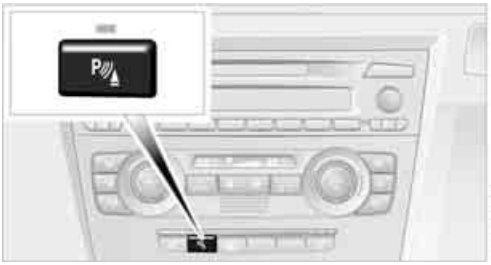
An acoustic warning sounds once an object is closer than approx. 2 ft/60 cm to the front sensors* or both rear corner sensors, or closer than approx. 5 ft/1.50 m to the rear center sensors.

PDC is a parking aid that can indicate objects when they are approached slowly, as is usually the case when parking. Avoid approaching an object at high speed, otherwise physical circumstances may lead to the system warning being issued too late.◀

Automatic mode

With the engine running or the ignition switched on, the system is activated automatically after approx. 1 second when you engage reverse gear or move the automatic transmission selector lever to position R. Wait this short period before driving.

Switching on manually



Press the button, the LED lights up.

Switching off manually

Press the button again; the LED goes out.

The system is automatically deactivated once the vehicle travels approx. 165 ft/50 m or exceeds a speed of approx. 20 mph or 30 km/h; the LED goes out. You can reactivate the system as needed.

Signal tones

When nearing an object, its position is indicated correspondingly by an interval tone. For example, the tone sounds at the rear if the system detects an object behind the car. As the distance between vehicle and object decreases, the intervals between the tones become shorter. If the distance to the nearest object falls to below roughly 1 ft/30 cm, then a continuous tone sounds.

The warning signal is canceled after approx. 3 seconds, if you are moving parallel to a wall.

Malfunction

The indicator lamp in the instrument cluster comes on. PDC is malfunctioning. Have the system checked.

To avoid this problem, keep the sensors clean and free of ice or snow in order to ensure that they will continue to operate effectively. When using a high-pressure cleaner, do not spray the sensors for extended periods of time and only from a distance of at least 4 in/10 cm.

Manual mode

The LED above the button flashes in addition.

System limitations

Even with PDC, final responsibility for estimating the distance between the vehicle and any obstructions always remains with the driver. Even when sensors are provided, there is a blind spot in which objects can no longer be detected. The system is also subject to the physical limits that apply to all forms of ultrasonic measurement, such as those encountered with trailer towbars and couplings,

thin and wedge-shaped objects, etc. Low objects already indicated, such as a curb, may enter the sensors' dead areas before a continuous audible signal is given. Higher, protruding objects, such as ledges, may not be detectable. Loud sound sources outside or inside the car can drown out the PDC signal.◀

Driving stability control systems

Your BMW has a number of systems that help to maintain the vehicle's stability even in adverse driving conditions.

ABS Antilock Brake System

ABS prevents locking of the wheels during braking. Safe steering response is maintained even during full braking. Active safety is thus increased.

The ABS is operational every time you start the engine. Braking safely, refer to page 97.

Electronic brake-force distribution

The system controls the brake pressure in the rear wheels to ensure stable braking behavior.

DBC Dynamic Brake Control

When you apply the brakes rapidly, this system automatically produces the maximum braking force boost and thus helps to achieve the shortest possible braking distance during full braking. This system exploits all of the benefits provided by ABS.

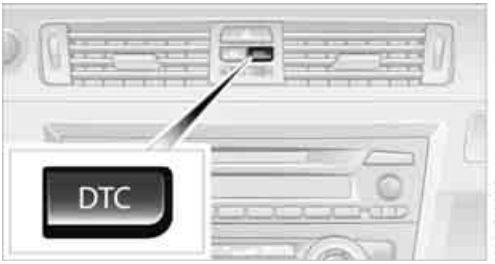
Do not reduce the pressure on the brake for the duration of the brake application. If the brake is released, DBC will be switched off.

DSC Dynamic Stability Control

DSC prevents the driving wheels from losing traction when you pull away from rest or accelerate. DSC also recognizes unstable driving conditions, for example if the rear of the car is about to swerve or if momentum is acting at an angle past the front wheels. In these cases, DSC helps the vehicle maintain a safe course within physical limits by reducing engine output and through braking actions at the individual wheels.

The laws of physics cannot be repealed, even with DSC. An appropriate driving style always remains the responsibility of the driver. Therefore, do not reduce the additional safety margin again by taking risks.◀

Deactivating DSC



Press the button for at least 3 seconds; the indicator lamps for DSC in the instrument cluster light up. Dynamic Traction Control DTC and DSC have been simultaneously deactivated. Stabilizing and drive-output promoting actions are no longer executed.

To increase vehicle stability, activate DSC again as soon as possible.

Activating DSC

Press the button again; the indicator lamps in the instrument cluster go out.

To control

If the indicator lamp flashes:
DSC controls the drive forces and brake forces.

If the indicator lamps are on:
DSC has been completely deactivated.

DTC Dynamic Traction Control

DTC is a version of DSC in which the drive output is optimized for particular road conditions, e.g. unplowed snow-covered roads. The system assures the maximal drive output, but with

reduced driving stability. It is therefore necessary to drive with appropriate caution.

You may find it useful to briefly activate DTC under the following special circumstances:

- When driving uphill on snow-covered roads, in slush or on unplowed, snow-covered roads
- When rocking a stuck vehicle free or starting off in deep snow or on loose ground
- When driving with snow chains

Activating DTC

Briefly press the button; the DTC indicator lamps in the instrument cluster come on.

To control

If the indicator lamp flashes:
DTC controls the drive forces and brake forces.

If the indicator lamps are on:
DTC has been activated.

Deactivating DTC

Press the button again; the DTC indicator lamps in the instrument cluster go out.

xDrive 325xi

xDrive is your BMW's four-wheel-drive system. The combined efforts of xDrive and DSC help to further optimize traction and driving dynamics. The xDrive four-wheel-drive system distributes driving power variably to the front and rear axles depending on the driving situation and road conditions.

Malfunction

In case of any of the malfunctions described below, drive cautiously and think well ahead. Avoid driving on rough tracks and pressing the accelerator pedal down to full throttle or kick-down position, otherwise the drive system could be damaged or accidents could result.◀

The warning lamps come on. xDrive has failed.
Have the system checked as soon as possible.

The warning lamps come on. xDrive and DSC have failed.
Have the system checked as soon as possible.

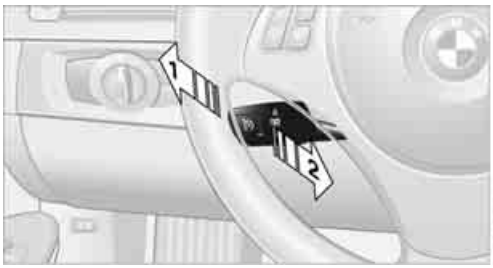
Hill Descent Control HDC 325xi

HDC is a downhill driving assistant that reduces your speed on steep downhill gradients and makes it even easier to control your BMW's handling under these conditions. The vehicle then moves slightly faster than double walking speed without the driver needing to intervene.

HDC can be activated as long as you are driving under approx. 20 mph or 35 km/h. When driving downhill at a speed of under approx. 20 mph or 35 km/h, the vehicle's speed is automatically reduced to slightly more than double walking speed and maintained.

Increasing or decreasing speed

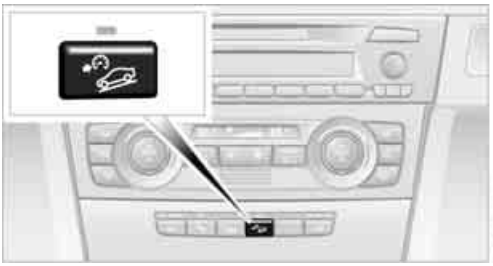
By accelerating or braking you can change the speed within a range from approx. 3 to 15 mph, approx. 5 to 25 km/h.
You can specify a target speed within the same range using the cruise control stalk.



1 To increase speed

2 To decrease speed

Activating HDC



Press the button; the indicator lamp lights up. The indicator lamp flashes when the vehicle is being braked automatically.

Deactivating HDC

Press the button again; the indicator lamp goes out.

HDC is deactivated instantly above a speed of approx. 35 mph or 60 km/h, or approx. 10 seconds after the ignition is switched off.

Using HDC

In cars with manual transmission:
Use HDC in lower gears and in reverse gear.

With automatic transmission:
You can use HDC in any drive position.

Displays in the instrument cluster

1 Display for target speed

2 HDC display

Malfunction

The HDC display disappears during HDC operation, or does not appear:
HDC is temporarily unavailable due to excessive brake temperature, or DSC has failed.

Malfunction in driving stability control systems

The warning lamps come on. DSC including DTC and DBC is malfunctioning.
The vehicle remains operational. Have the system checked as soon as possible.

Drive cautiously and think well ahead, otherwise unstable driving conditions could result.◀

With xDrive 325xi

If one of the malfunctions described below occurs, drive cautiously and think well ahead. Also avoid situations that require full braking, otherwise accidents could result. Avoid driving on rough tracks and pressing the accelerator pedal down to full throttle or kickdown position, otherwise the drive system could be damaged.◀

The warning lamps for the brake system come on in red, together with the yellow indicator lamps for driving stability control systems and FTM:
The driving stability control systems and the Flat Tire Monitor have failed.
All warning lamps come on in yellow:
The driving stability control systems and the Flat Tire Monitor have failed. The electronic brake-force distribution is still active.

Have the system checked as soon as possible.

Display* of this malfunction on Canadian models.

Display* of this malfunction on Canadian models.

Drive-off assistant

The drive-off assistant enables you to drive off smoothly on uphill gradients. It is not necessary to use the handbrake for this.

1. Hold the car in place by depressing the brake.
2. Release the brake and drive off without delay.

The drive-off assistant holds the car in place for approx. 2 seconds after the brake is released. Depending on vehicle load, the car may roll backwards a little during this time span. Drive off without delay after releasing the brake. Otherwise, the drive-off assistant will no longer hold the car in place after approx. 2 seconds and the car will start to roll backwards.◀

Malfunction

The warning lamps for the brake system light up in yellow. The drive-off assistant has failed. The car will not be held in place after the brake is released. Have the system checked as soon as possible.

Canadian models display these warning lamps.

Flat Tire Monitor FTM

The concept

The Flat Tire Monitor monitors tire pressures while the car is being driven. The system reports any significant loss of pressure in one tire in relation to another.

If a tire loses pressure, its rolling radius changes, and this in turn alters the speed of rotation. This change is detected and is reported as a flat tire.

Functional requirement

In order to assure the reliable reporting of a flat tire, the system must be initialized for the correct tire inflation pressure.

The system must be reinitialized each time a tire inflation pressure has been corrected or a wheel or tire has been changed.◀

System limitations

The Flat Tire Monitor is unable to warn the driver of sudden, severe tire damage caused by external factors, nor can it identify the gradual loss of pressure that will inevitably occur in all four tires over a lengthy period of time.◀

In the following situations, the system could be delayed or malfunction:

- System has not been initialized
- Driving on snowy or slippery road surface
- Performance-oriented style of driving: slip in the drive wheels, high lateral acceleration
- If snow chains are attached

Initializing the system

The initialization is completed during driving, which can be interrupted at any time. When driving resumes, the initialization is continued automatically.
Do not initialize the system while snow chains are attached.◀

Operating principle, refer to page 59.

1. Start the engine immediately before pulling away, but do not drive off yet.

2. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the appropriate symbol appears in the display, accompanied by the word "INIT".
3. Press button **2** to confirm your choice of the Flat Tire Monitor.

4. Press button **2** for approx. 5 seconds, until the reading shown below is displayed.

5. Start to drive.
Initialization is completed while the car is on the move, without any feedback.

Indication of a flat tire

The warning lamps come on in yellow and red. In addition, an acoustic signal sounds. There is a flat tire or substantial loss of tire pressure.

1. Cautiously reduce speed to below 50 mph or 80 km/h. Avoid sudden braking and steering maneuvers. Do not exceed a speed of 50 mph or 80 km/h.

   If the car is not equipped with Run-Flat Tires, refer to page 110, the standard equipment by design, do not continue driving. Otherwise a severe accident could result after a tire puncture.◀
2. At the next opportunity, check the air pressure in all four tires.

   If all four tires are inflated to the correct pressures, the Flat Tire Monitor might not have been initialized. The system must then be initialized.◀
3. In the event of complete tire pressure loss, 0 psi/0 kPa, you can estimate the possible distance for continued driving on the basis of the following guidelines:
   - With a light load:
     1 to 2 persons without luggage:
     approx. 155 miles/250 km
   - With a medium load:
     2 persons, cargo area full, or 4 persons without luggage:
     approx. 90 miles/150 km
   - With a full load:
     4 or more persons, cargo area full:
     approx. 30 miles/50 km

Drive cautiously and do not exceed a speed of 50 mph or 80 km/h. In the event of pressure loss, vehicle handling changes. This includes reduced tracking stability in braking, extended braking distance and altered natural steering characteristics.
If unusual vibration or loud noises occur during the journey, this may be an indication that the damaged tire has finally failed. Reduce your speed and pull over to the side of the road at the earliest opportunity. Otherwise, parts of the tire could come loose and cause an accident. Do not continue driving. Contact your BMW Center.◀

Malfunction

The warning lamps come on in yellow. The Flat Tire Monitor has a malfunction or has failed. Have the system checked as soon as possible.

Active steering*

The concept

Active steering varies the turning angle of the front wheels in relation to steering wheel movements. It also varies the steering force required to turn the wheels depending on the speed at which you are driving.

When you are driving in the low road-speed range, e.g. in a town or when parking, the steering angle increases, i.e. the steering becomes very direct, and less effort is required to turn the wheels. In the higher speed range, on the other hand, the steering angle is reduced more and more. This improves the handling capability of your BMW over the entire speed range.

In critical situations, the system can make targeted corrections to the steering angle provided by the driver and thus stabilize the vehicle before the driver intervenes. This stabilizing

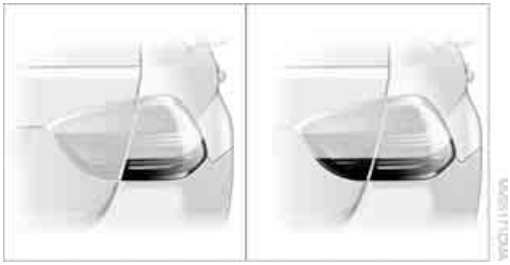
intervention is simultaneously deactivated when DSC is switched off, refer to page 66.

Malfunction

The warning lamps come on. Active steering is no longer operational. At low speeds, greater steering wheel movements are required, whereas at higher speeds the vehicle reacts more sensitively to steering wheel movements. Drive cautiously and think well ahead. Have the system checked.

If the warning lamp lights up during the first engine starting following a power supply interruption, the system must be activated by being initialized.

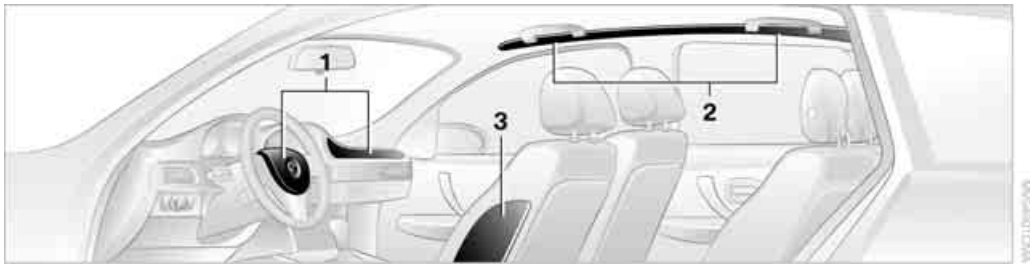
Brake Force Display*



The brake lamps light up in two stages, depending on how sharply you apply the brakes.

- Normal braking:
  The brake lamps and the center brake lamp light up.
- Sharp braking:
  The illuminated surface of the brake lamps is enlarged, as long as the rear fog light is not switched on.

Airbags



The following airbags are located under the marked covers:

1 Front airbags

2 Head airbags

3 Side airbags

Protective action

Observe the adjustment instructions on page 31 to ensure the best possible personal protection.◀

The front airbags help protect the driver and front passenger by responding to frontal impacts in which safety belts alone cannot provide adequate restraint. When needed, the head and side airbags help provide protection in the event of side impact. The relevant side airbag supports the side upper body area. The head air bag supports the head.

The airbags will purposely not be activated by every collision, e.g. not by more minor accidents, certain roll-over situations and rear-end collisions.

Do not apply adhesive materials to the cover panels of the airbags, cover them or modify them in any other way. Do not attach

seat covers, cushions or other objects not specifically approved 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 attempt to remove the airbag retention system from the vehicle. Do not modify the individual components of the system or its wiring in any way. This includes the upholstered covers on the steering wheel, instrument panel, seats and roof posts, as well as the sides of the roof lining. Do not attempt to remove or dismantle the steering wheel.
Do not touch the individual components immediately after the system has been triggered, because there is a danger of burns.
In the event of malfunctions, deactivation, or triggering of the airbag restraint system, have the testing, repair, removal, and disposal of airbag generators executed only by a BMW Center or a workshop that works according to BMW repair procedures with correspondingly trained personnel and has the required explosives licenses. Unprofessional attempts to service the system could lead to failure in an emergency or undesired airbag activation, either of which could result in personal injury.◀

Warning notices and information about the airbags can also be found on the sun visors.

Automatic deactivation of the front passenger airbags

An analysis of the impression in the front passenger seat cushion determines whether and how the seat is occupied. The front and side airbags for the front passenger are activated or deactivated by the system accordingly.

The indicator lamp above the interior rearview mirror shows the current status of the front passenger airbags, deactivated or activated, refer to Status of front passenger airbags below.

Before transporting a child on the front passenger seat, read the safety precautions and handling instructions under Transporting children safely, refer to page 39.
The front and side airbags can also be deactivated by adolescents and adults sitting in certain positions; the indicator lamp for the front passenger airbags comes on. In such cases, the passenger should change his or her sitting position so that the front passenger airbags are activated and the indicator lamp goes out. If the desired airbag status cannot be achieved by changing the sitting position, transport the relevant passenger on a rear seat. Do not attach seat covers, seat cushion padding, ball mats or other items to the front passenger seat unless they are specifically recommended by BMW. Do not place any items under the seat which could press against the seat from below. Otherwise a correct analysis of the seat cushion is not ensured.◀

Status of front passenger airbags

The indicator lamp for the front passenger airbags shows the functional status of the front passenger's front and side airbags in accordance with whether and how the front passenger seat is occupied. The indicator lamp shows whether the front passenger airbags are activated or deactivated.

- The indicator lamp comes on as intended when a child in a specially designated child-restraint system is detected on the seat.
  The front and side airbags for the front passenger are not activated.
- The indicator lamp does not come on as long as a person of sufficient size and in a correct sitting position is detected on the seat.
  The front and side airbags for the front passenger are activated.
- The indicator lamp does not come on if the seat is empty.
  The front and side airbags for the front passenger are not activated.

Operational readiness of airbag system

As of radio readiness, refer to page 42, the warning lamp comes on briefly to indicate that the entire airbag system and the belt tensioners are operational.

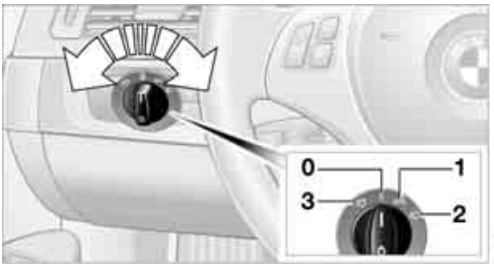
Airbag system malfunction

- Warning lamp does not come on along with radio readiness
- Warning lamp remains permanently on

In the event of a fault in the airbag system, have it checked without delay, otherwise there is the risk that the system will not function as intended even if a sufficiently severe accident occurs.◀

Lamps

Parking lamps/low beams



0 Lamps off and daytime driving lamps

1 Parking lamps and daytime driving lamps

2 Low beams

3 Automatic headlamp control* and Adaptive Head Light*

Parking lamps

In switch position **1**, the front, rear and side vehicle lighting is switched on. You can use the parking lamps for parking. For the additional option of roadside parking lamps on one side of the car only, refer to page 76.

The parking lamps will discharge the battery. Therefore, do not leave them on for unduly long periods of time, otherwise the battery might not have enough power to start the engine.◀

Low beams

The low beams light up when the light switch is in position **2** and the ignition is on.

If desired, the light switch can remain in the low-beam headlamp position. The exterior lamps are automatically switched off after the vehicle is parked.

If necessary, switch on the parking lamps as described in the section about parking lamps.

Automatic headlamp control*

When the switch is in position **3**, the low beams are switched on and off automatically depending on ambient light conditions, e.g. in a tunnel, in twilight, or if there is precipitation. The LED next to the symbol is illuminated when the low beams are on.

When driving into tunnels with bright overhead lights, there may be a delay before the headlamps come on.
The headlamps may also come on when the sun is sitting low on a blue sky.

The low beams remain switched on independent of the ambient lighting conditions when you switch on the fog lamps*.
When the daytime driving lamps are activated, refer to page 75, the low-beam headlamps are always switched on when the switch is in position **3** and the ignition is on.◀

If desired, the light switch can remain in position **3**. The exterior lamps are automatically switched off after the vehicle is parked.

The automatic headlamp control cannot serve as a substitute for your personal judgment in determining when the lamps should be switched on in response to ambient lighting conditions. For example, the system cannot detect fog or hazy weather. To avoid safety risks, you should always switch on the lamps manually under these conditions.◀

Pathway lighting

If you activate the headlamp flasher after parking the car, with the lights switched off, the low beams come on and remain on for a certain time.

You can adjust the operating period or deactivate the function.

Operating principle, refer to page 59.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the symbol

appears in the display accompanied by the word "SET".

2. Press button **2**.
3. Lightly push button **1** in the turn indicator stalk down repeatedly until the symbol appears in the display.

4. Press button **2**.
5. Use button **1** to select:
   - ▷ **0 s**
     The function is deactivated.
   - ▷ **10 s ... 240 s**
     Select the corresponding duration, e.g. 40 seconds.
6. Press button **2**.
   The setting is stored.

Daytime driving lamps

If desired, the light switch can remain in the Lamps off position or the Parking lamps position.
In the Lamps off position, the exterior lamps are automatically switched off after the vehicle is parked. In the Parking lamps position, the parking lamps come on after the ignition is switched off.

If necessary, switch on the parking lamps as described in the section about parking lamps.

Activating/deactivating daytime driving lamps*

Operating principle, refer to page 59.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the symbol appears in the display accompanied by the word "SET".

2. Press button **2**.
3. Lightly push button **1** in the turn indicator stalk down repeatedly until the symbol appears in the display.

4. Press button **2**.
5. Use button **1** to select:
   - ▷ **on**
     Daytime driving lamps activated.
   - ▷ **off**
     Daytime driving lamps deactivated.
6. Press button **2**.
   The setting is stored.

Adaptive Head Light*

The concept

Adaptive Head Light is a variable headlamp control system that enables better illumination

of the road surface. Depending on the steering angle and other parameters, the light from the headlamp follows the course of the road.

Activating Adaptive Head Light

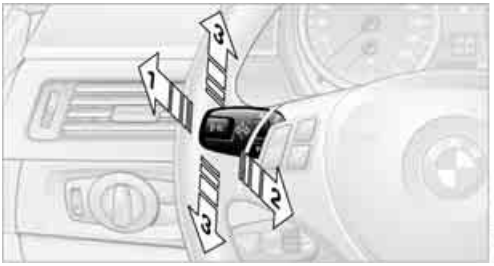
With the ignition on, turn the light switch to the automatic headlamp control position, refer to page 74.

To avoid dazzling the drivers of oncoming vehicles, Adaptive Head Light is not active when the car is driven in reverse, and directs the light to the front passenger's side when the vehicle is at a standstill.

Malfunction

The LED next to the symbol for automatic headlamp control flashes. Adaptive Head Light is malfunctioning or has failed. Have the system checked as soon as possible.

High beams/roadside parking lamps



1 High beams

2 Headlamp flasher

3 Roadside parking lamps*

Roadside parking lamps, left or right*

There is an additional option of switching on the lamps on the side of the car facing the road when parked, if permitted in the country of use.

After parking the vehicle, press the lever up or down beyond the pressure point, arrow **3**.

The roadside parking lamps drain the battery. Therefore, do not leave them on for unduly long periods of time, otherwise the battery might not have enough power to start the engine.◀

Fog lamps*

The parking lamps or low beams must be switched on for the fog lamps to operate. The green indicator lamp in the instrument cluster lights up whenever the fog lamps are on.

Depending on your vehicle's equipment version, the fog lamps are switched off when you activate the headlamp flasher or switch on the high beams*.

If the automatic headlamp control is activated, the low beams will come on automatically when you switch on the fog lamps.◀

Instrument lighting

You can adjust the brightness of the instrument lighting only when the parking lamps or the low beams are switched on.

1. Lightly push button **1** up or down repeatedly until the appropriate symbol appears in

the display, accompanied by the brightness and the word "SET".

2. Press button **2**.

3. Lightly push button **1** up or down to select the brightness; the setting is stored immediately.
4. Press button **2** in the turn indicator stalk. The display again shows the outside temperature and the time.

Interior lamps

The interior lamps, the footwell lamps*, the cargo area lamp and the courtesy lamps* are controlled automatically.

The LEDs for the courtesy lamps are set in the door handles and illuminate the ground in front of the doors.

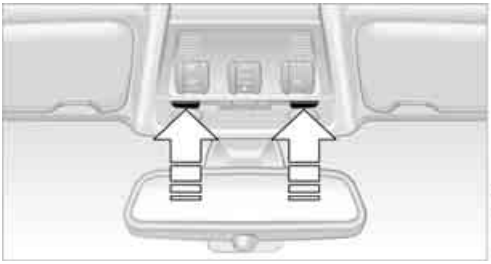
To avoid draining the battery, all lamps inside the car are switched off about 15 minutes after the ignition is switched off, refer to Start/stop button on page 42.◀

Switching interior lamps on/off manually

Interior lamps, front and rear*:
To switch on and off, press the button.

To switch off the lamp permanently, press the button for the front interior lamp for about 3 seconds.

Reading lamps



There are reading lamps at the front and rear*, next to the interior lamps. To switch on and off, press the button.

Climate

Equipment versions

Depending on the equipment version, your car has an air conditioner or an automatic climate control system.

1 Air conditioner

2 Automatic climate control*

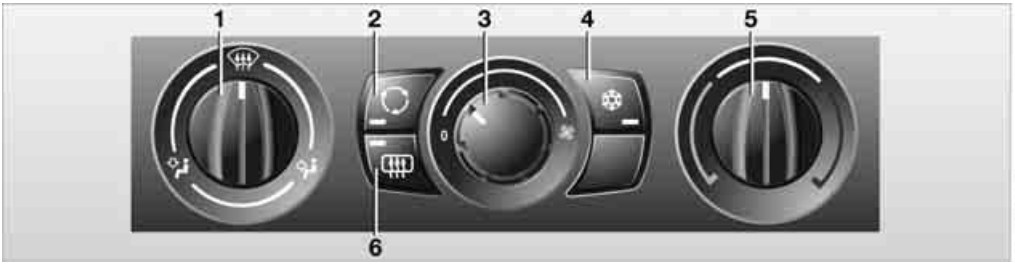
Air vents

3 Airflow directed toward the windshield and side windows

4 Air to the upper body area.
The knurled wheels open and close the air supply continuously. The levers alter the direction of the airflow. For further details of draft-free ventilation refer to page 83.

5 Air to the footwell

Air conditioner



1 Air distribution
2 Recirculated-air mode
3 Air flow rate
4 Cooling function
5 Temperature
6 Rear window defroster

Air distribution

Direct the flow of air to the windows, to the upper body area or to the footwell. Intermediate settings are possible.

Recirculated-air mode

If the air outside the car has an unpleasant odor or contains pollutants, shut off the supply to the interior of the car temporarily. The system then recirculates the air currently within the vehicle.

You can also activate/deactivate the recirculated-air mode by means of a button* on the steering wheel, refer to page 11.

If condensation starts to form on the inside window surfaces during operation in the recirculated-air mode, you should switch it off while also increasing the air flow rate as required.
The recirculated-air mode should not be used continuously for lengthy periods, otherwise the quality of the air inside the car will gradually deteriorate.◀

Air flow rate

Adjust the air flow rate. The higher the rate, the more effective the heating or cooling will be.

Switching the system on/off

Turn the air flow rate rotary switch to 0. Blower and air conditioner are completely switched off and the air supply is cut off.

To switch on the air conditioner, set the desired air flow rate.

Switching cooling function on/off

The cooling function cools and dehumidifies the incoming air before also reheating it as required, according to the temperature setting.

Depending on the weather, the windshield may fog over briefly when the engine is started.

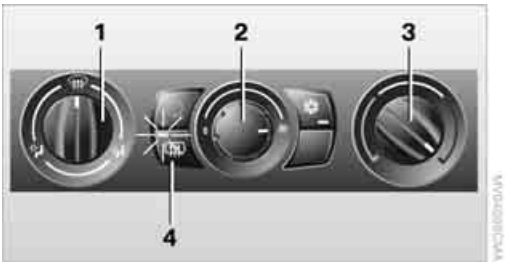
Rear window defroster

The defroster switches off automatically after a certain time.

Temperature

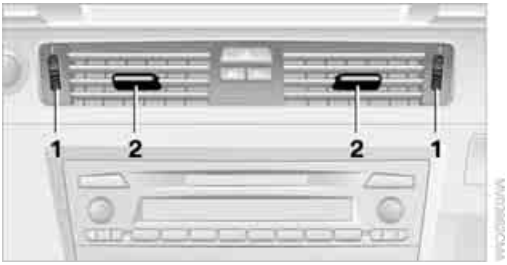
To increase the temperature, turn the rotary switch clockwise towards red.
To cool the air, turn the rotary switch counterclockwise towards blue.

Defrosting windows and removing condensation



1. Air distribution **1** in position .
2. Airflow control **2** all the way to the right.
3. Temperature **3** to the right, red.
4. Switch on rear window defroster **4** to defrost the rear window .

Ventilation



1 Use the knurled wheels to smoothly open and close the air vents

2 Use the lever to change the direction of the airflow

Ventilation for cooling

Adjust the vent outlets to direct the flow of cool air in your direction, for instance if it has become too hot in the car.

Draft-free ventilation

Set the vent outlets so that the air flows past you and not straight at you.

Microfilter

The microfilter removes dust and pollen from the incoming air. The microfilter is changed by your BMW Center during routine maintenance work. You can call up further information in the service requirements display, refer to page 61.

Automatic climate control*

1 Air distribution, manual
2 Temperature, left side of passenger compartment
3 Maximum cooling
4 AUTO program
5 Air flow rate, manual
6 AUC Automatic recirculated-air control/ Recirculated-air mode
7 Residual heat
8 Temperature, right side of passenger compartment
9 Defrosting windows and removing condensation
10 Switching cooling function on/off manually
11 Rear window defroster
12 Air grill for interior temperature sensor – please keep clear and unobstructed

Comfortable interior climate

AUTO program **4** offers the ideal air distribution and air flow rate for almost all conditions, refer to AUTO program below. All you need to do is select an interior temperature which is comfortable for you.

The following sections inform you in detail about how to adjust the settings.

Most settings are stored for the remote control currently in use, refer also to Personal Profile settings on page 19.

Switching manual air distribution on/ off

The emerging air is directed to the windows, to the upper body area or to the footwell.

You can switch the automatic air distribution back on by pressing the AUTO button.

Temperature

Set the desired temperatures individually for the driver's and front passenger's sides.

The automatic climate control achieves this temperature as quickly as possible regardless of the season, using maximum cooling or heating power if necessary, and then maintains it.

When you switch between different temperature settings in quick succession, the automatic climate control does not have enough time to achieve the set temperature.◀

Maximum cooling

At outside temperatures above 32 °F /0 °C and when the engine is running, you obtain a maximum cooling effect as soon as possible.

The automatic climate control switches to the lowest temperature and operates in recirculated-air mode. Air flows at maximum rate only from the vents for the upper body area. You

should therefore open them for maximum cooling.

AUTO program

The AUTO program adjusts the air distribution to the windshield and side windows, towards the upper body area and into the footwell for you. The air flow rate and your temperature specifications will be adapted to outside influences as a result of seasonal changes, e.g. sunlight or window condensation.

The cooling is switched on automatically with the AUTO program.

Adjusting air flow rate manually

Press the left side of the button to reduce airflow. Press the right side of the button to increase it.

You can reactivate the automatic mode for the air flow rate with the AUTO button.

Switching the system on/off

With the blower at its lowest setting, press the left side of the button to switch off the automatic climate control. All indicators go out.

Press any button except REST to reactivate the automatic climate control.

AUC Automatic recirculated-air control/Recirculated-air mode

Switch on the desired operating mode by pressing this button repeatedly:

- LEDs off: outside air flows in continuously.
- Left-hand LED on, AUC mode: a sensor detects pollutants in the outside air. If necessary, the system blocks the supply of outside air and recirculates the inside air. As soon as the concentration of pollutants in the outside air has decreased sufficiently, the system automatically switches back to outside air supply.
- Right-hand LED on, recirculated-air mode: the supply of outside air is permanently shut off. The system then recirculates the air currently within the vehicle.

If condensation starts to form on the inside window surfaces during operation in the recirculated-air mode, you should switch it off while also increasing the air flow rate as required.

The recirculated-air mode should not be used over an extended period of time, otherwise the air quality inside the car will deteriorate continuously.◀

Via the button* on the steering wheel

You can switch between operating modes via a button on the steering wheel, refer to page 11:

- When outside air is coming in, you can use the button on the steering wheel to switch between outside air and recirculated-air mode.
- When recirculated-air mode or AUC mode is switched on, you can use the button on the steering wheel to switch between recirculated-air mode and AUC mode.

Residual heat

The heat stored in the engine is used to heat the passenger compartment, e.g. while stopped at a school to pick up a child.

The function can be switched on when the following conditions are met:

- Up to 15 minutes after the engine has been switched off
- While the engine is at operating temperature
- As long as battery voltage is sufficient
- At an outside temperature below 77 °F / 25 °C

The LED is lit when the function is on.

As of radio readiness, you can set the interior temperature, the air flow rate and the air distribution.

Defrosting windows and removing condensation

Quickly removes ice and condensation from the windshield and front side windows.

Switching cooling function on/off

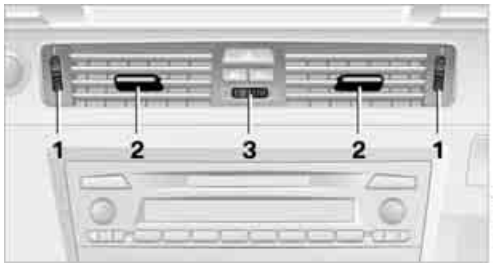
The cooling function cools and dehumidifies the incoming air before also reheating it as required, according to the temperature setting. Depending on the weather, the windshield may fog over briefly when the engine is started.

The cooling function is automatically switched on along with the AUTO program. The passenger compartment can only be cooled while the engine is running.

Rear window defroster

The defroster switches off automatically after a certain time.

Ventilation



1 Use the knurled wheels to smoothly open and close the air vents

2 Use the lever to change the direction of the airflow

3 Knurled wheel for more or less cool air from the vents for the upper body area

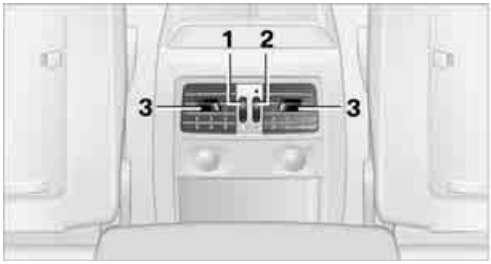
Ventilation for cooling

Adjust the vent outlets to direct the flow of cool air in your direction, for instance if it has become too hot in the car.

Draft-free ventilation

Set the vent outlets so that the air flows past you and not straight at you.

Ventilation in the rear



1 Use the knurled wheel to smoothly open and close the air vents

2 Use the knurled wheel to adjust the temperature:

- ▷ Turn toward blue: colder
- ▷ Turn toward red: warmer

3 Use the lever to change the direction of the airflow

Microfilter/activated-charcoal filter

The microfilter traps dust and pollen in the incoming air. The activated-charcoal filter provides additional protection by filtering gaseous pollutants from the outside air. Your BMW Center replaces this combined filter during routine maintenance.

You can call up further information in the service requirements display, refer to page 61.

Practical interior accessories

Integrated universal remote control*

The concept

The integrated universal remote control can replace as many as three hand-held transmitters for various remote-controlled devices, such as door openers and house alarm systems. The integrated universal remote control registers and stores signals from the original hand-held transmitters.

The signal of an original hand-held transmitter can be programmed on one of the three memory buttons **1**. After this, the programmed memory button **1** will operate the system in question. The LED **2** flashes to confirm transmission of the signal.

Should you sell your vehicle one day, be sure to delete the stored programs beforehand for your safety, refer to page 85.

To prevent possible damage or injury, before programming or using the integrated universal remote control, always inspect the immediate area to make certain that no people, animals or objects are within the pivoting or travel range of the device being operated. Comply also with the safety instructions supplied with the original hand-held transmitter.◀

Checking compatibility

If this symbol appears on the package or in the instructions supplied with the original hand-held transmitter, you can assume that the radio remote control device will be compatible with the integrated universal remote control.

For additional information, please contact your BMW Center or call: 1-800-355-3515.
You can also obtain information on the Internet at:
www.bmwusa.com or
www.homelink.com.

HomeLink is a registered trademark of Johnson Controls, Inc.◀

Programming

1 Memory buttons

2 LED

Fixed-code hand-held transmitters

1. Switch on the ignition, refer to page 42.
2. When starting operation for the first time: Press both outer memory buttons **1** for approx. 20 seconds until the LED **2** flashes. all stored programs are cleared.
3. Hold the original hand-held transmitter at a distance of approx. 2 to 8 in/5 to 20 cm from the memory buttons **1**.

   The required distance between the hand-held transmitter and the memory buttons **1** depends on the system of the respective original hand-held transmitter used.◀
4. Simultaneously press the transmit key on the original hand-held transmitter and the desired memory button **1** on the integrated universal remote control. The LED **2** flashes slowly at first. As soon as the LED **2** flashes rapidly, release both buttons. If the LED **2** does not flash rapidly after approx. 15 seconds, alter the distance.
5. To program other original hand-held transmitters, repeat steps 3 and 4.

The corresponding memory button **1** is now programmed with the signal of the original hand-held transmitter.

You can operate the system when the engine is running or when the ignition is switched on.

If the system fails to function even after repeated programming, check whether the original hand-held transmitter uses an alternating-code system. To do so, either read the instructions for the original hand-held transmitter or hold down the programmed memory button **1** of the integrated universal remote control. If the LED **2** on the integrated universal remote control flashes rapidly for a short while and then remains lit for about two seconds, the original hand-held transmitter uses an alternating-code system. If it uses an alternating-code system, program the memory buttons **1** as described under Alternating-code hand-held transmitters.◀

Alternating-code hand-held transmitters

To program the integrated universal remote control, consult the operating instructions for the device to be set. You will find information there on the possibilities for synchronization. When programming hand-held transmitters that employ an alternating code, please observe the following supplementary instructions:

Programming will be easier with the aid of a second person.◀

1. Park your vehicle within the range of the remote-controlled device.
2. Program the integrated universal remote control as described above in the section Fixed-code hand-held transmitters.
3. Locate the button on the receiver of the device to be set, e.g. on the drive unit.
4. Press the button on the receiver of the device to be set. After step 4, you have approx. 30 seconds for step 5.
5. Press the programmed memory button **1** of the integrated universal remote control three times.

The corresponding memory button **1** is now programmed with the signal of the original hand-held transmitter.

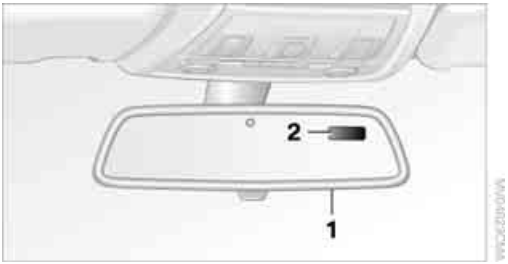
If you have any questions, please contact your BMW Center.◀

Deleting stored programs

Press both outer memory buttons **1** for approx. 20 seconds until the LED **2** flashes: all stored programs are cleared.

It is not possible to clear individual programs.

Interior rearview mirror with digital compass*



1 Adjustment button

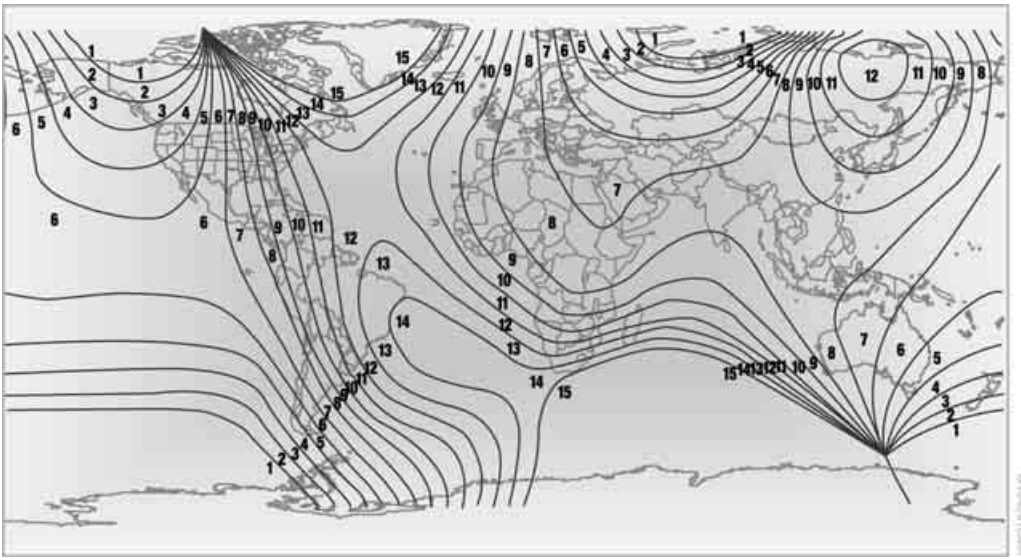
2 Display

The display shows you the main or secondary direction in which you are driving.

Setting compass zones

Depending on the vehicle's geographic location, the relevant compass zone must be set.

Refer to the world map with compass zones below.



To set a compass zone, press the adjustment button on the bottom of the interior rearview mirror with a pointed object, such as a pen, for approx. 3-4 seconds. The number of the compass zone set is shown in the display.

To change the zone setting, press the adjustment button repeatedly until the display shows the number of the compass zone in which you are currently driving:

The compass is operational again after approx. 10 seconds.

Calibrating the digital compass

The digital compass must be calibrated in the following situations:

- C or CAL is displayed.
- The compass shows the wrong cardinal direction.
- The cardinal direction shown does not change although the direction of travel does.
- Not all cardinal directions are shown.

Procedure

1. Make sure that no large metal objects or overhead power lines are in the vicinity of your vehicle and that you have enough space to drive in a circle.
2. Set the currently valid compass zone.
3. Press the adjustment button to call up C or CAL. Then drive in one full circle at a speed of no more than 4 mph or 7 km/h.
   If calibration is successful, the C or CAL display is replaced by the cardinal directions.

Roller sun blinds*

Roller sun blinds for rear side windows

Pull loop of roller sun blind and hook onto bracket.

Glove compartment

Opening

Pull the handle.
The light in the glove compartment switches on.

Closing

Fold the cover up.

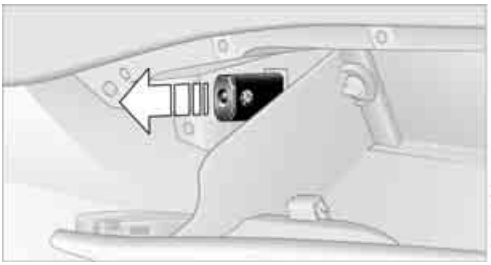
To prevent injury in the event of an accident while the vehicle is being driven, close the glove compartment immediately after use.◀

Locking

To lock the glove compartment, use the integrated key of the remote control or the spare key, refer to page 18.

Rechargeable flashlight*

It is on the left-hand side of the glove compartment. The flashlight can remain plugged in. Whenever required, pull the flashlight out of its socket.

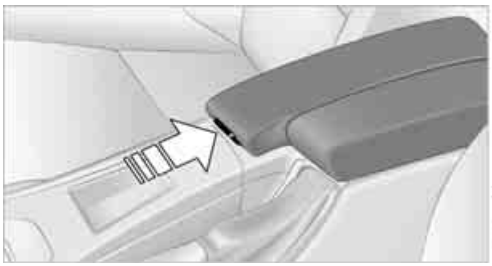


Only insert the flashlight back into the socket when it is switched off, otherwise there is a risk of damage.◀

Center armrest

Storage compartment

The center armrest between the front seats contains either a compartment or the cover for the snap-in adapter*, depending on the equipment version.



Opening

Press the button, see arrow.
The lid opens.

Ventilated storage compartment

The storage compartment in the center armrest can be ventilated: slide the switch backwards.

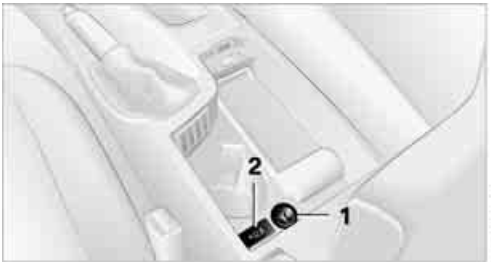
The temperature is controlled via the knurled wheel for adjusting the temperature of air ventilating the rear of the passenger compartment, refer to page 83.

Connection for external audio device

You can connect an external audio device such as a CD or MP3 player and play audio tracks over the car's loudspeaker system. You can set the volume and tone by means of the car radio, refer to the separate Owner's Manual for Radio.

Connecting

Lift up the center armrest.



1 Power supply for your external audio device:
Socket with removable cap

2 Connection for audio playback:
3.5 mm cinch connector

To play audio tracks through the car's loudspeaker system, connect the headset or line-out port of the external device to connection **2**.

Storage compartments inside the vehicle

Depending on your vehicle's equipment, you will find compartments beside the steering column*, in the front doors and in the center console*.
There are nets* on the front-seat backrests.

Clothes hooks

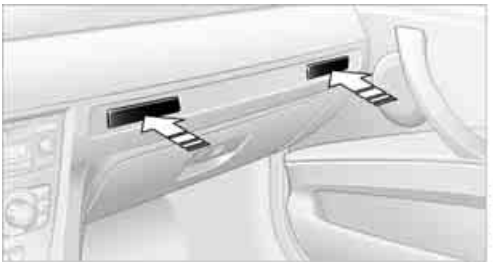
There are clothes hooks on the grab handles in the rear passenger compartment.

Items of clothing hung from the hooks must not obstruct the driver's view. Do not hang heavy objects from the hooks, otherwise they could endanger the car's occupants, e.g. in case of heavy braking or sudden swerving.◀

Cup holders

Do not place glassware in a cup holder; otherwise there is an increased risk of injury in the event of an accident.◀

Front



Opening

Briefly press the center of the cover.

Closing

Briefly press the cover in the center and push in the cup holder.

Rear

There are two additional cup holders in the rear center armrest.

Ashtray, front

Opening

Push the ridge on the cover.

Emptying

Lift out the insert.

Lighter

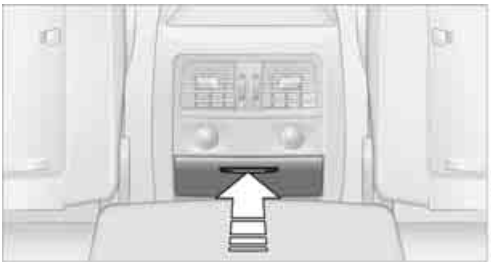
With the engine running or the ignition switched on, press in the cigarette lighter.

The lighter can be removed as soon as it pops back out.

Hold or touch the hot cigarette lighter by the knob only. Holding or touching it in other areas could result in burns.
When leaving the car, always remove the remote control so that children cannot operate the cigarette lighter and possibly burn themselves.◀

Ashtray, rear

Opening



Push the ridge on the cover.

Emptying

Lift out the insert.

Connecting electrical appliances

In your BMW, you can use electrical devices such as a flashlight, car vacuum cleaner, etc., up to approx. 200 watts at 12 volts, as long as one of the following sockets is available. Avoid damaging the sockets by attempting to insert plugs of unsuitable shape or size.

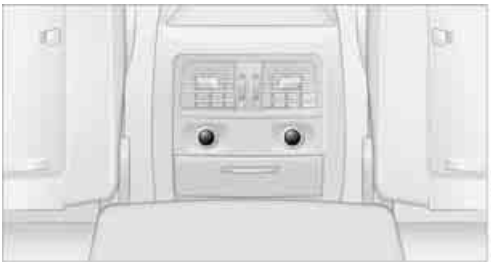
Cigarette lighter socket*

Pull the cigarette lighter out of the socket, refer to page 89.

Socket in the center armrest

External audio device, refer to page 87.

Sockets in the rear center console*



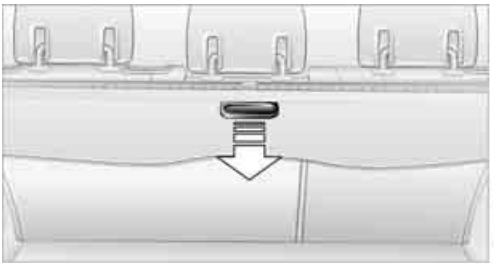
Remove corresponding cover.

Socket in the cargo area

Open the cap.

Cargo area

Cargo area cover



Pull out the cover and hook it into the retaining fixtures.

Do not place objects on the cover, otherwise they could endanger the car's occupants, e.g. in the case of braking or sudden swerving.
Do not let the cover retract, otherwise it could be damaged.◀

The cargo area cover is raised when the rear window or tailgate is opened*.
Before closing the rear window or tailgate, press the cover downward until it engages.◀

Expanding the cargo area

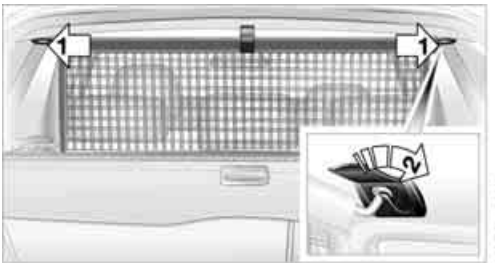
The rear seat back is divided. You can fold down both sides separately in order to expand the cargo area.

Reach into the recess and pull forwards.

When folding the rear seat back up, make sure that the catch engages properly. If you cannot see a red warning area in the recess, the catch is properly engaged. Otherwise, cargo can be thrown around inside the passenger compartment and endanger the car's occupants, e.g. in the case of braking or sudden swerving.◀

Observe the instructions concerning the safety belt on page 31 to ensure the best possible personal protection.◀

Cargo area net



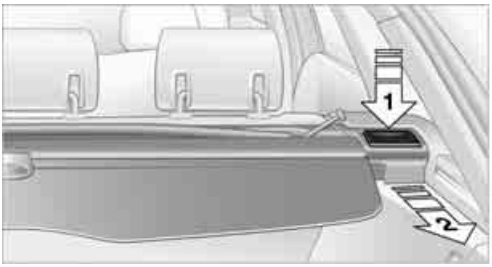
Do not let the cargo area net retract, otherwise there is a risk of danger and the cargo area net could be damaged.◀

Use the loop strap to pull the cargo area net out of the casing. Grip the bar on both ends and insert it into the retaining fixtures, arrow **1**. This can best be done from the rear seat.

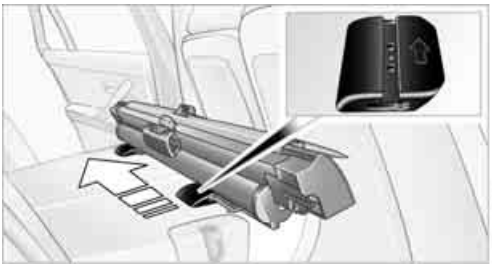
When you no longer require the cargo area net, grip both ends of the bar and take it out of the retaining fixtures, arrow **2**. Let the cargo area net slide into the casing slowly.

With an expanded cargo area

1. Fold down both rear seat backs, refer to Expanding the cargo area.
2. Use the buttons to unlatch the casing on both sides, arrow **1**.



3. Pull the casing out backwards, arrow **2**, without tilting it.



4. Slide the casing into the guides on the backs of the seat backrests.
5. Carefully pull out the cargo area net and insert it into the front retaining fixtures, refer to Cargo area net above. This can best be done from the front seat.

Follow the same steps in reverse order to return the cargo area net and seats to their original positions. Finally, slide the casing into both retaining fixtures on the sides until it engages. Tug on the casing to check if it is properly locked in place.

Storage compartments in the cargo area

The following storage spaces can be found in the cargo area:

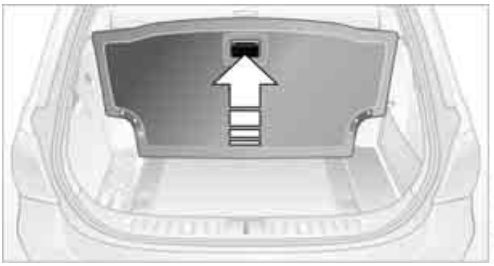
- Umbrella holder on the bottom of the cargo area net casing

- Rubber strap on the left and right trim panel for securing small objects such as a folding umbrella
- Hooks for hanging up shopping bags or tote bags, for example, on the left and right-hand sides of the cargo area
- Net for small objects on the right trim panel of the cargo area
- Storage compartment under the floor panel

Depending on your vehicle's equipment, the following additional storage spaces can be found in the cargo area:

- Net* for securing smaller objects, to be attached to the fixtures on the floor panel
- Net* on the left side trim of the cargo area instead of the rubber strap
- Reversible cargo area floor panel with integrated plastic cover* for cargo area or bumper
- Folding, removable box* under the floor panel, e.g. for wet or dirty items
- Insertable dividers* and removable storage tray for the storage compartment under the floor panel

Folding up the cargo area floor panel



Fold up the cargo area floor panel and take it out or lean it forward.

Do not exceed the maximum permissible load of 55 lbs/25 kg for the storage compartment under the floor panel, otherwise damage could result.◀

Lashing eyes

You will find lashing eyes in the cargo area for securing luggage items with nets or tensioning straps, refer to page 99.

Ski bag*

Designed for safe, clean transport of up to 4 pairs of standard skis or up to 2 snowboards.

With the ski bag you can stow skis with a length of up to 6 ft 10 in/2.10 m. When skis of 6 ft 10 in/2.10 m length are loaded, the overall capacity of the ski bag is reduced due to its tapered design.

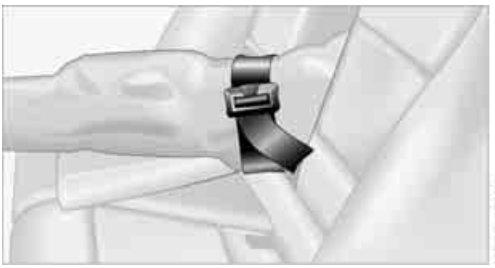
Loading

1. Fold down the center armrest.
2. Press the button, reach into the recess and fold down the cover.

3. Open the Velcro fastener, spread the ski bag between the front seats and insert the skis or snowboards.
   The zip fastener makes objects in the ski bag easier to reach.
4. Insert the latch plate of the ski bag's retaining strap in the center belt buckle.

Make sure to load only clean skis into the ski bag. Wrap sharp edges to prevent damage.

Securing cargo



After loading, secure the ski bag and its contents. Tighten the retaining strap on the tensioning buckle for this purpose.

Secure the ski bag in the manner described, otherwise it could endanger the car's occupants, e.g. in case of heavy braking or sudden swerving.◀

To store the ski bag, perform the steps described for loading in reverse order.

Removing the ski bag

The ski bag can be completely removed, e.g. for faster drying or to allow you to use other inserts.

1. Fold down the center panel in the rear seat backrest.
2. Pull the handle, arrow **1**.

3. Pull out the insert, arrow **2**.

For more information on the various inserts available, contact your BMW Center.◀

Driving tips

This section provides you with information useful in dealing with specific driving and operating conditions.

Things to remember when driving

Break-in period

Moving parts need breaking-in time to adjust to each other. Please follow the instructions below in order to achieve the optimal service life and economy of operation for your vehicle.

Engine and differential

Always obey all official speed limits.

Up to 1,200 miles/2,000 km

Attempt to vary both engine and vehicle speeds, but refrain from exceeding an engine speed of 4,500 rpm or a driving speed of 100 mph or 160 km/h.

Avoid full-throttle operation and use of the transmission's kick-down mode.

After 1,200 miles/2,000 km

Engine and vehicle speeds can be gradually increased.

Tires

Due to technical factors associated with their manufacture, tires do not achieve their full traction potential until after an initial break-in period. Therefore, drive cautiously during the first 200 miles/300 km.

Brake system

Brakes require an initial break-in period of approx. 300 miles/500 km to achieve optimized contact and wear patterns between brake pads and rotors. Drive cautiously during this break-in period.

Clutch

The function of the clutch reaches its optimal level only after a distance driven of approx. 300 miles/500 km. During this break-in period, engage the clutch gently.

Following part replacement

The same break-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.

General driving notes

Close the tailgate

Operate the vehicle only when the tailgate and rear window are closed. Otherwise, exhaust fumes could enter the interior of the vehicle.◀

If special circumstances make it absolutely necessary to drive with the tailgate or rear window open:

1. Close all windows and the glass sunroof.
2. Increase the air flow rate of the air conditioner or automatic climate control considerably, refer to page 79 or 82.

Hot exhaust system

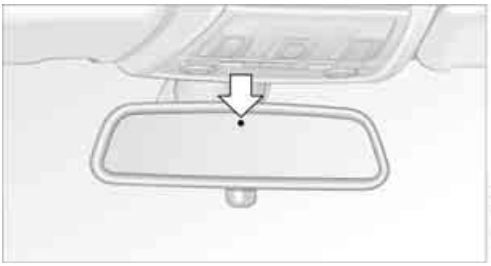
In all vehicles, extremely high temperatures are generated in the exhaust system. Do not remove the heat shields installed adjacent to various sections of the exhaust system, and never apply undercoating to them. When driving, standing at idle and while parking, take care to avoid possible contact between the hot exhaust system and any highly flammable materials such as hay, leaves, grass, etc. Such contact could lead to a fire, with the risk of serious personal injuries and property damage.◀

Mobile phone in the vehicle

BMW discourages the use of mobile communications devices, e.g. mobile phones, inside the vehicle without a direct connection to an outside antenna. Otherwise, the vehicle electronics and mobile communication device can influence one another. In addition,

there is no assurance that the radiation which results from transmission will be dissipated from the vehicle interior.◀

Interior and exterior mirrors, automatic dimming feature*



The automatic dimming feature of the interior and exterior mirrors* is controlled by two photo cells in the interior rearview mirror. One photo cell is in the mirror frame, see arrow; the other is on the back of the mirror.

In order to ensure that the system functions correctly, keep the photo cells clean, do not cover the area between the interior rearview mirror and windshield, and do not affix adhesive labels or stickers of any kind to the windshield directly in front of the mirror.

Hydroplaning

When driving on wet or slushy roads, reduce road speed. If you do not, a wedge of water can form between tires and road surface. This situation, known as hydroplaning, means that the tire can completely lose contact with the road surface, so that neither the car can be steered nor the brake be properly applied.◀

The risk of hydroplaning increases with declining tread depth on the tires, refer also to Minimum tread depth on page 109.

Driving through water

Drive through water on the road only if it is not deeper than 1 ft/30 cm, and then only at walking speed at the most. Otherwise, the vehicle's engine, the electrical systems and the transmission may be damaged.◀

Use the handbrake on inclines

On inclines, do not hold the vehicle with the clutch; use the handbrake. Otherwise greater clutch wear will result.◀

Also use the drive-off assistant, refer to page 69.

Braking safely

Your BMW is equipped with ABS as a standard feature. Applying the brakes fully is the most effective way of braking in situations in which this is necessary. Since the vehicle maintains steering responsiveness, you can still avoid possible obstacles with a minimum of steering effort.

Pulsation of the brake pedal, combined with sounds from the hydraulic circuits, indicate that ABS is in its active mode.

Driving in wet conditions

When roads are wet or there is heavy rain, briefly exert gentle pressure on the brake pedal every few miles. Monitor traffic conditions to ensure that this maneuver does not endanger other road users. The heat generated in this process helps dry the pads and rotors to ensure that full braking efficiency will then be available when you need it.

Hills

To prevent overheating and the resulting reduced efficiency of the brake system, drive long or steep downhill gradients in the gear in which the least braking is required. Even light but consistent brake pressure can lead to high temperatures, brake wear and possibly even brake failure.◀

You can increase the engine's braking effect by shifting down, all the way to first gear if necessary. This strategy helps you avoid placing excessive loads on the brake system. Downshifting in manual mode of the automatic transmission, refer to page 45.

Never drive with the clutch held down, with the transmission in idle or with the engine switched off; otherwise, engine braking action will not be present or there will be no

power assistance to the brakes or steering. Never allow floor mats, carpets or any other objects to protrude into the area around the pedals, otherwise pedal function could be impaired.◀

Corrosion on brake rotors

When the vehicle is driven only occasionally, during extended periods when the vehicle is not used at all, and in operating conditions where brake applications are less frequent, there is an increased tendency for corrosion to form on rotors, while contaminants accumulate on the brake pads. This occurs because the minimum pressure which must be exerted by the pads during brake applications to clean the rotors is not reached.

Should corrosion form on the brake rotors, the brakes will tend to respond with a pulsating effect that even extended application will fail to cure.

When the vehicle is parked

Condensation forms while the automatic climate control is in operation, and then exits under the vehicle. Traces of condensed water under the vehicle are therefore normal.

Before driving into a car wash

For general information about taking care of your BMW, refer to the Caring for your vehicle brochure.

With convenient access and automatic transmission

Insert the remote control into the ignition switch.
The engine can be switched off when the selector lever is in position N. Refer also to page 27.

Cargo loading

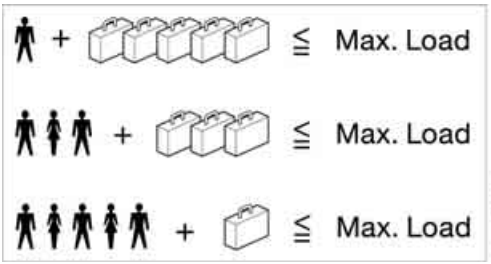
To avoid loading the tires beyond their approved carrying capacity, never overload the vehicle. Overloading can lead to overheating and increases the rate at which damage develops inside the tires. The ultimate result can assume the form of a sudden blow-out.◀

Determining loading limit

1. Locate the following statement on your vehicle's placard*:

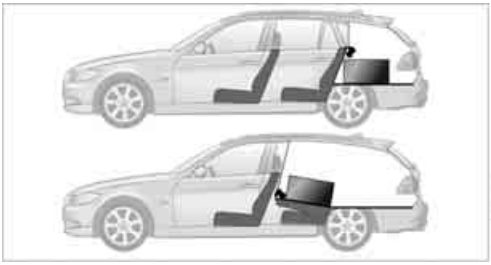
   The combined weight of occupants and cargo should never exceed XXX kg or YYY lbs. Otherwise, overloading can result in damage to the vehicle and unstable driving conditions.◀
2. Determine the combined weight of the driver and passengers that will be riding in your vehicle.
3. Subtract the combined weight of the driver and passengers from XXX kilograms or YYY pounds.
4. The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the YYY amount equals 1,400 lbs. and there will be five 150 lbs. passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs.:
   1,400 lbs. minus 750 lbs. = 650 lbs.
5. Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in step 4.
6. If your vehicle will be towing a trailer, part of the load from your trailer will be transferred to your vehicle. Consult the manual for transporting a trailer to determine how this may reduce the available cargo and luggage load capacity of your vehicle.

Load



The permissible load is the total of the weight of occupants and cargo/luggage. The greater the weight of the occupants, the less cargo/luggage can be transported.

Stowing cargo



- For the safety of the passengers, install the cargo area net, refer to page 90.
- Position heavy objects as low and as far forward as possible, ideally directly behind the respective seat backs.
- Cover sharp edges and corners.
- For very heavy cargo when the rear seat is not occupied, secure each safety belt in the opposite buckle.

Securing cargo

- Smaller and relatively light items can be retained with tensioning straps or draw straps*.
- Heavy-duty cargo straps* for securing larger and heavier objects are available at your BMW Center. Four lashing eyes are provided for attaching the cargo straps. Two are located on the side walls of the cargo area, arrows **1**, and two others are on the inside rear wall of the cargo area, arrows **2**.
  Comply with the information provided with the cargo straps.

Always position and secure the cargo as described above, so that it cannot endanger the car's occupants, for example if sudden braking or swerves are necessary.
Never exceed either the approved gross vehicle weight or either of the approved axle loads, refer to page 144, as excessive loads can pose a safety hazard, and may also place you in violation of traffic safety laws.
Heavy or hard objects should not be carried loose inside the car, since they could be thrown around, for example as a result of heavy braking, sudden swerves, etc., and endanger the occupants.◀

Roof-mounted luggage rack*

A special rack system is available as an option for your BMW. Comply with the precautions included with the installation instructions.

Mounting points

The mounting points are located in the roof or along the roof rails*.

Loading roof-mounted luggage rack

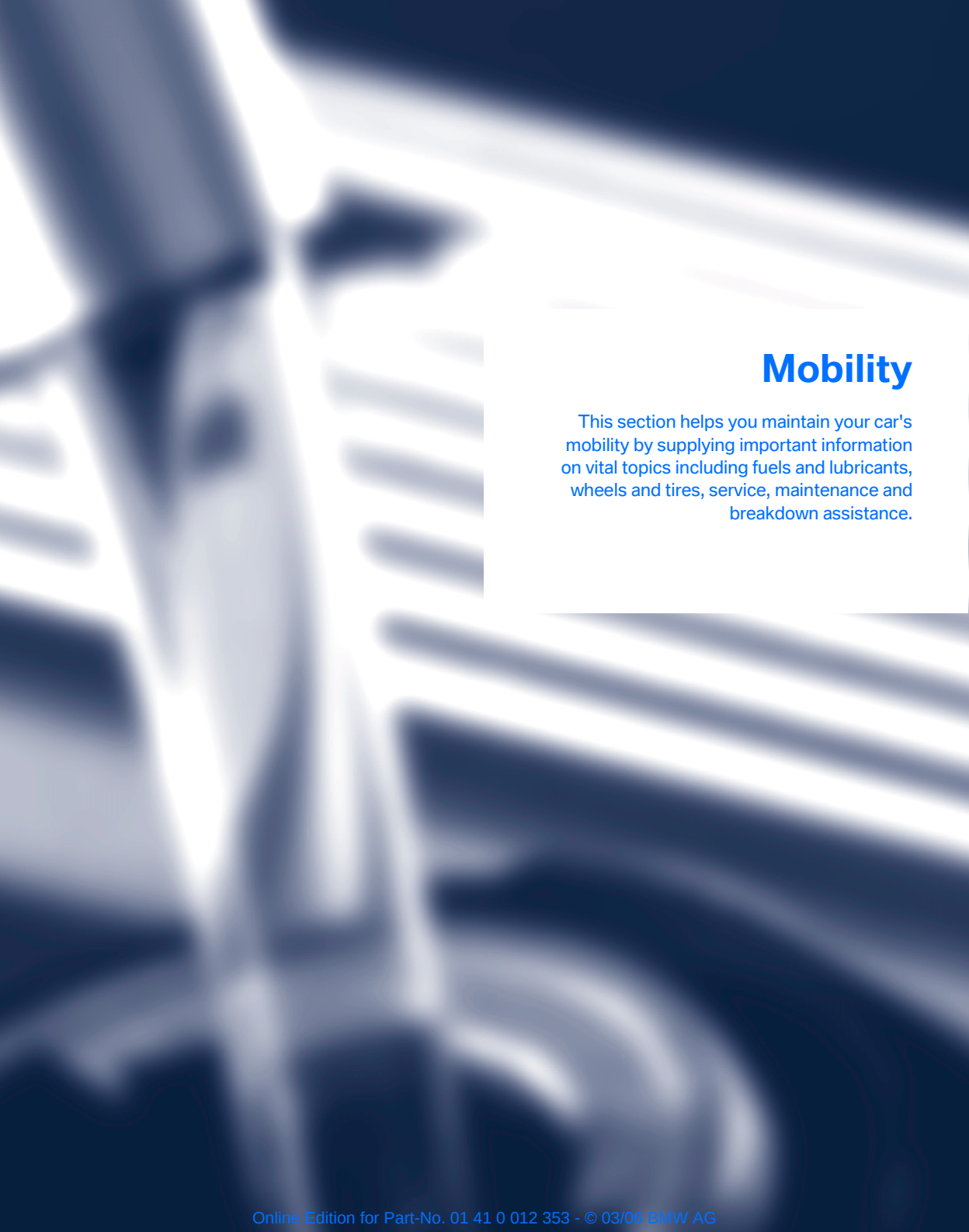
Because roof racks raise the vehicle's center of gravity when loaded, they have a major effect on vehicle handling and steering response.
You should therefore always remember not to exceed the approved roof load capacity, the approved gross vehicle weight or the axle loads when loading the rack.

You can find the specified weights on page 144.

The roof load must be uniformly distributed and should not be too large in area. Heavy items should always be placed at the bottom. Be sure that adequate clearance is maintained for raising the glass sunroof, and that objects do not project into the opening path of the tailgate.

Secure roof-mounted cargo correctly and securely to prevent it from shifting or falling off during the trip.

Drive smoothly. Avoid sudden acceleration and braking maneuvers. Take corners gently.



Mobility

This section helps you maintain your car's mobility by supplying important information on vital topics including fuels and lubricants, wheels and tires, service, maintenance and breakdown assistance.

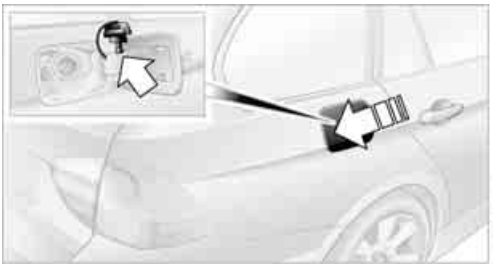
Refueling

Always switch off the engine before refueling, otherwise, fuel cannot be added to the tank and a message will be displayed.◀

Take all precautionary measures and observe all applicable regulations when handling fuel. Do not carry any spare fuel containers in your vehicle. They can develop a leak and cause an explosion or cause a fire in the event of an accident.◀

Gas cap

Opening



1. Open fuel filler door. To do so, lightly press the rear edge.
2. Turn the gas cap counterclockwise.
3. Place the gas cap in the bracket attached to the fuel filler door.

Closing

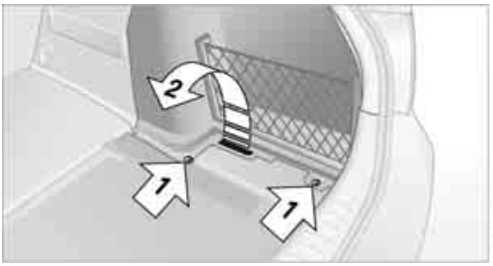
Fit the cap and turn it clockwise until you clearly hear a click.

Do not jam the strap attached to the gas cap between the gas cap and the vehicle. A message will be displayed if the gas cap is loose or missing.◀

Manually releasing the fuel filler door

In the event of an electrical malfunction, you can release the fuel filler door manually:

1. Fold up the cargo area floor panel.
2. Remove the cover from the right-hand side panel of the cargo area. To do so, turn the screws, arrows **1**, 90° and take out the cover, arrow **2**.



3. Pull the knob with the fuel pump symbol. The fuel filler door is released.

Observe the following when refueling

When handling fuels always observe any safety guidelines posted at the service station.◀

When refueling, insert the filler nozzle completely into the filler pipe. Lifting the filler nozzle during refueling leads to

- premature pump shutoff
- a reduced efficiency of the fuel-vapor recovery system.

The fuel tank is full when the filler nozzle clicks off the first time.

Fuel tank capacity

Approx. 16.1 US gallons/61 liters, including the reserve capacity of 2.1 US gallons/8 liters.

Refuel as soon as possible once your cruising range falls below 30 miles/ 50 km, otherwise engine functions are not ensured and damage can occur.◀

Fuel specifications

Do not fill the tank with leaded fuel, as this would cause permanent damage to the catalytic converter.◀

Required fuel

Premium Unleaded Gasoline

The minimum octane rating is 91.
If you use gasoline with this minimum octane rating, the engine may produce knocking sounds when starting at high outside temperatures. This has no affect on the engine life.

Minimum octane rating corresponds to the Anti Knock Index AKI and is determined according to the so-called (R+M)/2 method.

Do not fill the tank with leaded fuel, as this would cause permanent damage to the catalytic converter.◀

Use high-quality brands

Field experience has indicated significant differences in fuel quality: volatility, composition, additives, etc., among gasolines offered for sale in the United States and Canada. Fuels containing up to and including 10% ethanol or other oxygenates with up to 2.8% oxygen by weight, that is, 15% MTBE or 3% methanol plus an equivalent amount of co-solvent, will not void the applicable warranties with respect to defects in materials or workmanship.

The use of poor-quality fuels may result in drivability, starting and stalling problems especially under certain environmental conditions such as high ambient temperature and high altitude.
Should you encounter drivability problems which you suspect could be related to the fuel you are using, we recommend that you respond by switching to a recognized high-quality brand.
Failure to comply with these recommendations may also result in unscheduled maintenance.◀

Wheels and tires

Tire inflation pressures

Information for your safety

It is not merely the tires' service life, but also driving comfort and, to a great extent, driving safety that depend on the condition of the tires and the maintenance of the specified tire pressure.

Check the tire inflation pressure regularly and correct it, if necessary: at least twice a month and before starting long trips. If you fail to observe this precaution you may be driving on tires with incorrect tire pressures, a condition that can not only compromise your vehicle's driving stability, but also lead to tire damage and the risk of an accident. Do not drive with deflated, i.e. flat tires, except when using Run-Flat Tires. A flat tire will seriously impair your vehicle's handling and braking response. Attempts to drive on a flat tire can lead to loss of control over the vehicle.◀

Checking pressure

Only check tire inflation pressure when the tires are cold. This means after a maximum of 1.25 miles/2 km driving or when the vehicle has been parked for at least 2 hours. When tires are warm, the tire inflation pressure is higher.

After correcting tire inflation pressures, always reinitialize the Flat Tire Monitor, refer to page 69.◀

Inflation pressure specifications

The tables below provide all the correct inflation pressures for the specified tire sizes at ambient temperature.

The inflation pressures apply to the tire sizes approved and tire brands recommended by BMW; a list of these is available from your BMW Center.◀

For correct identification of the right tire inflation pressures, observe the following:

- Tire sizes for your vehicle
- Load conditions
- Maximum allowable driving speed

Tire inflation pressures for driving up to 100 mph or 160 km/h

For normal driving up to 100 mph or 160 km/h and to achieve optimum driving comfort, adjust pressures to the respective tire inflation pressures listed on the following pages in the columns for traveling speeds up to a maximum of 100 mph or 160 km/h.

These tire inflation pressures can also be found on the driver's-side door post when the driver's door is open.

The maximum permissible speed for these tire pressures is 100 mph or 160 km/h. Do not exceed this speed, otherwise tire damage and accidents could occur.◀

Tire inflation pressures for driving above 100 mph or 160 km/h

In order to drive at maximum speeds in excess of 100 mph or 160 km/h, adjust pressures to the respective tire inflation pressures listed on the following pages in the columns for traveling speeds including those exceeding 100 mph or 160 km/h. Otherwise tire damage and accidents could occur.◀

Observe all national and local maximum speed limits, otherwise violations of the laws could occur.

Tire inflation pressures for the 325xi

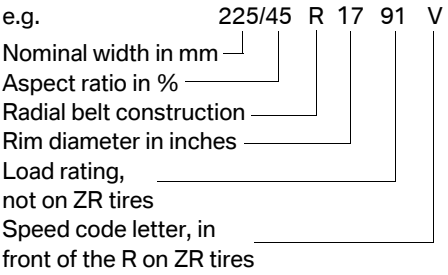
Tire size	Pressure specifications in psi/kPa					
	Traveling speeds up to a max. of 100 mph / 160 km/h		Traveling speeds including those exceeding 100 mph / 160 km/h			
All pressure specifications in the table are indicated in psi/kilopascal with cold tires. Cold = ambient temperature						
without Sports package:						
205/55 R 16 91 H M+S 225/45 R 17 91 H M+S 225/50 R 16 92 H M+S 225/45 R 17 94 V M+S XL	32/220	39/270	32/220	38/260	36/250	44/300
Front: 225/45 R 17 91 V	32/220	-	32/220	-	36/250	-
Rear: 255/40 R 17 94 V	-	35/240	-	32/220	-	39/270
Front: 225/35 R 19 88 Y XL	39/270	-	35/240	-	39/270	
Rear: 255/30 R 19 91 Y XL	-	44/300	-	38/260	-	44/300
with Sports package:						
205/55 R 16 91 H M+S 225/45 R 17 91 H M+S 225/50 R 16 92 H M+S	32/220	39/270	32/220	38/260	36/250	44/300
225/45 R 17 94 V M+S XL	32/220	39/270	35/240	42/290	42/290	49/340
Front: 225/45 R 17 91 V	32/220	-	33/230	-	38/260	-
Rear: 255/40 R 17 94 V	-	35/240	-	36/250	-	44/300
Front: 225/35 R 19 88 Y XL	39/270	-	38/260	-	42/290	
Rear: 255/30 R 19 91 Y XL	-	44/300	-	41/280	-	46/320

More details on the permissible load and weights can be found on page 144.

Tire identification marks

Knowledge of the labeling on the side of the tire makes it easier to identify and choose the right tires.

Tire size



Speed code letter

Q = up to 100 mph or 160 km/h

T = up to 118 mph or 190 km/h

H = up to 131 mph or 210 km/h

V = up to 150 mph or 240 km/h

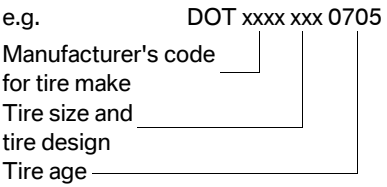
W = up to 167 mph or 270 km/h

Y = up to 186 mph or 300 km/h

Tire Identification Number

Tires with DOT codes meet the guidelines of the US Department of Transport.

DOT code:



Tire age

The manufacturing date of tires is contained in the tire coding: DOT ... 0705 means that the tire was manufactured in week 7 of 2005.

BMW recommends that you replace all tires after 6 years at most, even if some tires may last for 10 years.

Uniform Tire Quality Grading

Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width. For example:

Tread wear 200 Traction AA
Temperature A

DOT Quality Grades

Tread wear
Traction AA A B C
Temperature A B C

All passenger car tires must conform to Federal Safety Requirements in addition to these grades.◀

Tread wear

The tread wear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1 ½) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction

The traction grades, from highest to lowest, are AA, A, B, and C.
Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.◀

Temperature

The temperature grades are A, the highest, B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.◀

RSC – Run-Flat Tires

You will recognize Run-Flat Tires by a circular symbol containing the letters RSC on the side of the tire, refer to page 110.

M+S

Winter and all-season tires.
These have better winter properties than summer tires.

XL

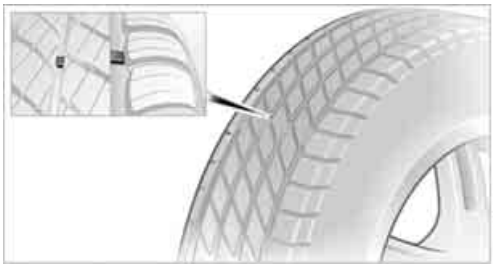
Designation for specially reinforced tires.

Tire condition

Inspect your tires frequently for tread wear, signs of damage and for foreign objects lodged in the tread. Check the tread depth.

Minimum tread depth

The tread depth should not drop below 1/8 in/ 3 mm, although, for example, European legislation only specifies a minimum tread depth of 1/16 in/1.6 mm. At tread depths below 1/8 in/ 3 mm there is an increased risk of high-speed hydroplaning, even when only small amounts of water are present on the road surface.
When winter tires wear down past a tread depth of 1/6 in/4 mm, they become perceptibly less suitable for winter conditions. In the interest of safety, new tires should be installed.



Wear indicators in the base of the tread groove are distributed around the tire's circumference; the letters TWI, for Tread Wear Indicator, on the tire's sidewalls identify tires that incorporate these wear indicators. Once the tire tread has worn down to the wear indicators, the tire has worn to a depth of 1/16 in/1.6 mm.

Wheel/tire damage

Please note that low-profile tires cause wheels, tires and suspension parts to be more susceptible to road hazard and consequential damages.
Unusual vibrations encountered during normal vehicle operation can indicate tire failure or some other vehicle defect. This can, for example, be caused by driving over curbs. The same applies to any other abnormal road behavior, such as pulling severely to the right or left.

In these cases, reduce speed immediately and have wheels and tires thoroughly checked. To do so, drive carefully to the nearest BMW Center or tire shop that works according to BMW repair procedures with correspondingly trained personnel. If necessary, have the vehicle towed there.
Tire damage can be extremely dangerous for vehicle occupants and other road users.◀

Tire age

For various reasons, such as the development of brittleness, BMW recommends tire replacement after no more than 6 years, regardless of the actual wear of the tires.

The manufacturing date of tires is contained in the tire coding:
DOT ... 0705 means that the tire was manufactured in week 07 of 2005.

Run-Flat Tires

The symbol identifying Run-Flat Tires is a circle with the letters RSC on the sidewall.
Run-Flat Tires comprise a conditionally self-supporting tire and a special rim. The reinforcement in the sidewalls ensures that the tire can continue to be used subject to certain restrictions, even if depressurized.

For information on continuing to drive with a flat tire, refer to Indication of a flat tire, page 70.

New wheels and tires

Have new wheels and tires installed only by your BMW Center or tire shop that works according to BMW repair procedures with correspondingly trained personnel. If this work is not carried out properly, there is a danger of subsequent damage and related safety hazards. Make sure that the new wheels are balanced.◀

Retreaded tires

BMW recommends that you do not use retreaded tires, since driving safety may be impaired. The causes for this include potentially different tire casing structures and often wide variations in tire age, which can result in a limited service life.◀

Correct wheels and tires

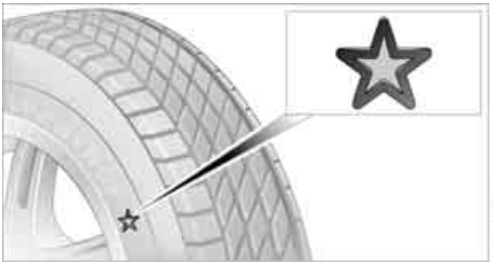
BMW recommends that you use only wheel and tire combinations that BMW has tested and approved for your particular vehicle. Variations in factors such as manufacturing tolerances mean that even wheels and tires with identical official size ratings could actually have different dimensions, which could lead to body contact and thus to severe accidents. If non-approved wheels and tires are used, BMW cannot evaluate their suitability, and therefore cannot guarantee their driving safety.◀

You can inquire about the right wheel/tire combination at your BMW Center.

The correct combination of wheels and tires is also necessary to ensure reliable operation of various vehicle systems such as ABS and DSC.

To maintain good handling and vehicle response, use only tires of a single brand and tread configuration. After a tire has been damaged, mount the previous wheel and tire combination again as soon as possible.

Recommended tire brands



Certain makes of tire are recommended by BMW for each tire size. They are marked with a clearly visible BMW designation on the sidewall of the tire.

When properly used, these tires meet the highest standards in terms of safety and handling characteristics.

Run-Flat Tires

When mounting new tires or changing over from summer to winter tires and vice versa, mount Run-Flat Tires for your own safety. In the event of a flat, moreover, no spare wheel is available. Your BMW Center will be glad to advise you.

For safety reasons, BMW recommends that damaged Run-Flat Tires be replaced rather than repaired.◀

Special characteristics of winter tires

BMW recommends winter tires for use in cold winter driving conditions. Although all-season M+S tires provide better winter traction than summer tires, they generally fail to provide the same levels of cold-weather performance as winter tires.

Pay attention to speed

Always comply with the speed limit for the winter tires mounted on your car; failure to do so could result in tire damage and accidents.◀

If the car is capable of speeds higher than that permitted for the winter tires, a label stating the maximum permitted speed for the mounted tires must be displayed in your field of view. Specialist tire dealers and your BMW Center can supply these labels.

Storage

Always store wheels and tires in a cool, dry place with as little exposure to light as possible. Always protect tires against all contact with oil, grease and fuels. Do not exceed the maximum tire inflation pressure indicated on the sidewall of the tire.

Snow chains*

Only certain fine-link snow chains have been tested by BMW, classified as safe for use and recommended. Consult your BMW Center for more information. Attach snow chains in pairs and only to the rear wheels. Observe the manufacturer's instructions when mounting snow chains. Do not exceed a speed of 30 mph or 50 km/h.

You are not permitted to mount snow chains to tires of the following sizes:

- 255/40 R 17
- 255/35 R 18
- 255/30 R 19

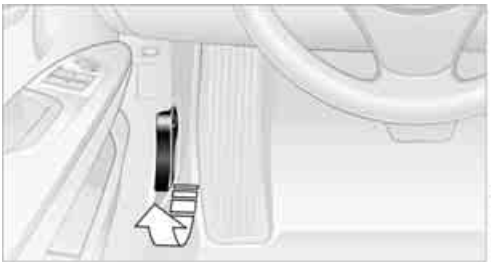
Do not initialize the Flat Tire Monitor if snow chains are mounted, otherwise the instrument might issue an incorrect reading. When driving with snow chains, you may find it helpful to activate DTC temporarily, refer to page 66.◀

Under the hood

Do not work on the car unless you possess the necessary technical knowledge. If you are unfamiliar with the statutory guidelines, have any work on the vehicle performed only by a BMW Center or by a workshop that work according to BMW repair procedures with correspondingly trained personnel. If this work is not carried out properly, there is a danger of subsequent damage and related safety hazards.◀

Hood

Releasing



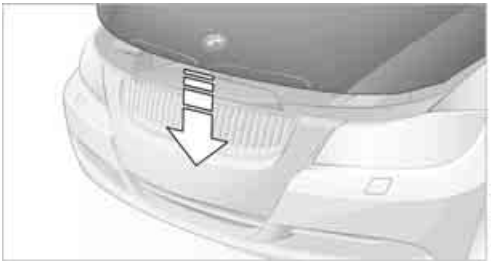
Pull the lever.

Opening

In order to avoid damage, make sure that the wiper arms are against the windshield before you open the hood.◀

Press the release handle and open the hood.

Closing

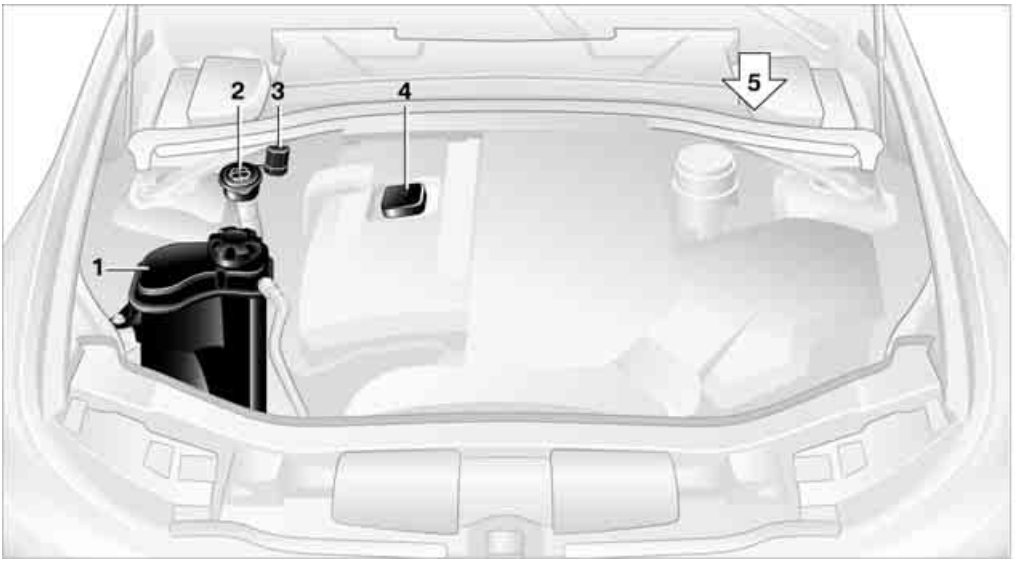


Close the hood from a height of approx. 16 in/ 40 cm with momentum. It must be clearly heard to engage.

Make sure that the closing path of the hood is clear, otherwise injuries may result.

If you see any signs while driving your vehicle that the hood is not completely closed, stop at once and close it securely.◀

Important parts of the engine compartment



1 Expansion tank for coolant, refer to page 115

2 Washer fluid reservoir for headlamp cleaning system and window washer system, refer to page 48

3 Jump-starting connection, refer to page 126

4 Filler neck for engine oil, refer to Adding engine oil

5 Reservoir for brake fluid, under the cover of the microfilter

Engine oil

The engine oil consumption is dependent on driving style and driving conditions.

Checking oil level

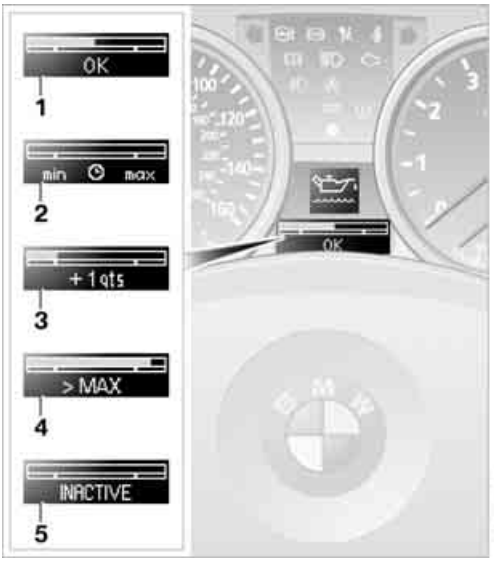
Your car is equipped with an electronic oil-level monitor.

For a precise measurement and display of the oil level, it is necessary that the engine be at operating temperature, e.g. after uninterrupted driving for at least approx. 6.5 miles/10 km. You can have the oil level displayed while you are driving, or while the vehicle is at a standstill on a level surface and the engine is running.

You can have the oil level reading displayed in the instrument cluster.

1. Lightly push button **1** in the turn indicator stalk up or down repeatedly until the appropriate symbol is shown in the display, accompanied by the word "OIL".
2. Press button **2** in the turn indicator stalk. The oil level is checked and the reading displayed.

Possible displays



1 Oil level OK

2 Oil level is being checked.
This can take about 3 minutes if the car is at a standstill on a level surface, or about 5 minutes while the car is on the move.

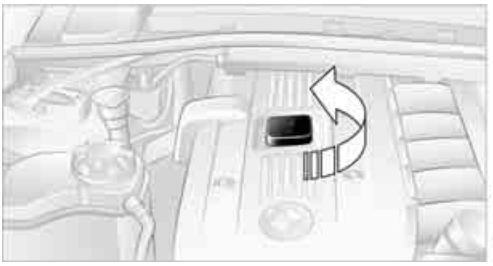
3 Oil level down to minimum:
Add 1 US quart/1 liter of engine oil as soon as possible, refer also to Adding engine oil.

4 Oil level is too high.

Too much oil will harm the engine. Have the vehicle checked without delay.◀

5 The oil level sensor is defective.
Do not add engine oil. You can continue your journey. Note the newly calculated distance remaining to the next oil service, refer to page 117. Have the system checked as soon as possible.

Adding engine oil



Do not add the maximum amount of 1 US quart/ 1 liter of engine oil until the following warning lamp lights up in the instrument cluster, or in cars with gasoline engines until the oil level monitor shows "+1qts" or "+1l".

Add oil within the next 125 miles/200 km, otherwise the engine could be damaged.◀

Keep oils, greases, etc. out of the reach of children and comply with the warnings on the containers. Otherwise, health hazards may result.◀

Oil change

Have oil changed only at your BMW Center or at a workshop that works according to BMW repair procedures with correspondingly trained personnel.

Specified engine oils

The quality of the engine oil selected has critical significance for the operation and service life of an engine. BMW continuously approves specific oils after confirming their suitability for use in its vehicles with extensive testing.

Only use approved BMW High Performance Synthetic Oil.

If BMW High Performance Synthetic Oil is not available, you can add small quantities of other synthetic oils in between oil changes. Only use oils with the API SH specification or higher.

Your BMW Center will be glad to answer any questions regarding BMW High Performance Synthetic Oil or approved synthetic oils.◀

You can also call BMW of North America at 1-800-831-1117 or visit the website www.bmwusa.com to obtain this information.

Viscosity ratings

Viscosity is a measure of an oil's flow rating and is categorized in SAE classes.

Selecting the appropriate SAE class depends on the regional climatic conditions in which you normally drive your BMW.

Approved oils belong to the 5W-40 and 5W-30 classes.◀

These oils can be used for driving at all outside temperatures.

Coolant

Do not add coolant to the cooling system when the engine is hot. Escaping coolant can cause burns.◀

Coolant is a mixture of water and an additive. Not all commercially available additives are suitable for your BMW. Ask your BMW Center for suitable additives.

Only use suitable additives, otherwise engine damage may result. The additives are hazardous to your health.◀

Comply with the appropriate environmental protection regulations when disposing of coolant additives.◀

Checking coolant level

1. The engine must be at ambient temperature.
2. Turn the cap of the expansion tank a little counterclockwise to allow any accumulated pressure to escape, then continue turning to open.
3. The coolant level is correct if it is between the maximum and minimum marks in the filler neck, refer also to the diagram next to the filler neck.

4. If the coolant is low, slowly add coolant up to the specified level; do not overfill.
5. Turn the cap until there is an audible click.
6. Have the reason for the coolant loss eliminated as soon as possible.

Brake system

Malfunctions

Brake fluid

The warning lamps light up in red even though the handbrake has been released. Stop immediately.

The brake fluid in the reservoir has fallen to below the minimum level. At the same time, a considerably longer brake pedal travel may be noticeable. Have the system checked without delay.

Display of this malfunction on Canadian models.

If you continue to drive the car, you may have to depress the brake more and braking distances may be significantly longer. Please adapt your driving style accordingly.◀

Brake pads

The warning lamps light up in red even though the handbrake has been released. The brake pads have reached the safe limit for pad wear. Have brake pads replaced immediately.

Display of this malfunction on Canadian models.

For your own safety: use only brake pads that BMW has approved for the corresponding vehicle model. BMW is unable to assess the suitability of brake pads it has not approved and therefore cannot guarantee their safety.◀

Maintenance

BMW Maintenance System

The BMW Maintenance System supports the preservation of the traffic and operating safety of your BMW. The service schedule also includes operations related to the vehicle's comfort and convenience features, such as replacement of the filters for the inside air. The objective is to optimize efforts with respect to minimal vehicle maintenance costs.

If and when you come to sell your BMW, a comprehensive record of servicing will prove a significant benefit.

CBS Condition Based Service

Sensors and special algorithms take the different driving conditions of your BMW into account. Condition Based Service uses this to determine the current and future service requirements. By letting you define a service and maintenance regimen that reflects your own individual requirements, the system builds the basis for trouble-free driving.

In the instrument cluster, you can have the remaining times or distances for selected maintenance tasks and any legally prescribed dates displayed, refer to page 61:

- Engine oil
- Brakes: separately for front and rear
- Microfilter/activated-charcoal filter for automatic climate control
- Microfilter for air conditioner
- Brake fluid
- Spark plugs
- Vehicle check
- Legally mandated inspections depending on local regulations

Service data in the remote control

Your vehicle continuously stores service-requirement information in the remote control while you are driving. Your BMW Service Advisor can read out this data from the remote control unit, and propose an optimized maintenance approach. Whenever you take your car in for servicing you should therefore hand your BMW Service Advisor the remote control unit that you last used.

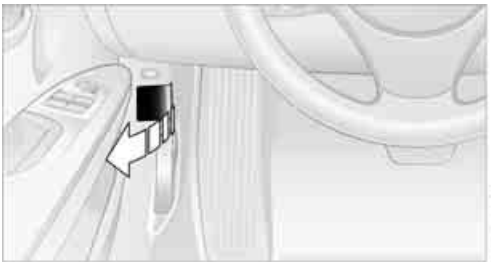
Make sure that the date in the instrument cluster is always set correctly, refer to page 63; otherwise the effectiveness of Condition Based Service CBS is not assured.◀

Service and Warranty Information Booklet for US models and Warranty and Service Guide Booklet for Canadian models

Please consult your Service and Warranty Information Booklet for US models and Warranty and Service Guide Booklet for Canadian models for additional information on service requirements.

BMW recommends that you have service and repair operations performed at your BMW Center.
Take the time to ensure that these service procedures are confirmed by entries in your vehicle's Service and Warranty Information Booklet for US models and Warranty and Service Guide Booklet for Canadian models. These entries verify that your vehicle has received the specified regular maintenance.◀

Socket for On-Board Diagnosis OBD



Primary components that make up exhaust emissions can be checked by a device via the OBD socket.

This socket is located on the driver's side to the left, on the bottom of the instrument panel underneath a cover.

Exhaust emission values

The warning lamps come on. The exhaust emission values have worsened. Have the car checked as soon as possible.

Canadian models display these warning lamps.

The lamps flash under certain conditions. This indicates excessive misfiring in the engine. If this happens, you should reduce your speed and visit your nearest BMW Center as soon as possible. Severe engine misfiring can quickly lead to serious damage of emissions-related components, especially the catalytic converter.

If the gas cap is not properly tightened, the OBD system will assume that fuel vapor is escaping. An indicator will then light up. If the gas cap is then tightened, the indicator will go out within a few days.

Event data recorders

Your vehicle may be equipped with one or several measuring or diagnostic modules or a device for recording or sending certain vehicle data or information. In addition, if you have signed a subscription contract for BMW Assist, certain vehicle data may be transmitted or recorded in order to facilitate the corresponding services.

Care

Important information on the care and maintenance of your BMW is contained in the Caring for your vehicle brochure.

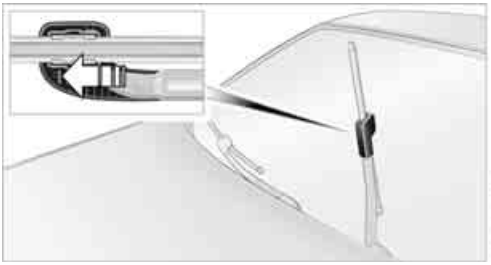
Replacing components

Onboard tool kit

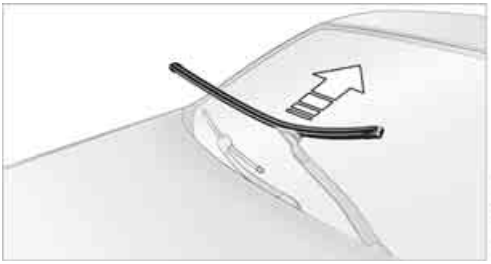
The onboard tool kit is stored in a compartment on the left-hand side underneath the cargo area floor panel.

Wiper blades

Changing front wiper blades



1. Fold up the wiper arm.
2. Remove the cover. To do so, press the hook on the bottom, see arrow.



3. Fold the wiper blade upwards.
4. Remove the wiper blade in the direction of the windshield, see arrow.

In order to avoid damage, make sure that the wiper arms are against the windshield before you open the engine compartment.◀

Changing rear wiper blade

1. Fold up the wiper arm.
2. Pull off the wiper blade, see arrow.
3. Insert the new wiper blade and press it on until it audibly engages.

Lamps and bulbs

Lamps and bulbs make an essential contribution to vehicle safety. They should, therefore, be handled carefully. BMW recommends having your BMW Center perform any work that you do not feel competent to perform yourself or that is not described here.

Never touch the glass of new bulbs with your bare fingers, as even minute amounts of contamination will burn into the bulb's surface and reduce its service life. Use a clean tissue, cloth or something similar, or hold the bulb by its base.◀

You can obtain a selection of replacement bulbs at your BMW Center.

When working on electrical systems, always begin by switching off the consumer in question, otherwise short-circuits could result. To avoid possible injury or equipment damage when replacing bulbs, observe

any instructions provided by the bulb manufacturer.◀

For care and maintenance of the headlamps, please follow the instructions in the separate Caring for your vehicle brochure.

If the routine for changing a particular bulb is not described here, please contact your BMW Center or a workshop that works according to BMW repair procedures with correspondingly trained personnel.◀

Light-emitting diodes LEDs

Light-emitting diodes installed behind translucent lenses serve as the light source for many of the controls and displays in your vehicle. These light-emitting diodes, which operate using a concept similar to that applied in conventional lasers, are officially designated as Class 1 light-emitting diodes.

Do not remove the covers or expose the eyes directly to the unfiltered light source for several hours at a time, otherwise this could cause irritation to the retina.◀

Xenon lamps*

The service life of these bulbs is very long and the probability of a failure is very low, provided that they are not switched on and off an unusual number of times. If a xenon lamp fails nevertheless, switch on the fog lamps and continue the journey with great care, provided that local legislation does not prohibit this.

Have work on the xenon lighting system performed only by your BMW Center or a workshop that works according to BMW repair procedures with correspondingly trained personnel. Due to the high electrical voltages present, there is a risk of potentially fatal accidents if work is performed inappropriate.◀

Parking lamps, roadside parking lamps

In the event of a malfunction, please contact your BMW Center or a workshop that works according to BMW repair procedures with correspondingly trained personnel.

Halogen lamps

H7 bulb, 55 watts

Always wear gloves and eye protection; the atmosphere within the H7 bulb is pressurized. Otherwise there is a risk of injury if the bulb is damaged.◀

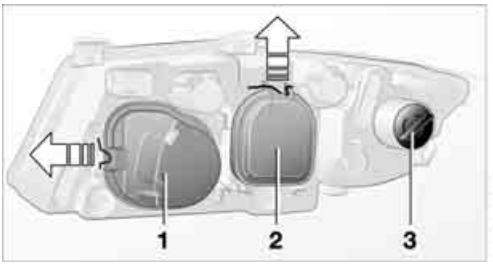
There are separate headlamp covers for low-beam headlamps and high-beam headlamps.

Be careful when installing the covers, otherwise leaks could occur and cause damage to the headlamp system.◀

For checking and adjusting headlamp aim, please contact your BMW Center.◀

Access to the lamps

The high-beam headlamp can be accessed from the engine compartment, whereas the low-beam headlamp is accessed through a flap in the wheel well.



1 Cover for high-beam headlamp

2 Cover for low-beam headlamp

3 Turn signal bulb socket

To remove the covers:

1. Fold the respective wire bracket to the side, see arrows.
2. Flip open the cover and take it out of the guide.

Follow the same steps in reverse order to reattach the covers.

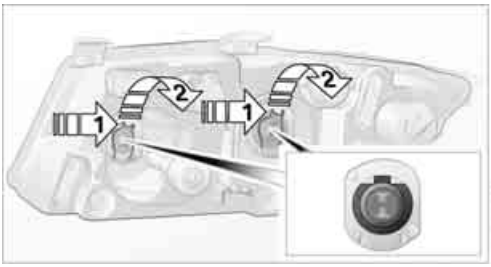
Access through the wheel well

Only for low-beam headlamps and turn signals:

1. Turn the wheel inwards.
2. Open the flap in the wheel well. To do so, turn the fastener counterclockwise using a coin, for example.

Changing low-beam and high-beam bulbs

1. Remove the relevant cover for the headlamp.
2. Disconnect the plug from the lamp.
3. Push the wire bracket to the side out of the mounting, arrow **1**, and fold it down, arrow **2**.

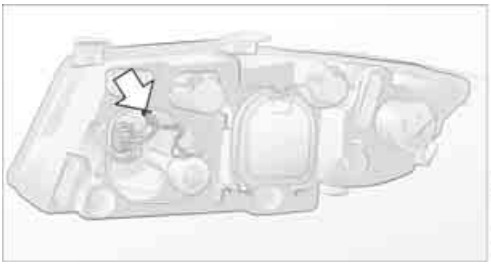


4. Remove the bulb.
5. Insert new bulb as shown in the detail of the illustration above.
6. Fold up the wire bracket and engage it.
7. Connect the plug.
8. Reattach the cover.

Parking lamps, roadside parking lamps

5 watt bulb, W 5 W

1. Remove the cover for the high-beam headlamp.
2. Pull out the bulb socket, see arrow.



3. Remove and replace the bulb.
4. Insert bulb socket.
5. Reattach the cover.

Turn signals, front

21 watt bulb, PY 21 W
or PY 21 W Silver Vision

1. Open the flap in the wheel well, refer to Access through the wheel well on page 120.

2. Rotate turn signal bulb socket **1** to the left and remove.
3. Apply gentle pressure to the bulb while turning it to the left for removal and replacement.
4. Insert turn signal bulb socket **1**.
5. Attach the flap to the wheel well.

Side-mounted turn signals

In the event of a malfunction, please contact your BMW Center or a workshop that works according to BMW repair procedures with correspondingly trained personnel.

Tail lamps

- Brake lamp in the tailgate
  21 watt bulb, H 21 W
- Other lamps:
  21 watt bulb, P 21 W

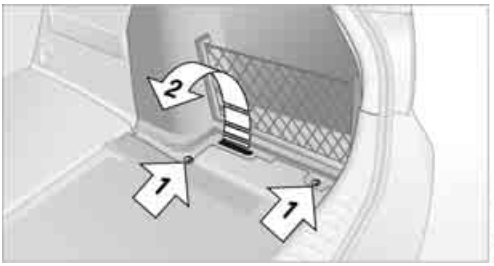
The tail lamps are divided into two parts. One part is in the tailgate, the other is in the fender.

1 Brake lamp
2 Roadside parking lamp/tail lamp
3 Turn signal
4 Backup lamp
5 Tail lamp
6 Brake lamp

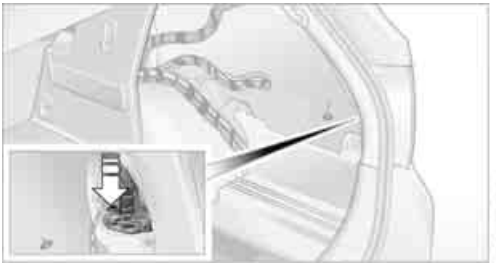
Fender-mounted lamps

1. Left-hand lamps:
   Open the flap on the left-hand side of the cargo area.

   Right-hand lamps:
   Open the cargo area floor panel. Turn the screws on the cover, arrows **1**, 90° and take out the cover, arrow **2**.



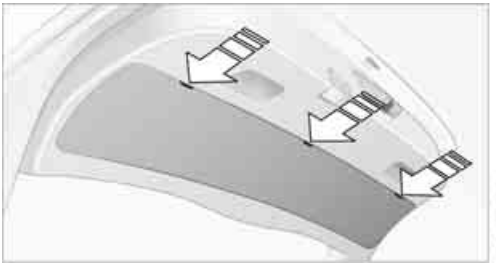
2. Unfasten the bulb holder at the clip, see arrow, and pull out.



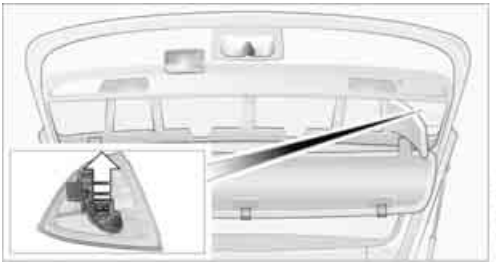
3. Apply gentle pressure to the bulb while turning it to the left for removal and replacement.
4. Re-engage the bulb holder so that it audibly clicks into place.
5. Reattach the cover in the cargo area.

Lamps in the tailgate

1. Use a screwdriver to press out the cover at the clips, see arrows, and fold it downward.



2. Fold away the foam insulating material.
3. Unfasten the bulb holder at the clip, see arrow, and remove.



4. Apply gentle pressure to the bulb while turning it to the left for removal and replacement.
5. Re-engage the bulb holder so that it audibly clicks into place.
6. Reattach the trim of the tailgate.

License plate lamp

5 watt bulb, C 5 W

1. Using a screwdriver, push the lamp to the right in the flap of the lamp housing.
2. Take out the lamp towards the left and change the bulb.
3. Insert the lamp.

Center brake lamp

This lamp uses LED technology for operation. In the event of a malfunction, please contact your BMW Center or a workshop that works according to BMW repair procedures with correspondingly trained personnel.

Changing wheels

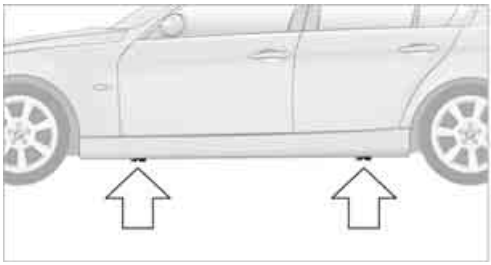
Your BMW is equipped with Run-Flat Tires as standard. This removes the need to change a wheel immediately in the event of a puncture.

The symbol identifying Run-Flat Tires is a circle with the letters RSC on the sidewall, refer to Run-Flat Tires, page 110.

When mounting new tires or changing over from summer to winter tires and vice versa, mount Run-Flat Tires for your own safety. In the event of a flat, moreover, no spare wheel is available. Your BMW Center will be glad to advise you. Refer also to New wheels and tires, page 110.

The tools for changing wheels are available as optional accessories from your BMW Center.◀

Jack mounting points



The jacking points are at the positions shown in the illustration.

Vehicle battery

Battery care

The battery is 100% maintenance-free, the electrolyte will last for the life of the battery when the vehicle is operated in a temperate climate. Your BMW Center will be glad to advise in all matters concerning the battery.

Charging the battery

Only charge the battery in the vehicle via the terminals in the engine compartment with the engine off. Connections, refer to Jump starting on page 126.

Disposal

Have old batteries disposed of by your BMW Center or hand them in to a recycling center. Maintain the battery in an upright position for transport and storage. Always secure the battery against tipping over during transport.◀

Power failure

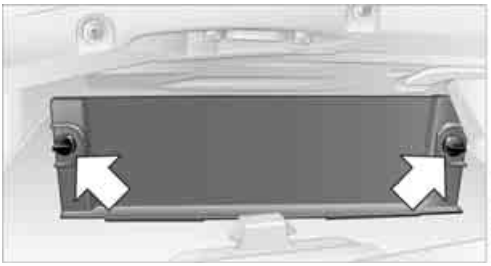
After a temporary power loss, the functioning of some equipment may be limited and require ini-

tialization. Individual settings may likewise have been lost and will have to be reprogrammed:

- Time and date
  These values must be updated, refer to page 62.
- Radio
  Stations must be stored again, refer to the separate Owner's Manual for Radio.
- Panorama glass roof
  It may only be possible to raise the sunroof, if applicable. The system must be initialized. Please contact your BMW Center.
- Seat and mirror memory
  The positions must be stored again, refer to page 34.
- Inside rearview mirror with digital compass
  The system must be calibrated, refer to page 86.

Fuses

Never attempt to repair a blown fuse and do not replace a defective fuse with a substitute of another color or amperage rating, otherwise this could lead to a circuit overload, ultimately resulting in a fire in the vehicle.◀



Open the cover in the glove compartment and remove it.

Spare fuses and a pair of plastic forceps are set in holders on the distributor box.

See the rear of the cover for information on fuse assignment.

Giving and receiving assistance

Emergency calling*

Conditions for an emergency call:

- Full preparation package mobile phone
- BMW Assist is enabled. Enabling BMW Assist, refer to separate Owner's Manual.
- Radio readiness is on.
- The car phone is logged on to a mobile telephone network.
- The emergency call system is operable.

If your subscription contract with BMW Assist expires, the car phone can be deactivated by a BMW Center without having to schedule an appointment at a workshop. Once the car phone has been deactivated, emergency calls are not possible. The car phone can be reactivated by a BMW Center after signing a new contract.

Initiating an emergency call

1. Briefly press the cover flap to open.

2. Press the button for at least 2 seconds.

The LED in the button lights up. As soon as the voice connection to the BMW Assist response center has been established, the LED flashes.

If the circumstances allow this, remain in the vehicle until the connection has been established. You will then be able to provide a detailed description of the situation.

If the current location of your vehicle can be determined, it will be transmitted to the BMW Assist response center.

If the LED is flashing but the emergency response center cannot be heard over the hands-free system, it is possible that the hands-free system is malfunctioning. The emergency response center may still be able to hear you, however.

Under certain conditions, an emergency call is automatically initiated immediately after a severe accident. The automatic emergency call is not affected by the button being pressed.

For technical reasons, the emergency call cannot be guaranteed under unfavorable conditions.◀

Roadside Assistance

The BMW Group's Roadside Assistance service is there to assist you around the clock in the event of a breakdown, including on weekends and public holidays.

The phone numbers of the Roadside Assistance in your home country can be found in the Contact brochure.

First aid pouch*

The first aid pouch is located on the left-hand side of the cargo area.

Some of the articles contained in the first aid pouch have a limited service life. Therefore,

check the expiration dates of the contents regularly and replace any items in good time, if necessary.

Warning triangle*

The warning triangle is located behind the left-hand trim in the cargo area. Press the tab to take it out.

Jump starting

If the car's own battery is flat, your BMW's engine can be started by connecting two jumper cables to another vehicle's battery. You can also use the same method to help start another vehicle. Only use jumper cables with fully-insulated clamp handles.

Do not touch any electrically live parts when the engine is running, or a fatal accident may occur. Carefully adhere to the following sequence, both to prevent damage to one or both vehicles, and to guard against possible personal injuries.◀

Preparation

1. Check whether the battery of the other vehicle has a voltage of 12 volts and approximately the same capacitance in Ah. This information can be found on the battery.
2. Switch off the engine of the assisting vehicle.
3. Switch off any consumers in both vehicles.

There must not be any contact between the bodies of the two vehicles, otherwise there is a danger of shorting.◀

Connecting jumper cables

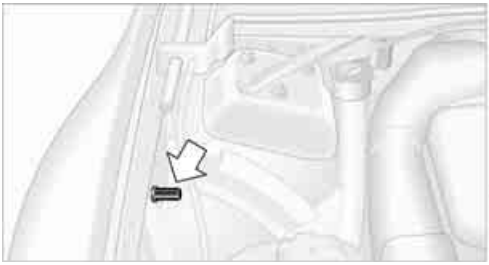
Connect the jumper cables in the correct order, so that no sparks which could cause injury occur at the battery.◀

Your BMW has a jump-starting connection in the engine compartment which acts as the battery's positive terminal, refer also to the Engine compartment overview on page 113. The cap is marked with +.

1. Pull the cap of the BMW jump-starting connection up to remove.

2. Attach one terminal clamp of the plus/+ jumper cable to the positive terminal of the battery or a starting-aid terminal of the vehicle providing assistance.
3. Attach the second terminal clamp of the plus/+ jumper cable to the positive terminal of the battery or a starting-aid terminal of the vehicle to be started.
4. Attach one terminal clamp of the minus/– jumper cable to the negative terminal of the battery or to an engine or body ground of the assisting vehicle.

Your BMW has a special nut as body ground or negative pole.



5. Attach the second terminal clamp of the minus/– jumper cable to the negative terminal of the battery or to the engine or body ground of the vehicle to be started.

Starting the engine

1. Start the engine of the donor vehicle and allow it to run for a few minutes at slightly increased idle speed.
2. Start the engine on the other vehicle in the usual way.
   If the first start attempt is not successful, wait a few minutes before another attempt in order to allow the discharged battery to recharge.
3. Let the engines run for a few minutes.
4. Disconnect the jumper cables by reversing the above connecting sequence.

If necessary, have the battery checked and recharged.

Never use spray fluids to start the engine.◀

Tow-starting, towing away

Observe the applicable laws and regulations for tow-starting and towing vehicles.◀

Do not transport any occupants other than the driver in a vehicle that is being towed.◀

Using a tow fitting

The screw-in tow fitting must always be carried in the car. It can be screwed in at the front or rear of the BMW.

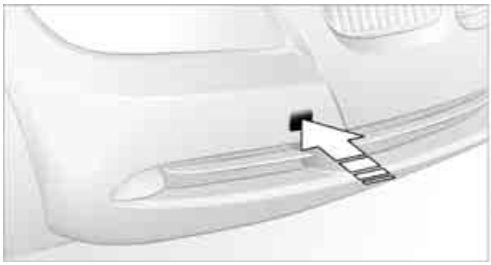
It is stored in the onboard tool kit underneath the cover on the right-hand side of the cargo area, refer to page 119.

Use only the tow fitting provided with the vehicle and screw it all the way in. Use the tow fitting for towing on paved roads only. Avoid lateral loading of the tow fitting, e.g. do not lift the vehicle by the tow fitting. Otherwise the tow fitting and the vehicle could be damaged.◀

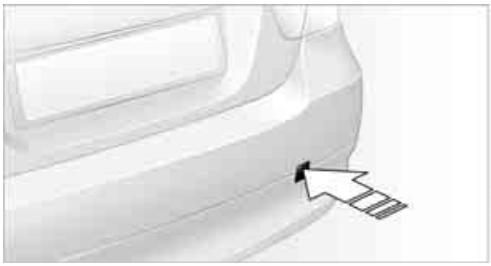
Access to screw thread

Rectangular cover panel in bumper:
Press on the upper edges of the cover panel.

Front



Rear



Being towed

Check that the car is radio-ready and that the electric steering wheel lock is not engaged, otherwise the car would not be steerable. If the electrical system fails, do not attempt to tow-start or tow away the car. The electric steering wheel lock cannot be disen-

gaged and the car is not steerable. Jump starting, refer to page 126.
Power steering assistance is not available when the engine is not running. Thus, braking and steering will require increased effort.◀

Switch on the hazard warning flashers, depending on local regulations.

Manual transmission

Gearshift lever in idle position.

Automatic transmission

Selector lever in position N.
Changing selector lever positions, refer to page 45.

Do not exceed a towing speed of 45 mph or 70 km/h and a towing distance of 90 miles/150 km, otherwise the automatic transmission may be damaged.◀

Towing with a tow bar

The towing vehicle must not be lighter than the towed vehicle, otherwise it may be impossible to maintain control.◀

The tow fittings used should be on the same side on both vehicles. Should it prove impossible to avoid mounting the tow bar at an angle, please observe the following:

- Clearance and maneuvering capability will be sharply limited during cornering.
- The tow bar will generate lateral forces if it is attached offset.

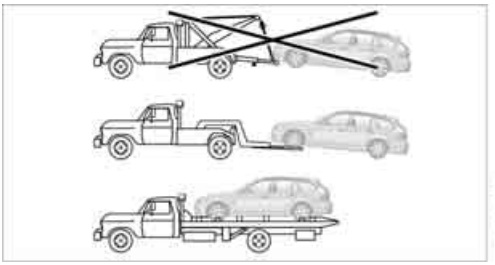
Attach the tow bar to the tow fittings only, as attaching it to other parts of the vehicle could result in damage.◀

Towing with a tow rope

When starting off in the towing vehicle, make sure that the tow rope is taut.

To avoid jerking and the associated stresses on vehicle components when towing, always use nylon ropes or nylon straps. Attach the tow rope to the tow fittings only, as attaching it to other parts of the vehicle could result in damage.◀

Towing with a tow truck

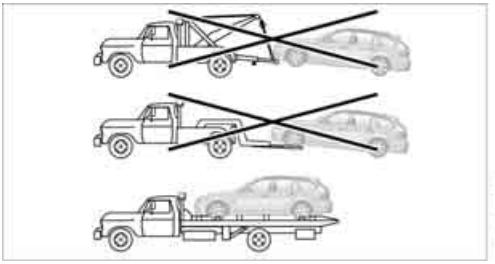


Have the BMW transported with a tow truck with a so-called lift bar or on a flat bed.

Do not lift the vehicle by a tow fitting or body and chassis parts, otherwise damage may result.◀

325xi

Do not tow a BMW with xDrive with just the front or rear axle raised, otherwise the wheels could lock up and the transfer case could be damaged.◀



Have the BMW transported on a flatbed surface only.

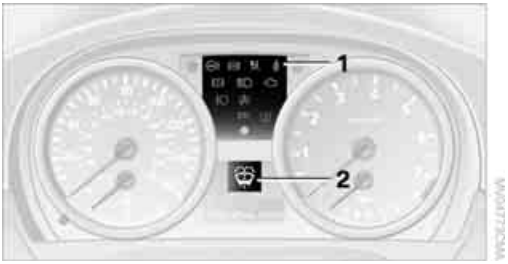
Tow-starting

If the electrical system fails, do not attempt to tow-start or tow away the car. The electric steering wheel lock cannot be disengaged and the car is not steerable. Jump starting, refer to page 126.◀

Do not tow-start vehicles with an automatic transmission. Only tow-start vehicles with a catalytic converter with the engine cold. It is better to jump start the engine, refer to page 126.◀

1. Switch on the hazard warning flashers, comply with local regulations.
2. Switch on the ignition, refer to page 42.
3. Shift into 3rd gear.
4. Have the vehicle tow-started with the clutch completely depressed and slowly release the clutch. After the engine starts, immediately depress the clutch completely again.
5. Stop at a suitable location, remove the tow bar or rope and switch off the hazard warning flashers.
6. Have the vehicle checked.

Indicator and warning lamps



Indicator and warning lamps appear in indicator area **1** and display **2**. See the table for information on causes and how to react. Note whether a lamp comes on alone or in combination with another. Some lamps can light up in different colors. Corresponding distinctions are made in the text.

1	2	Cause	What to do
		Turn signals	
		High beams/headlamp flasher switched on	
		Fog lamps switched on	
		Fasten safety belts	Fasten your safety belt, refer also to page 36.
BRAKE	PARK	Indication in US models Handbrake engaged	 Release the handbrake.
	PARK	Indication in Canadian models Handbrake engaged	 Release the handbrake.
		Risk of icy roads	Drive cautiously, refer also to page 57.
		Lights up briefly: Approx. 2.1 US gallons/8 liters of fuel remain in the tank Remains on: Remaining operating range is no more than 30 miles/50 km, refer to page 58	
	START	Engine refuses to start	Depress the brake or clutch in order to start the engine, refer to page 42.
		Ignition switched on and driver's door open	Switch off the ignition, refer to page 42, or close the driver's door.
		Lights still switched on	
		Door open	

1	2	Cause	What to do
		Engine compartment lid open	
		Tailgate or rear window open	
		Window washer fluid level too low	Add washer fluid as soon as possible, refer to page 48.
		Lights up in red: Service is due	Schedule a service appointment Check service requirements, refer to page 61.
		Lights up in yellow: The engine will start the next time the start/stop button is touched, possibly without the brake or clutch being depressed	
		Remote control malfunctioning or, in cars with convenient access, not detected	The engine cannot be started. Have the remote control checked, if necessary.
		Battery in remote control discharged	Use the remote control for a longer journey or, in cars with convenient access, replace the battery.
		Lights up in red: Driver's and/or front passenger's airbags malfunctioning	Have the system checked immediately.
		Lights up in yellow: Belt tensioners and/or airbag system for rear-seat passengers malfunctioning	Have the system checked as soon as possible.
		Belt tensioners and/or airbag system failed	Have the system checked immediately.
		Active steering defective	You can continue your journey. Steering characteristics are modified and steering wheel could be off-center. Steer carefully. Have the system checked as soon as possible.
		Lights up: Emergency call system has failed or is malfunctioning	Have the system checked as soon as possible.

1	2	Cause	What to do
		Lights up in red:	
		Engine malfunction	Stop the car and switch off the engine. You cannot continue your journey. Contact your BMW Center.
		Lights up in yellow:	
		Full engine power is no longer available	You can continue your journey, but moderate your speed and exercise due caution. Have the engine checked as soon as possible.
SERVICE ENGINE SOON		Indication in US models:	
		Indicator lamp **1** flashes:	
		Engine malfunction under high load. High engine load will result in damage to the catalytic converter	You can continue your journey, but moderate your speed and exercise due caution. Have the vehicle checked without delay.
		Indicator lamp **1** comes on:	
		Engine malfunction with adverse effect on exhaust emissions	Have the car checked as soon as possible.
		Indication in Canadian models:	
		Indicator lamp **1** flashes:	
		Engine malfunction under high load. High load on the engine will result in damage to the catalytic converter	You can continue your journey, but moderate your speed and exercise due caution. Have the vehicle checked without delay.
		Indicator lamp **1** comes on:	
		Engine malfunction with adverse effect on exhaust emissions	Have the car checked as soon as possible.
		Lights up in red:	
		Engine overheating	Carefully bring the car to a stop, switch off the engine and allow it to cool down. Do not open the engine compartment lid, otherwise there would be a risk of injury by scalding. Contact your BMW Center.
		Lights up in yellow:	
		Engine too hot	Continue driving at more moderate speed so that the engine can cool down. Have the engine checked without delay if the situation reoccurs.

1	2	Cause	What to do
		Lights up in red:	
		Battery is no longer being charged. Alternator malfunction	Switch off all unnecessary electrical consumers. Have the battery checked without delay.
		Lights up in yellow:	
		Battery charge level very low, battery aged or not securely connected	Have the battery checked as soon as possible.
BRAKE		Indication in US models	
		Handbrake engaged	
(!)		Indication in Canadian models	
		Handbrake engaged	
BRAKE		Indication in US models	
		Lights up in red:	
		Brake fluid level too low	Brake-pedal travel may be considerably longer. You can continue your journey, but moderate your speed and exercise due caution. Have the system checked immediately.
		Lights up in yellow:	
		Drive-off assistant has failed. The car will not be held in place after the brake is released.	Have the system checked as soon as possible.
(!)		Indication in Canadian models	
		Lights up in red:	
		Brake fluid level too low	Brake-pedal travel may be considerably longer. You can continue your journey, but moderate your speed and exercise due caution. Have the system checked immediately.
		Lights up in yellow:	
		Drive-off assistant has failed. The car will not be held in place after the brake is released.	Have the system checked as soon as possible.
BRAKE		Indication in US models	
		Brake pads worn	Have the condition of the brake pads checked without delay.
(!)		Indication in Canadian models	
		Brake pads worn	Have the condition of the brake pads checked without delay.

1	2	Cause	What to do
ABS BRAKE		Indication in US models Vehicle electronics failed	You cannot continue your journey. Contact your BMW Center.
		Indication* in Canadian models Vehicle electronics failed	You cannot continue your journey. Contact your BMW Center.
ABS		Indication* in Canadian models Vehicle electronics failed	You cannot continue your journey. Contact your BMW Center.
		Lights up in red: ▷ Starter failed or ▷ ignition malfunctioning. Engine restart only possible when brake is depressed or ▷ lighting system failed. Low beams/ tail lamps and brake lamps still operational. All other lamps failed Lights up in yellow: ▷ Control of the brake lamps failed or ▷ fuel supply malfunctioning, or ▷ trailer lamps malfunctioning	Have the system in question checked without delay. The engine cannot be restarted. Depress the brake to restart the engine. You can continue your journey, but moderate your speed and exercise due caution. Have the system in question checked without delay.
		Flashing: Dynamic Stability Control DSC or Dynamic Traction Control DTC is controlling drive and braking forces, refer also to page 67	
DTC		Dynamic Traction Control DTC activated, refer also to page 67	
		Dynamic Stability Control DSC and Dynamic Traction Control DTC deactivated, refer also to page 67	Driving stability limited during acceleration and cornering. Driving style must be readjusted.

1	2	Cause	What to do
		Suspension control system failed, refer also to page 68	Driving stability limited during acceleration and cornering. You can continue your journey, but moderate your speed and exercise due caution. Have the system checked as soon as possible.
		xDrive has failed, refer also to page 67	You can continue your journey. Drive cautiously and think well ahead. Avoid driving on rough tracks, full-throttle operation and use of the transmission's kick-down mode. Have the system checked immediately.
		xDrive and DSC have failed, refer also to page 67	You can continue your journey. Drive cautiously and think well ahead. Avoid driving on rough tracks, full-throttle operation and use of the transmission's kick-down mode. Have the system checked immediately.
		Indication in US models The driving stability control systems, including ABS, xDrive and the Flat Tire Monitor, have failed, refer also to page 68	You can continue your journey. Drive cautiously and think well ahead. Avoid braking with full force, driving on rough tracks, and depressing the accelerator pedal to full throttle or kick-down position. Have the system checked immediately.
		Indication* in Canadian models The driving stability control systems, including ABS, xDrive and the Flat Tire Monitor, have failed, refer also to page 68	You can continue your journey. Drive cautiously and think well ahead. Avoid braking with full force, driving on rough tracks, and depressing the accelerator pedal to full throttle or kick-down position. Have the system checked immediately.
		Indication* in Canadian models The driving stability control systems, including ABS, xDrive and the Flat Tire Monitor, have failed, refer also to page 68	You can continue your journey. Drive cautiously and think well ahead. Avoid braking with full force, driving on rough tracks, and depressing the accelerator pedal to full throttle or kick-down position. Have the system checked immediately.

1	2	Cause	What to do
		Light up in yellow and red:	
		▷ Tire is deflated	Carefully bring the car to a stop. Comply with the additional information starting on page 69.
		▷ Flat Tire Monitor not initialized	Initialize Flat Tire Monitor, refer to page 69.
		Light up in yellow:	
		Flat Tire Monitor failed. Punctures are not indicated	Have the system checked.
		Lights up in red:	
		▷ Transmission limp-home program active with restricted range of gears, possibly with reduced acceleration. Gears can be engaged without depressing the brake	You can continue your journey, but moderate your speed and exercise due caution. Have the system checked without delay. Always depress the brake to engage a gear.
		Lights up in yellow:	Have the system checked as soon as possible.
		▷ Automatic selector lever locked: Selector lever locked in position P with engine running and brake depressed or	Overriding selector lever lock, refer to page 46.
		▷ brake signal malfunctioning: gear can be engaged without depressing the brake	To engage a gear while the vehicle is at a standstill, always step on the brake. Before leaving the vehicle, move the selector lever to position P and switch off the engine.
		Lights up in red:	
		Transmission overheating	Bring the car to a stop and move the selector lever to position P. Allow the transmission to cool down. You can continue your journey, but moderate your speed and exercise due caution. Have the system checked if the situation reoccurs.
		Lights up in yellow:	
		Transmission too hot	Avoid high engine loads. You can continue your journey, but moderate your speed and exercise due caution.
		Selector lever position P not engaged. Vehicle not prevented from rolling	

1	2	Cause	What to do
		Selector lever position P not engaged. Ignition cannot be switched off	Engage selector lever position P when you wish to switch off the ignition, refer to page 42.
		Lights up in red: Electric steering wheel lock malfunctioning	The engine can no longer be started. If applicable, do not switch off the engine. Contact your BMW Center.
		Lights up in yellow: Electric steering wheel lock jammed	Move the steering wheel before starting the engine.
		Anti-trapping mechanism of the power windows malfunctioning	Have the system checked.
		Anti-trapping mechanism of the electric glass sunroof malfunctioning	Have the system checked.
		Cruise control deactivated: ▷ Driving stability control systems are active or ▷ handbrake is applied or ▷ the vehicle has not achieved a speed of 20 mph or 30 km/h or ▷ engaged gear not suitable for the speed being driven	
		Cruise control system failed	You can continue your journey. Have the system checked.
		Engine speed too low	Select a lower gear if the driving situation permits you to do so.
		Engine speed too high	Select a higher gear if the driving situation permits you to do so.
		Active cruise control deactivated: ▷ Driving stability control systems are active or ▷ handbrake is applied or ▷ the vehicle has not achieved a speed of 20 mph or 30 km/h or ▷ engaged gear not suitable for the speed being driven or	Keep a safe distance.
		▷ radar sensor dirty	Clean the radar sensor, refer to page 54.

1	2	Cause	What to do
		Active cruise control failed	Keep a safe distance. Have the system checked.
		Park Distance Control failed	Have the system checked.
		Bulb of exterior lighting system failed	Have the exterior lighting checked as soon as possible.
		Low-beam headlamp or fog lamp failed	Have the low beams checked as soon as possible.
		High-beam headlamp failed	Have the high-beam headlamps checked.
		Headlamp beam throw adjustment system failed	Have the headlamp beam throw adjustment system checked.
		Adaptive Head Light failed	
		Coolant level too low	Add coolant immediately, refer to page 115.
		Engine oil pressure too low	Stop immediately and switch off the engine. You cannot continue your journey. Contact your BMW Center.
		Engine oil level too low	Add engine oil immediately; refer to page 113 for more information.
		Lights up in red: Service appointment overdue	 Arrange a service appointment. Check service requirements, refer to page 61.
		Lights up in yellow: Service due	 Arrange a service appointment. Check service requirements, refer to page 61.
		No service due	Check service requirements, refer to page 61.
		Preset speed limit exceeded	
		Time and date no longer correct	Set the time and date, refer to page 62.

Reference

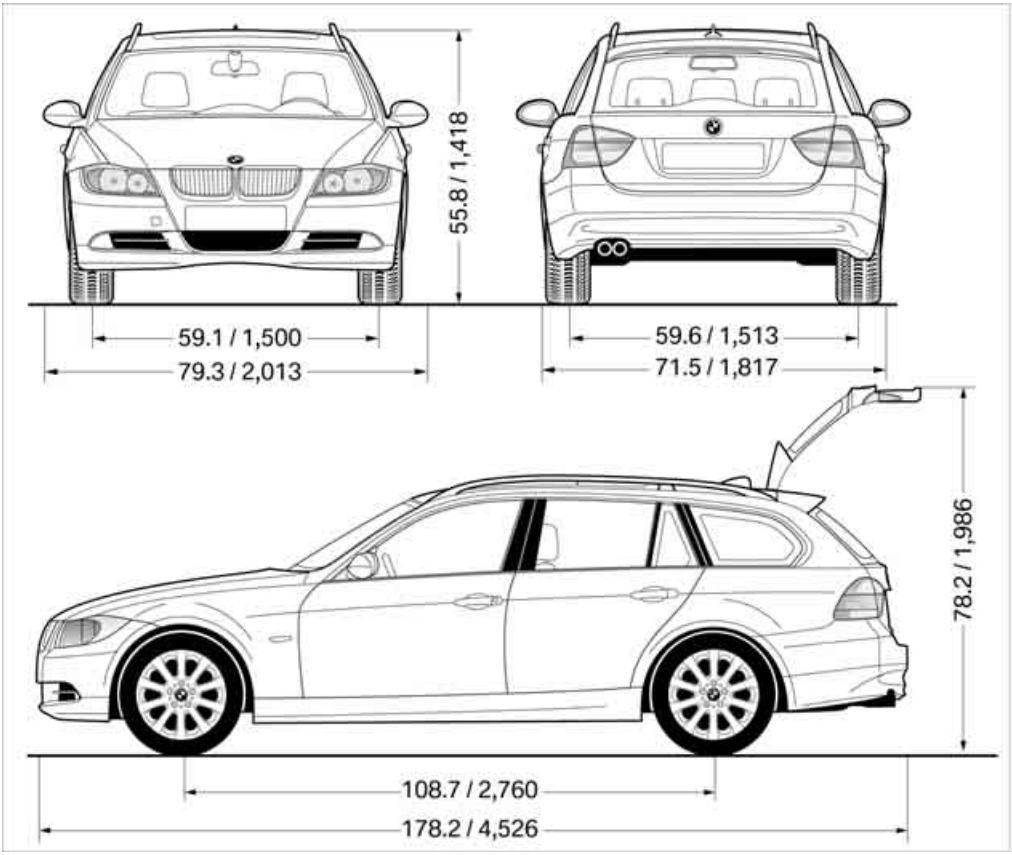
This chapter contains technical data and an index that will help you find information most quickly.

Technical data

Engine data

		325xi
Displacement	cu in/cm³	182.8/2,996
Number of cylinders		6
Maximum power output	hp	215
at engine speed	rpm	6,250
Maximum torque	lb ft/Nm	185/251
at engine speed	rpm	2,750

Dimensions



All dimensions given in inches/mm. Smallest turning circle diam.: 38 ft 9 in/11.8 m

Weights

		325xi
Curb weight		
▷ with manual transmission	lbs/kg	3,737/1,695
▷ with automatic transmission	lbs/kg	3,781/1,715
Approved gross weight		
▷ with manual transmission	lbs/kg	4,839/2,195
▷ with automatic transmission	lbs/kg	4,883/2,215
Load	lbs/kg	1,102/500
Approved front axle load	lbs/kg	2,293/1,040
Approved rear axle load	lbs/kg	2,646/1,200
Approved roof load capacity	lbs/kg	165/75
Cargo area capacity	cu ft/l	16.2/460 - 48.9/1,385

Never exceed either the approved axle loads or the gross vehicle weight.

Capacities

			Notes
Fuel tank	US gal/liters	approx. 16.1/61	Fuel grade: page 105
including reserve of	US gal/liters	approx. 2.1/8.0	
Window washer system			For more details: page 48
including headlamp washers	US quarts/liters	approx. 6.3/6.0	
Engine with oil filter renewal	US quarts/liters	approx. 6.9/6.5	BMW High Performance Synthetic Oil Oil grades: page 114

Everything from A to Z

Index

A

B

C

D

E

F

G

H

N

O

P

R

S

T

U

V

W

X

Refueling

So that you always have access to the data you need when refueling, you are recommended to enter the relevant figures for your car in the table provided below. Consult the index for individual specifications.

Fuel

Designation

Please enter your preferred fuel here.

Engine oil

Quality

Do not add engine oil until the corresponding warning lamp in the instrument cluster lights up, refer to page 114.

Tire inflation pressures

	Summer tires		Winter tires	
	Front	Rear	Front	Rear
Up to 4 persons				
5 persons or 4 plus luggage				

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