

Owner's Manual  
for Vehicle



The Ultimate  
Driving Machine





**525i**  
**530i**  
**545i**

**Owner's Manual for Vehicle**

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 Owner's Manual should be considered a permanent part of this vehicle. It should stay with the vehicle when sold to provide the next owner with important operating, safety and maintenance information.

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

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# Notes

## Using this Owner's Manual

We have made every effort to ensure that you are able to find what you need in this Owner's Manual as quickly as possible. The fastest way to find specific topics is to use 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.

You can find information on BMW, e.g. technology, on the Internet at [www.bmwusa.com](http://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.

◀ Marks the end of a specific item of information.



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.

\* Indicates special equipment, country-specific equipment and optional extras when available.

"..." Identifies Control Display texts used to select individual functions.

### 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

On purchasing your BMW, you have decided in favor of a model with individualized equipment and features. 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. This asterisk is generally used at the point at which the respective equipment is explicitly described.

Should your BMW be equipped with features or accessories not described in this manual, please consult the enclosed Supplementary Owner's Manual(s).


## 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 that the features described in this Owner's Manual could differ from those on your vehicle. Nor can errors and omissions be entirely ruled out. You are therefore asked to appreciate that no legal claims can be entertained on the basis of the data, illustrations or descriptions in this Owner's Manual.

## For your own safety

### Maintenance and repair

 Advanced technology, e.g. the use of modern materials and high-performance electronics, requires specially adapted maintenance and repair methods. Therefore, only have corresponding work on your BMW carried out by a BMW center or a workshop that works according to BMW repair procedures with correspondingly trained personnel. If work is carried out improperly there is a danger of consequential damage and the related safety risks. ◀


## 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 Genuine 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.

Genuine 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 portable phone from within the vehicle without using an externally mounted antenna – or transceiver equipment, for instance, CBs, walkie-talkie, 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. Refer to 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. ◀



## 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

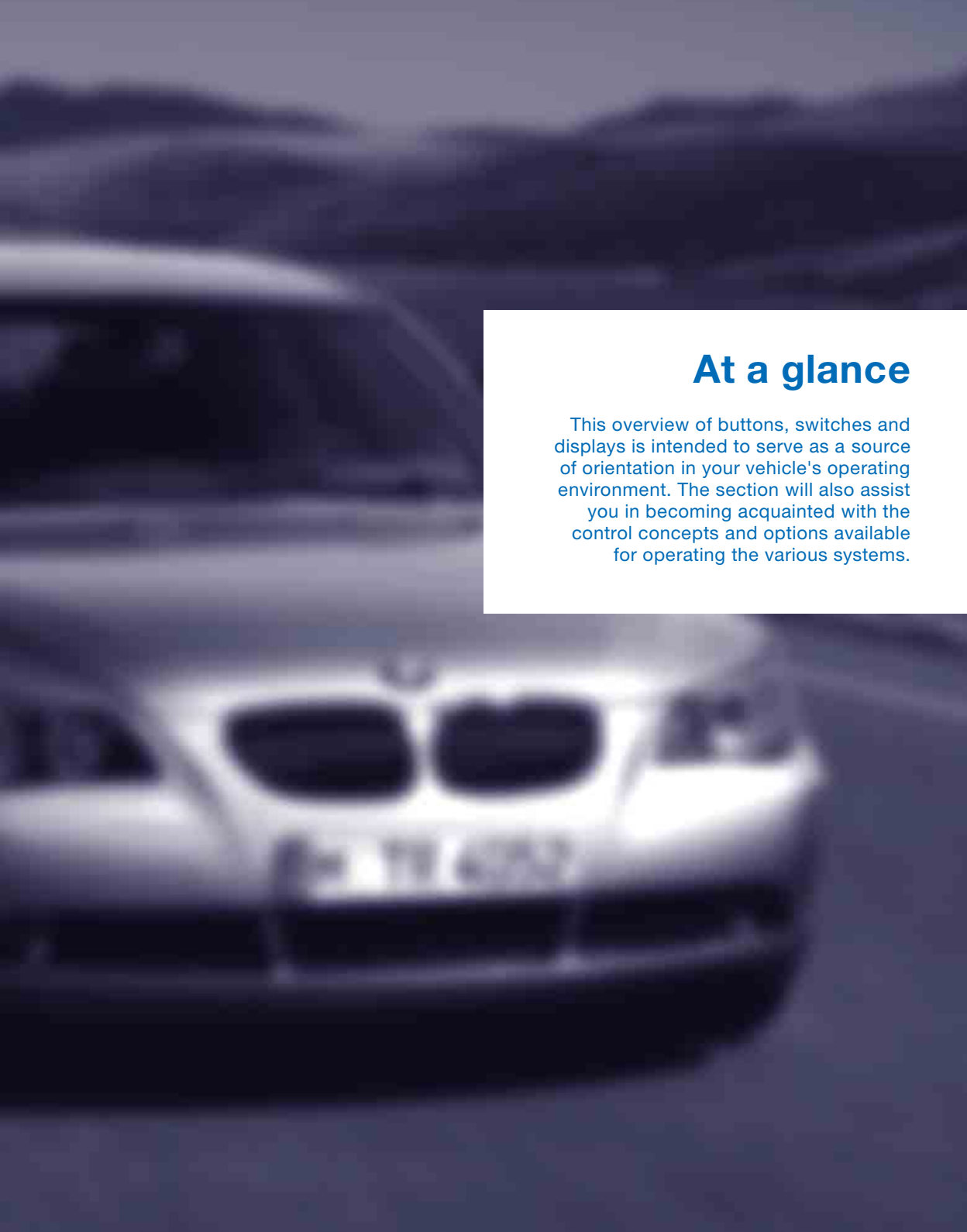
The following only applies to vehicles owned and operated in the US.

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 (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 either call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 366-0123 in Washington, D.C. area) or write to: NHTSA, U.S. Department of Transportation, Washington, D.C. 20590. You can also obtain other information about motor vehicle safety from the Hotline.



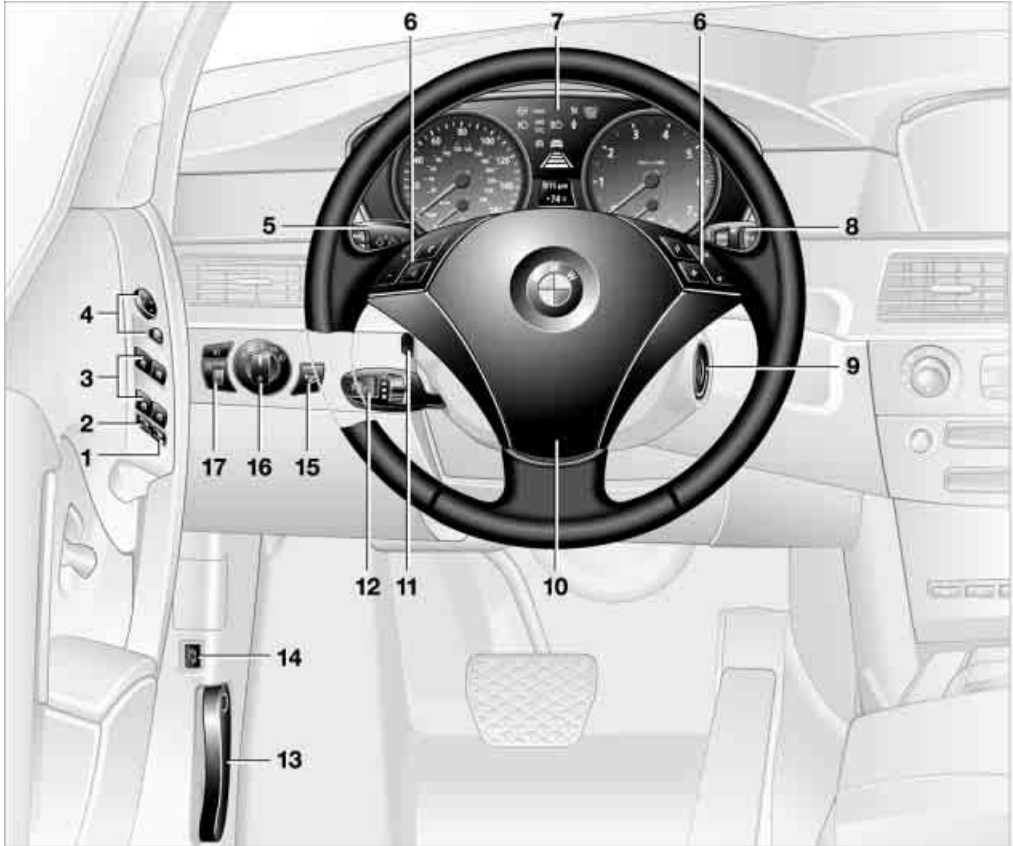


## At a glance






This overview of buttons, switches and displays is intended to serve as a source of orientation in 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

## All around the steering wheel: controls and displays



- 1 Rear window blind 96
- 2 Rear window safety switch 33
- 3 Opening and closing windows 32
- 4 Adjusting exterior mirrors 42

- 5  Turn signals 55
-  High beams,  
headlamp flasher 87
-  Roadside parking lamps 87
- CHECK  Check Control 66
- BC  Computer 68

## 6 Buttons on steering wheel



Portable phone:

- ▷ Press briefly:  
Accept call or terminate call as well as dialing if an entry has been selected from "A - Z", "Top 8", "Redial", "Received calls" or "Missed calls"
- ▷ Press longer: redialing



Volume



Voice command system



Fast forward/reverse

- ▷ Radio  
Press briefly: change station  
Press longer: manual search or automatic search scan
- ▷ CD  
Press briefly: select track  
Press longer: fast forward/reverse
- ▷ Portable phone  
Press briefly: select entry in "A - Z", "Top 8", "Redial", "Received calls" or "Missed calls"





Individually programmable 44



Individually programmable 44


## 7 Instrument cluster 12


8  Windshield wipers 56

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9 Ignition lock 49

10 Horn: the entire surface

11  Steering wheel heater 44


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12  Cruise control 57


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13 Releasing engine hood 173

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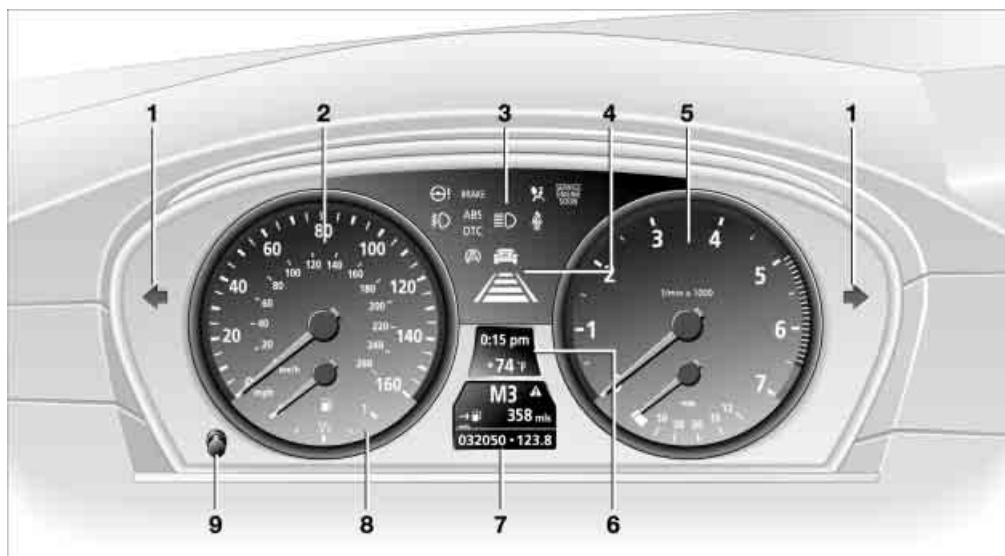
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## Instrument cluster



- 1 Indicator lamps for turn signals [13](#)
- 2 Speedometer with display of speed for
  - ▷ Cruise control [57](#)
  - ▷ Active cruise control [58](#)
- 3 Fixed indicator and warning lamps [13](#)
- 4 Display for active cruise control [59](#)
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  - ▷ Variable indicator and warning lamps [67](#)
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  - ▷ Odometer and trip odometer [64](#)
  - ▷ Check Control message present [66](#)
- 8 Fuel gauge [65](#)
- 9 Resetting trip odometer [64](#)

# Indicator and warning lamps

## Technology that monitors itself

The indicator and warning lamps identified by the ● symbol are subjected to an operation check each time you switch on the ignition or start the engine. They each light up once for different periods of time.

When a malfunction occurs in a monitored system, the corresponding lamp will either fail to go out when the engine is started, or it will come on again during normal driving, usually accompanied by a Check Control message. Detailed information is provided on the specified pages.

## Fixed indicator and warning lamps



Turn signals ● 55



Active steering ● 80



Brake system ●  
With handbrake applied 50  
With handbrake released 78, 176  
With other warning lamps 78



Brake system for Canadian models



Airbags ● 81



Service Engine Soon ● 179  
If the indicator lamp comes on either continuously or intermittently, this indicates a fault in the emissions-related electronic systems.  
Although the vehicle remains operational, you should have the systems checked by your BMW center at the earliest possible opportunity.



Service Engine Soon indicator lamp for Canadian models



Front fog lamps 87



ABS Antilock Brake System ● 78



DTC Dynamic Traction Control 77



High beams/headlamp flasher 87



Please fasten safety belt ● 40



DSC Dynamic Stability Control ● 77



Check Gas Cap 164  
Lamp for US models

## Colors

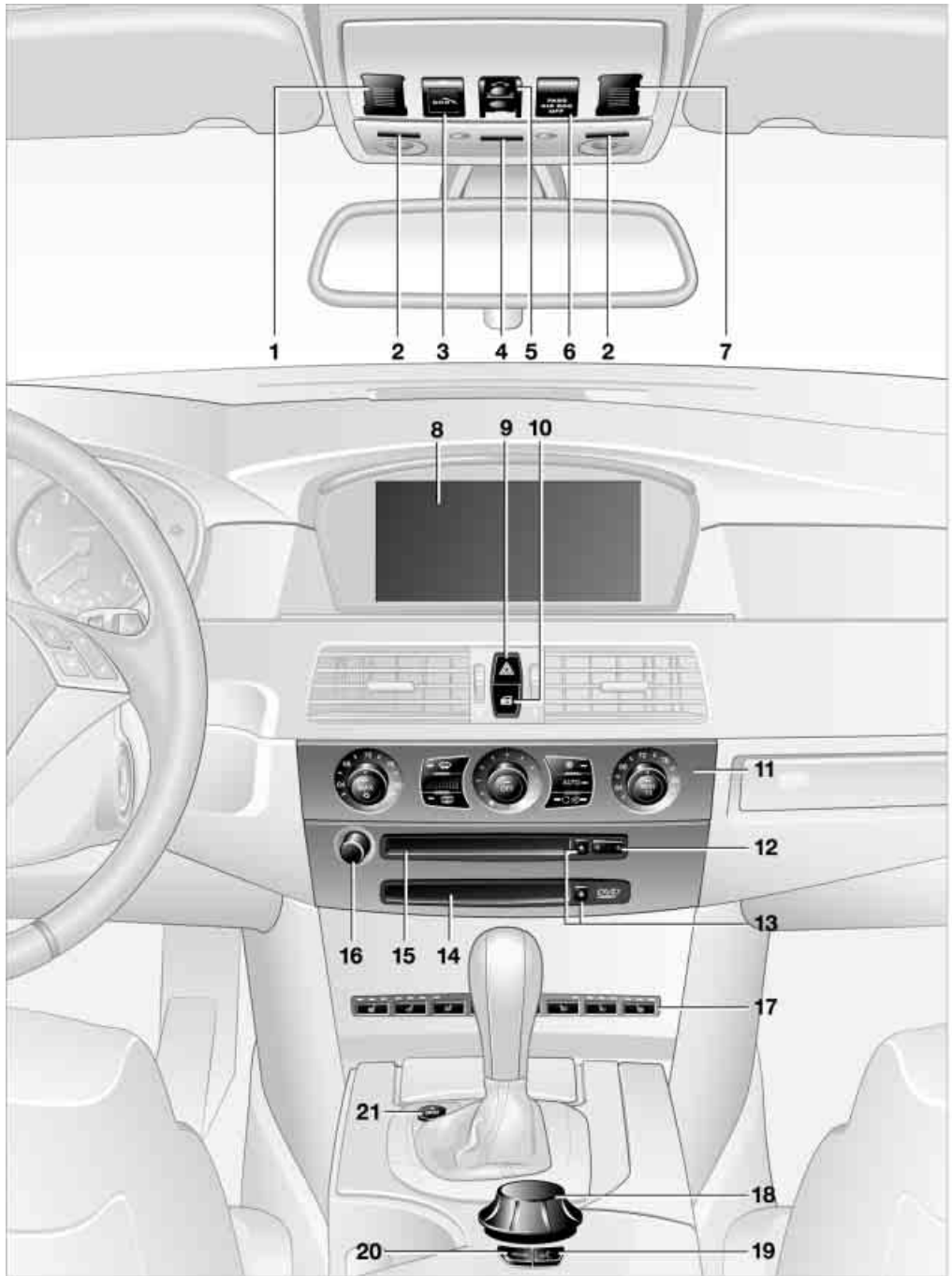
The indicator and warning lamps can light up in different colors and combinations.

- ▷ Red:  
Stop immediately  
or  
important reminder
- ▷ Red and yellow:  
Continue driving moderately
- ▷ Yellow:  
Have checked soon  
or  
for your information
- ▷ Green or blue:  
For your information.











## Variable indicator and warning lamps






On the display 6 of the instrument cluster, other indicator and warning lamps appear as necessary. Pay attention to the instructions of the accompanying Check Control messages, also refer to page 66.

# All around the center console: controls and displays





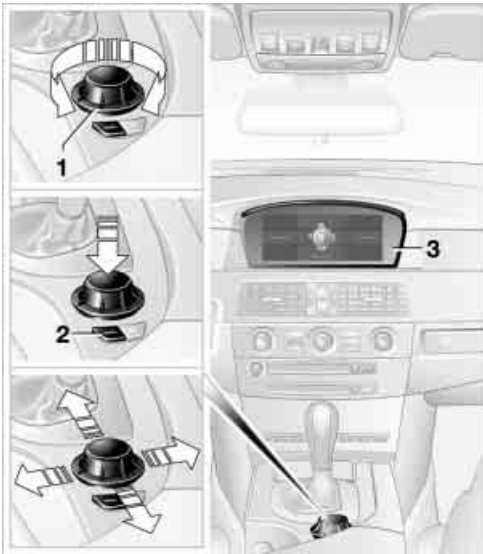
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Turn, press or horizontal movement in four directions
- 19 Activating voice command system 20
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- 21 Dynamic Driving Control 54

# Control Center


The Control Center groups the functions of a large number of switches. This means that these functions can be operated from a central position. The following section provides an introduction to the principle of the menu guidance. How you control the individual functions is described in the context of the relevant equipment.

## Controls



- 1 Controller: you navigate through the menus of the Control Center and make adjustments by turning, pressing and moving it to the left, right, forwards or backwards
- 2 The start menu can be opened from any menu with this button
- 3 Control Display

When you turn the controller, you feel a clicking. This helps you to select the desired menu item.

 To avoid posing an unnecessary hazard due to inattention, both to your own vehicle's occupants and to other road users: never attempt to use the controls or make entries unless traffic and road conditions allow. ◀

## Menu overview

You can call up all the functions in the Control Center using five menu items.

### Communication

- ▷ Portable phone
- ▷ BMW Assist or TeleService.

### Navigation or onboard information

- ▷ Navigation system
- ▷ Onboard information, e.g. for display of the average fuel consumption.

### Entertainment

- ▷ Radio
- ▷ CD player and CD changer.

### Climate

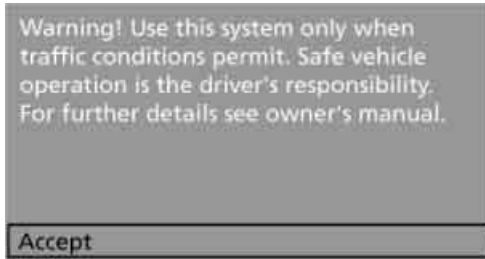
- ▷ Air distribution
- ▷ Seat air conditioning
- ▷ Independent ventilation.

### i menu

- ▷ Switching off Control Display
- ▷ Traffic information
- ▷ Tone and display settings
- ▷ Settings for your vehicle, e.g. for central locking or settings for entertainment or your portable phone
- ▷ Display of maintenance requirement and dates for statutory emission and vehicle inspections.

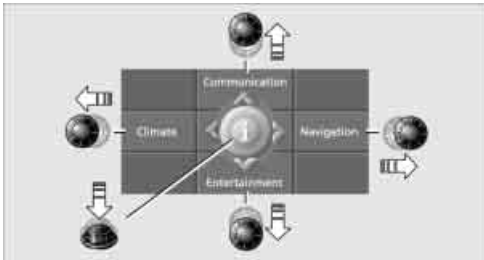
## Menu guidance

As of ignition key position 1, the following message appears on the Control Display:



Confirm the message by pressing the controller; the start menu is opened.

## Start menu



Via the start menu, you can open four menus by moving the controller to the left, right, forwards or backwards. Pressing the controller opens the **i** menu.

## Opening start menu

**MENU**

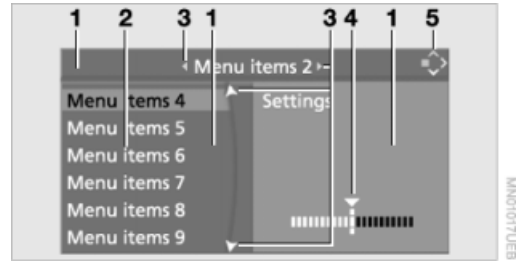
Press button.

To open the start menu from the **i** menu:

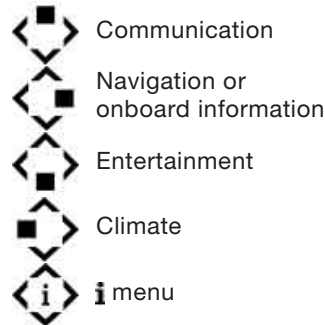
**MENU**

Press the button twice.

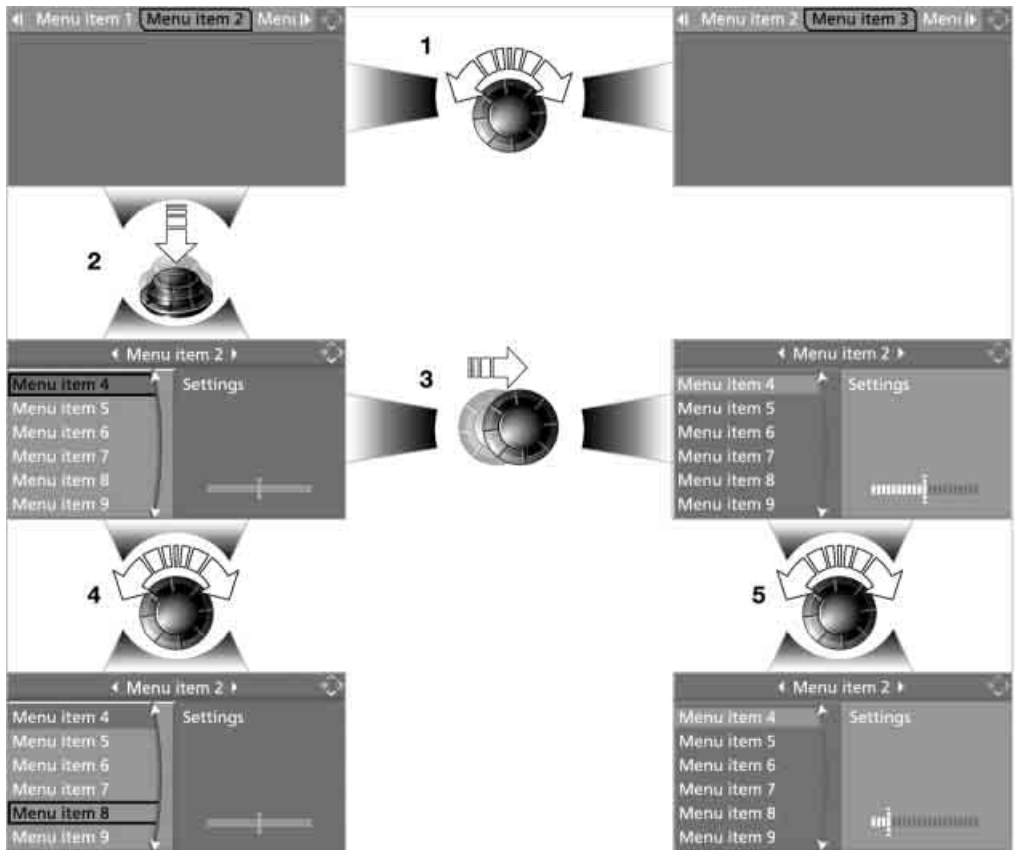
## Displays in menu



- 1 In menus, you can change fields to select the menu items they contain or to make adjustments. The active field is brighter than the others
- 2 Menu items are usually grouped in horizontal or vertical lists
- 3 Arrows indicate that other menu items can be selected in lists, but these are not visible at the moment
- 4 Adjustments are displayed in diagrams or as numbers
- 5 A symbol indicates the last selected menu item of the start menu:



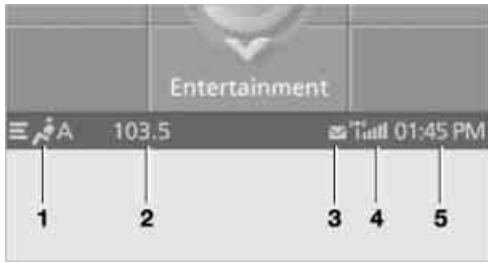
## Selecting menu items and making adjustments



VENUS0000254M

- 1 To select individual menu items: turn the controller. The marking moves. Menu items shown in white can be selected
- 2 To activate menu items selected with the marking: press the controller. In the current field, new menu items are displayed or a function is executed
- 3 To change the current field: move the controller to the left, right, forwards or backwards and let go.  
To change the current menu: move the controller to the left, right, forwards or backwards and hold for longer than approx. 2 seconds. The menu in the relevant direction is opened
- 4 To select menu items, cf. 1: turn the controller. The marking moves
- 5 To make adjustments: turn the controller. A graphical display, numerical values or text displays change. The adjustment is applied if you change to another field or into another menu

## Status information



- 1 Manual or automatic air distribution for driver and passenger side
- 2 Display for Entertainment: Radio or CD,  
■ sound output for entertainment off.
- 3 Display for Telephone: "Car Phone", "Portable" or no network
- 3 new entries present in "Missed calls",  
 text message/SMS received,  
 roaming active
- 4 Telephoning and emergency call possible
- 5 Current time

Additional displays:

If information is issued by the Check Control or inputs are made using the voice command system, a text message appears here on the Control Display.

## Assistance window\*



Additional information can be displayed in the assistance window:

- ▷ The computer or the travel computer
- ▷ The travel route in vehicles with navigation system
- ▷ The current position.

To select the display in the assistance window:

1. Move the controller to the right to change to the assistance window and press the controller



2. Select a menu item
3. Press the controller.

## Switching Control Display on/off

To switch off the Control Display:

1. Open the start menu
2. Press the controller to open the menu
3. Select "Display off" and press the controller.  
The status information continues to be displayed.



To switch on the Control Display:  
Press the controller.

# Voice command system\*

## The concept

The voice command system allows you to control operation of various vehicle systems without ever removing your hands from the steering wheel.

Individual menu items on the Control Display can be spoken as commands. Operation via the controller is not required.


The voice command system transforms your oral commands into control signals for the selected systems and provides support in the form of instructions or questions.

The voice command system uses a special hands-free microphone located in the area of the interior rearview mirror, refer to page 14.

## Precondition

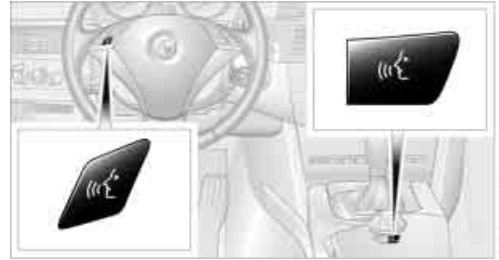
The set language of the Control Center and of the voice command system should match so that the commands to be spoken can be identified more easily. Setting the language of the Control Center, refer to page 73.


## Symbols used

 Indicates voice commands in this Owner's Manual which are to be spoken word for word.


## Voice commands

### Activating voice command system




Briefly press the  button on the steering wheel or in the center console.



 This symbol on the Control Display and an acoustic message indicate that you can enter voice commands.




The text or numbers that the voice command system has registered will appear on the Control Display.

 This symbol appears on the Control Display when you can enter additional voice commands.

If there are no other voice commands, operate the equipment using the Control Center.


## Terminating or canceling voice command system

Press the  button on the steering wheel or in the center console or

 ›Cancel‹.


## Voice commands

To open the start menu:


 ›Main menu‹.

You can have a list of the respectively possible voice commands read off; this list is dependent on the menu item selected on the Control Display.

For example, if you have selected "CD", the possible voice commands for operating the CD player and the CD changer will be read off:


 ›Options‹ or ›Help‹.


There are often a number of commands to run a function, e.g.:

 ›Radio on‹ or ›Switch on radio‹.


With short commands you can carry out certain functions directly, regardless of which menu item is selected, refer to page 200.

## An example: selecting a music track


1. If necessary, switch on sound output for Entertainment
2. Press the  button on the steering wheel or in the center console

 3. ›Entertainment‹.  
The system outputs:  
››Entertainment‹‹




 4. ›CD‹.  
The system outputs:  
››CD‹‹




 5. Select music track, e.g.:  
›Track 1‹.  
The system outputs:  
››Track 1‹‹.



## Notes

 Do not use the voice command system in emergency situations. In stress situations, voice and pitch can change. ◀

 The portable phone can also be operated by voice control, refer to page 153. ◀

For voice commands, bear the following in mind:

- ▷ Issue the commands fluently and at normal volume, avoiding excessive emphasis and pauses
- ▷ Always speak commands with the pronunciation of the voice command system, as otherwise, for example, foreign radio stations will not be understood
- ▷ For entries in the voice-activated phone book, only use names in the language of the voice command system and no abbreviations
- ▷ Keep the doors, windows and glass roof closed to prevent interference from ambient noise
- ▷ Avoid other sources of noise in the vehicle while speaking, and ask other vehicle occupants to refrain from talking while you are using the system.







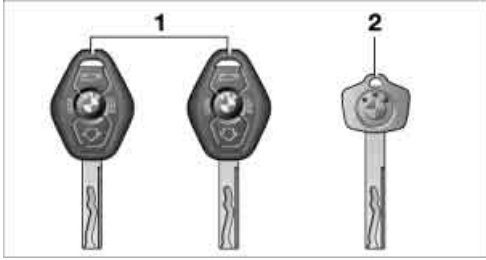


## Controls

This chapter is intended to provide you with information for complete control of your vehicle. Its extensive array of features and accessories, both for driving and for your own safety, comfort and convenience, are described here.

# Opening and closing

## The key set



- 1 Master keys with remote control. They specify the functions of the Key Memory. In the process individual functions of your vehicle can behave differently depending on the key used, see further below.

To differentiate, you can mark the keys with remote controls using the color-coded decals you received on taking delivery of the vehicle



There is an extended-life battery in every master key with remote control which is charged automatically in the ignition lock as you drive. If you have any master keys with remote control that are not used on a regular basis, you should therefore remember to recharge these units by using them to drive the vehicle for an extended period at least every six months, also refer to page 28. ◀

- 2 Spare key for storage in a safe place, such as in your wallet. With this key the locks for the luggage compartment lid and the glove compartment cannot be actuated. This is an advantage in a hotel, for example. The key is not intended for constant use

## Replacement keys

Additional or replacement keys are available at your BMW center.

## Key Memory

### How the system functions

Doubtless you have often reflected on how great it would be if you could configure your vehicle's various adjustment settings to meet your own personal requirements. BMW has designed several freely selectable options into the vehicle during its development. You can set these as desired via the Control Center.

You can have up to four different basic settings adjusted for four different persons for the specific keys. The only requirement is that each person uses his or her own master key with remote control.

When your vehicle is unlocked with the remote control, the vehicle recognizes the individual key by means of a data exchange and makes adjustments accordingly.

### Examples of Key Memory functions

- ▷ Automatic adjustment of the electric driver's seat
- ▷ Locking the vehicle after moving off
- ▷ When unlocking with the remote control, either unlock only the driver's door or the entire vehicle
- ▷ Activating visual warning for PDC Park Distance Control
- ▷ Reset volume setting.

## Central locking system

### The concept

The central locking system is ready for operation whenever the driver's door is closed. This simultaneously engages and releases the locks on the following:

- ▷ Doors
- ▷ Luggage compartment lid
- ▷ Fuel filler door.

The central locking system can be operated from the outside

- ▷ via the remote control
- ▷ via the door lock

and from inside via the button for the central locking system.

When actuated from the inside, the fuel filler door is not locked, refer to page 29.


The anti-theft system is automatically activated whenever you operate the central locking system from outside the vehicle. It prevents the doors from being unlocked using the safety lock buttons or door handles. The alarm system is armed/disarmed at the same time.

In an accident, the central locking system automatically unlocks the vehicle. In addition, the hazard warning flashers and interior lamps come on.


## Opening and closing: from outside

### Using the remote control


When you engage/release the vehicle locks, you also activate/deactivate the anti-theft system, arm/disarm the alarm system, and switch the interior lamps on/off.

 Protect the remote control against unauthorized use by handing over only the spare key, for example when using hotel valet parking. ◀




You can find more detailed information on the alarm system on page 31.

 Because any persons or animals left unattended in a parked vehicle could lock the doors from the inside, you should always keep the remote control with you; this precaution ensures that you will remain able to unlock the vehicle from the outside at all times. ◀

### Unlocking

Use the  button to unlock the vehicle depending on the setting.


Control Center, for principle details, refer to page 16:

1. Open the  menu
2. Select "Vehicle settings" and press the controller
3. Select "Door locks" and press the controller
4. Select "Central locking" and press the controller
5. Select "Unlock button" and press the controller
6. Select a menu item:
  - ▷ "All doors"  
Press the  button once to unlock the entire vehicle
  - ▷ "Driver's door only"  
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



7. Press the controller.  
Depending on which key you have used to open the vehicle, the last adjustment is applied.


### Convenience opening

Press the  button once briefly and then keep it pressed. The windows and the glass roof open.

### Locking and securing


Press the  LOCK button.

### Switching on interior lamps

If the vehicle is locked, press the  LOCK button.


You can also use this function to locate your vehicle in parking garages etc.

## Panic mode\*


By pressing and holding the  button for more than approx. two seconds, you can trigger the alarm system in response to any impending danger.

To switch off the alarm: press any of the buttons.

## Opening luggage compartment lid

Briefly press the  button.

The luggage compartment lid opens, regardless of whether it was previously locked or unlocked.

 During opening, the luggage compartment lid pivots upward and to the rear. Ensure that adequate clearance is available before opening. A previously locked luggage compartment lid is also locked again after closing. ◀


## Setting confirmation signals

You can have unlocking or locking the vehicle confirmed.

Control Center, for principle details, refer to page 16:

1. Open the **i** menu
2. Select "Vehicle settings" and press the controller
3. Select "Door locks" and press the controller
4. Select "Confirmation" and press the controller
5. Select the desired signal



6. Press the controller.  The signals are switched on.

## Malfunction

The remote control can be subjected to malfunctions by local radio waves.

Should the remote control fail to operate owing to interference of this kind, unlock and lock the vehicle via the door lock using the master key.

If it is no longer possible to lock the vehicle via the remote control, the battery is discharged. Use this remote control during an extended drive; this will recharge the battery, refer to page 26.

## For US owners only


The transmitter and receiver units comply with part 15 of the FCC/Federal Communication Commission regulations. Operation is governed by the following:

FCC ID: LX8766S  
LX8766E  
LX8CAS

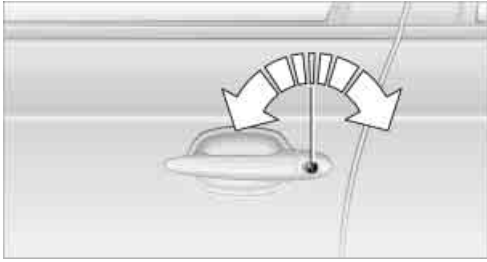
Compliance statement:

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

- ▷ This device may 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 door lock




One turn of the key in the driver's door lock unlocks the driver's door only. Turning the key a second time unlocks all of the remaining doors, the luggage compartment lid and the fuel filler door.

## Convenience operation

You also have the option of operating the windows and the glass roof from the driver's door lock.

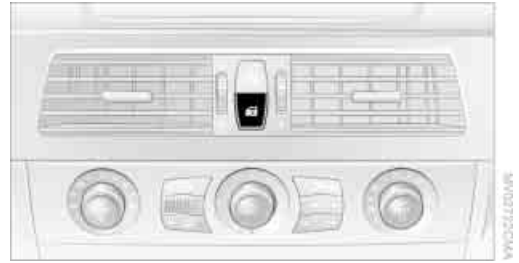
- ▷ To open:  
With the door closed, turn the key to the unlock position and hold it there
- ▷ To close:  
With the door closed, turn the key to the lock position and hold it there.

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

## Manual operation

If an electrical malfunction occurs, you can unlock or lock the driver's door with the key in the end positions of the door lock.

## Opening and closing: from inside



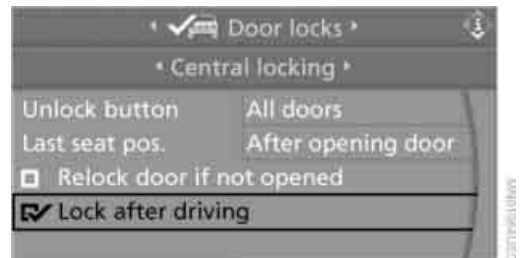
You can operate the central locking system with this button when the front doors are closed. This only unlocks or locks the doors and luggage compartment lid, but not secured. Also, the fuel filler door remains unlocked to allow refueling.

You can also make the following settings:

- ▷ The central locking system automatically locks the vehicle as soon as you drive off
- ▷ The central locking system automatically locks the vehicle after a short time when no door has been opened.

Control Center, for principle details, refer to page 16:

1. Open the **i** menu
2. Select "Vehicle settings" and press the controller
3. Select "Door locks" and press the controller
4. Select "Central locking" and press the controller
5. Select "Lock after driving"  
or  
"Relock door if not opened"



6. Press the controller.
  - ☑ The setting is selected.


Depending on which key you have used to open the vehicle, the last adjustment is applied.

## Unlocking and opening doors


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

## Locking

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

 Because any persons or animals left unattended in a parked vehicle could lock the doors from the inside, you should always keep the remote control with you; this precaution ensures that you will remain able to unlock the vehicle from the outside at all times. ◀

## Luggage compartment lid

 During opening, the luggage compartment lid pivots upward and to the rear. Ensure that adequate clearance is available before opening. ◀

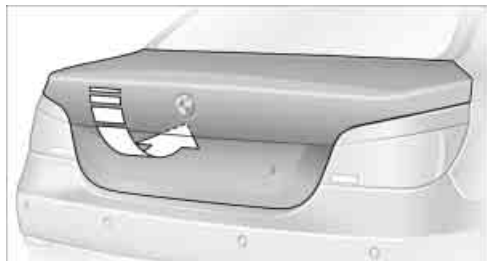
## Opening from inside



Press button.

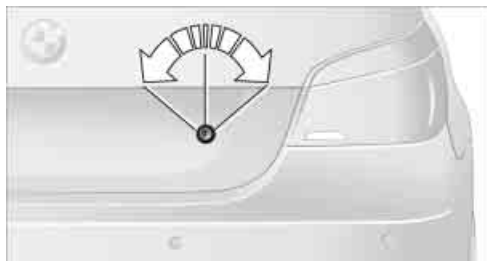
The luggage compartment lid opens unless it has been secured.

## Opening from outside



Press button.

The luggage compartment lid opens.



Only the master keys with remote control, refer to page 26, match the luggage compartment lock.

## Securing separately


Turn the master key with remote control in the lock of the luggage compartment lid beyond a resistance point to the right and withdraw it from a horizontal position.



This locks the luggage compartment lid and disconnects it from the central locking system. If you then only hand over the spare key, refer to page 26, no access is possible via the luggage compartment lid. This is an advantage in a hotel, for example.

## Unlocking again and opening manually

Turn the master key to the left as far as it will go: the luggage compartment lid opens.

 If you use the key to unlock the luggage compartment lid while the alarm system is armed, the alarm will be triggered. Switching off the alarm, refer to page 32. ◀

## Emergency release




This lever releases the luggage compartment lid from inside the luggage compartment.

## Closing



The handle recesses on the interior trim of the luggage compartment lid make it easier to pull down.

 Make sure that the closing path of the luggage compartment lid is clear, as otherwise injuries may result. Operate the vehicle only when the luggage compartment lid is completely closed. Otherwise, exhaust fumes could penetrate the interior of the vehicle. ◀

If special circumstances should make it absolutely necessary to operate the vehicle with the luggage compartment lid open:

1. Close all windows and the glass roof
2. Increase the air volume of the automatic climate control to a high level, refer to page 90.

## Alarm system

### The concept

The vehicle alarm system responds:

- ▷ When a door, the hood, or the luggage compartment lid is opened
- ▷ To movement in the vehicle interior: interior motion sensor
- ▷ To changing the vehicle's tilt if someone attempts to steal the wheels or tow the vehicle
- ▷ To interruption of battery voltage.


The system responds to unauthorized vehicle entry and attempted theft by simultaneously activating:

- ▷ An acoustic alarm, which lasts for a period of approx. 30 seconds
- ▷ The hazard warning flashers for approx. 5 minutes
- ▷ The high beams, which flash on and off in the same rhythm.

### Arming and disarming alarm system

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.

The system indicates that it has been correctly armed by switching on the hazard warning flashers for a single cycle and by emitting an acoustic signal.

You can also open the luggage compartment lid with the system armed using the  button on the remote control, refer to page 28. When you close the luggage compartment lid, it is secured again.

## Switching off alarm

- ▷ Unlock the vehicle using the remote control, refer to page 27
- ▷ or turn the ignition key to position 1.

## Indicator lamp displays



- ▷ The indicator lamp beneath the interior rearview mirror flashes continuously: the system is armed
- ▷ The indicator lamp flashes during locking: doors or luggage compartment lid 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 on unlocking: no manipulation or attempted intrusions have been detected in the period since the system was armed
- ▷ The indicator lamp flashes after unlocking until the key is inserted in the ignition lock, but for approx. 5 minutes at the most: your vehicle has been manipulated in the meantime.

Following triggering of an alarm, the indicator lamp will flash continuously.

## Tilt alarm sensor and interior motion sensor

### Tilt alarm sensor

The tilt of the vehicle is monitored. The alarm system reacts, e.g. in case of an attempted wheel theft or towing.

### Interior motion sensor


In order for the interior motion sensor to function properly, the windows and glass roof 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 once again directly after locking.

The indicator lamp lights up briefly and then flashes continuously. The tilt alarm sensor and the interior motion sensor are switched off up to the next unlocking and locking actions.

## Windows

 To prevent injuries, exercise care when closing the windows and keep them in your field of vision until they are shut.

When leaving the vehicle, always remove the ignition key and close the doors to prevent children from operating the windows and injuring themselves etc. ◀

## Opening and closing windows



Ignition key as of position 1:

- ▶ Press the switch up to the resistance point:  
The window continues to move downward as long as you continue to hold the switch
- ▶ Briefly press the switch beyond the resistance point:  
The window moves downward automatically. Press the switch again to stop the opening movement.

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

### After switching off ignition


You can still operate the windows:

- ▶ Ignition key in position 1 for approx. 15 minutes
- ▶ In position 0 or with the ignition key removed for approx. 1 minute, as long as a front door has not been opened.

For information on using the convenience operation at the door lock or with the remote control, refer to page 27 or 29.

### Anti-trapping mechanism

If the closing force rises beyond a pre-defined threshold during closing, the system will immediately stop moving the window prior to lowering it slightly.


 Despite the anti-trapping mechanism, you should always inspect the window's travel path prior to closing it, as the safety feature might fail to detect certain kinds of obstructions, such as very 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. Under these conditions the window will respond to forces beyond a defined threshold by only opening several inches/millimeters. If you again pull the switch past the resistance point and hold it in position within a period of roughly 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. The indicator lamp lights up when this safety feature is activated.

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

### Accessories in window area

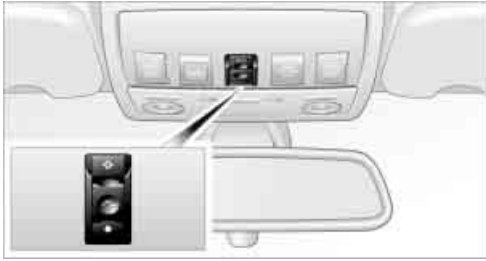
After installing any accessory – such as a clamp-on antenna for a portable phone – within the window's travel range, you will need to have the system reinitialized for use under the new conditions. Please contact your BMW center for assistance.

### Glass roof, electrical\*

 To prevent injuries, exercise care when closing the glass roof and keep it in your field of vision until it is shut. When leaving the vehicle, always remove the ignition key and close the doors to pre-

vent children from operating the roof and injuring themselves etc. ◀

## Raising, opening, closing



As of ignition key position 1, press the switch, or slide it in the desired direction up to the resistance point.

The headliner insert slides back somewhat when you raise the glass roof. When the glass roof is opened the headliner retracts with it.

**⚠** Do not use force to close the headliner insert with the glass roof in its raised position, as damage to the mechanism could result. ◀

For information on using the convenience operation at the door lock or with the remote control, refer to page 27 or 29.

## After switching off ignition

You can still operate the roof:

- ▷ Ignition key in position 1 for approx. 15 minutes
- ▷ In position 0 or with the ignition key removed for approx. 1 minute, as long as a front door has not been opened.

## Automatic\* opening and closing

Briefly press the switch past the resistance point.

In addition, the following movements are also automatic:

- ▷ With the glass roof open, briefly press the switch towards 'Raise': the glass roof moves to the end position of 'Raise'

- ▷ With the glass roof raised, briefly press the switch towards 'Open': the glass roof moves to the end position of 'Open'.

Briefly pressing the switch again stops the motion.

## Anti-trapping mechanism

If the glass roof encounters resistance when closing from roughly the center of the roof opening or when closing from the raised position, the closing action is interrupted and the glass roof reopens a little.

**⚠** Despite the anti-trapping mechanism inspect the roof's travel path prior to closing it, as the safety system might fail to detect certain kinds of obstructions, such as very thin objects, and the roof would continue closing.

Pressing the switch beyond the resistance point and holding it limits the response of the anti-trapping mechanism. The glass roof only opens a short distance.

If you again press the switch past the resistance point and hold it in position within a period of roughly 2 seconds, the safety feature is deactivated. ◀

**▷** When you close the glass roof, it will slow down as it approaches the end of its travel path; this is to allow the anti-trapping mechanism to respond more precisely to any obstructions encountered in this critical range. ◀

## Following interruptions in electrical power supply

Following interruptions in electrical power, for instance, when the battery is disconnected, it is possible that the glass roof will extend to its tilt-up position, but fail to respond to other commands. The system must be initialized. Should this occur, please have the glass roof reinitialized at your BMW center.

## Manual operation

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

1. Lower the cover downwards, if necessary using the screwdriver from the onboard tool kit at the positions indicated, refer to page 181



2. Insert the Allen wrench supplied with the onboard tool kit, refer to page 181, in the opening provided
3. Turn the Allen wrench to move the glass roof in the desired direction. Direction of rotation for closing, refer to arrow.




# Adjustments

## Sitting safely

The ideal sitting position can make a vital contribution to relaxed, fatigue-free driving. The sitting position of the occupants also plays an important role for passive safety together with the safety belts and airbags in 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 45.

## Sitting safely with airbags

 Always maintain an adequate distance between yourself and the airbags. Always hold the steering wheel by its rim with hands at the 9 o'clock and 3 o'clock positions, to minimize the risk of injuries to your hands and arms in the event of airbag deployment.

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 and does not rest feet or legs on the instrument panel, otherwise leg injuries can occur if the knee and front airbag are triggered.


Never let an occupant's head rest near or on a side airbag because the inflating airbag could cause a serious or fatal injury. ◀

Even if you adhere to 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 81.

## Sitting safely with safety belts

Fasten your safety belt before starting any trip. Airbags complement the safety belt as an additional safety device, but they do not represent a substitute.

 At all times, occupants should sit upright and be properly restrained – infants and small children in appropriate child-restraint systems; larger children and adults using the safety belts.


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 always wear their safety belts, taking care to position the lap belt against the lower hips, where it will not exert pressure against the abdominal area.

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. Avoid twisting the belt while routing it firmly across the hips and shoulder. Do not allow the belt to rest against hard or fragile objects. Otherwise, in the event of a frontal impact, a loose lap belt could slide over your hips, leading to abdominal injury. Avoid wearing clothing that prevents the belt from fitting properly and pull the lap belt periodically to readjust the tension across your shoulder in order to avoid a reduction in the retention effect of the safety belt. ◀

For instructions on operating safety belts, refer to page 40.

## Seats


### Note before adjusting

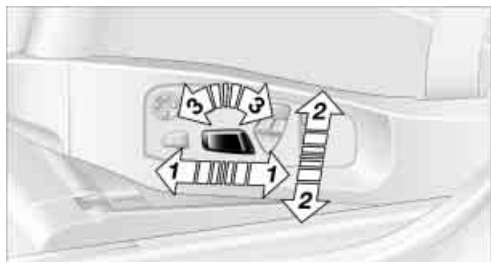
 Never attempt to adjust your seat while the vehicle is moving. The seat could respond with unexpected movement, and the ensuing loss of vehicle control could lead to an accident. Also on the passenger's side, do not incline

the backrest too far to the rear while the vehicle is being driven, as 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. ◀

Please observe the information on Damage to safety belts provided on page 41 and the information on the active head restraints on page 40.

## Seat adjustment

 To ensure that the safety systems continue to provide optimized protection, please observe the adjustment instructions on page 36. ◀



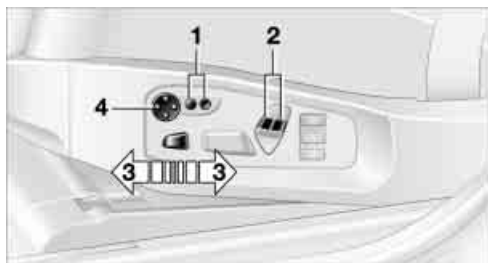
- 1 Longitudinal direction
- 2 Height
- 3 Angle




- 4 Backrest

### Adjusting comfort seat\*

In addition to the power seat functions, several other adjustment options are available with the comfort seat:



- 1 **Backrest width**  
By adjusting the backrest width, you can increase or reduce lateral support
- 2 **Shoulder support**  
You can use the adjustable upper backrest for supplementary support in the shoulder region. This provides a relaxed driving position and helps relieve stress on the shoulder muscles  
 Make corrections in the forward/backward adjustment of the seat to ensure that the safety belt still fits firmly against your body. If you do not do this, the protection provided by the safety belt may be reduced. ◀
- 3 **Thigh support**  
Adjust the thigh support until the ideal support is provided for the thigh
- 4 **Lumbar support**  
See below

### Adjusting sports seat\*

In addition to the seat cushion, on the sports seat you can adjust the thigh support 3, see above.

### Easy entry/exit\*

The backrest width automatically moves as high up and far forward as possible to ease driver entry and exit before then returning to the standard or stored memory setting.

This automatic feature is governed by the driver's door and the ignition switch.



### Adjusting lumbar support\*

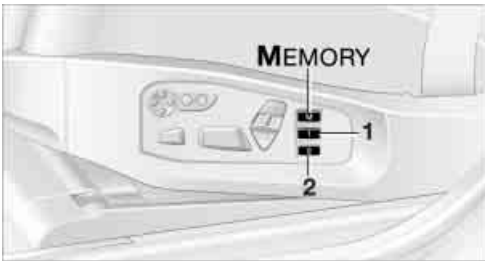


You can also adjust the contour of the backrest to obtain additional support in the lumbar region.

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

- ▷ Press at the front/rear to strengthen or weaken the curvature
- ▷ Press the upper/lower end to move the curvature upward or downward.

### Seat, mirror and steering wheel memory\*



You can store and select two different adjustment settings for the driver's seat, exterior mirrors and steering wheel.

The adjustment of the lumbar support is not stored in the memory.

#### Storing

1. Turn the ignition key to position 1 or 2
2. Set the desired seat, exterior mirror and steering-wheel positions

3. Press the **MEMORY** button:  
The indicator lamp in the button lights up
4. Press the desired memory button **1** or **2**:  
The indicator lamp goes out.

#### Calling automatically

You have two options:

- ▷ Calling with vehicle unlocking
- ▷ Calling when opening the driver's door.

If you want the respective last driver's seat, exterior mirror and steering wheel position to be called, proceed as follows.

Control Center, for principle details, refer to page 16:

1. Open the **i** menu
2. Select "Vehicle settings" and press the controller
3. Select "Door locks" and press the controller
4. Select "Central locking" and press the controller
5. Select "Last seat pos." and press the controller
6. Select "After unlocking" or "After opening door"




7. Press the controller.

**⚠** When using this feature, always make sure that the footwell behind the driver's seat is empty and unobstructed. If you fail to do so, any persons or objects behind the seat could be injured or damaged by a rearward movement of the seat. ◀



## Calling manually

 Do not call up a position from the memory while the vehicle is moving. There is a risk of accident from unexpected movement of the seat or steering wheel. ◀

## Convenience mode

1. Open the driver's door after unlocking or turn the ignition key to position 1
2. Briefly press the desired memory button **1** or **2**.

The system immediately cancels the adjustment procedure when you press one of the seat adjustment buttons or use one of the memory buttons.

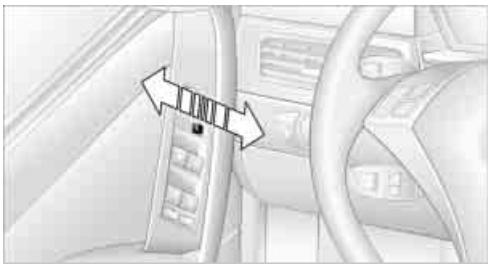
## Safety feature

1. Close the driver's door and turn the ignition key to position 0 or 2
2. Press the desired memory button **1** or **2** and maintain pressure until the adjustment process has been completed.

If the **MEMORY** button is pressed accidentally:

Press the button a second time, the indicator lamp goes out.

## Passenger-side exterior mirror tilt function\*



Automatic curb monitor

## Activating


1. Select the driver's mirror with the mirror selector switch
2. When you engage reverse gear or selector-lever position R, the exterior mirror on the front passenger side tilts downward slightly. This allows the

driver to see the area immediately adjacent to the vehicle – such as a curb – when parking, etc.

## Deactivating

Push the mirror selector switch into the passenger's mirror position.

## Head restraints

 Head restraints reduce the risk of spinal injury in the event of an accident. Adjust the head restraints so that they are centered roughly at the level of your ears. ◀

### Front seats: adjusting height

You can adjust the height of the head restraints electrically.



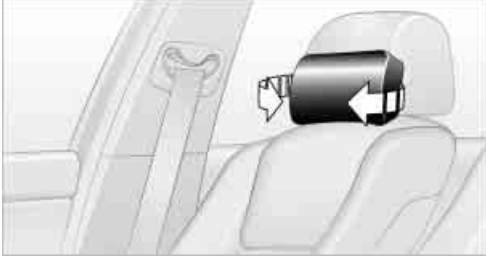
### Front seats: adjusting angle

Swivel the head restraint.

With the comfort seat, you use the shoulder support to set the distance to the back of the head.

## Comfort seat

### Adjusting side extensions




You can fold the side extensions on the head restraint forward for increased lateral support.

### Front head restraints, active\*

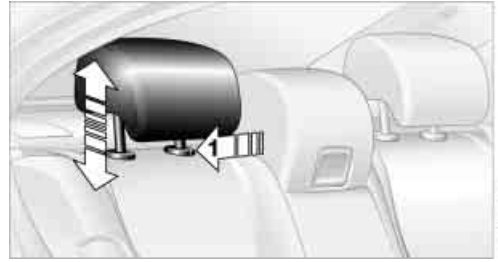
The comfort seats are equipped with an active head restraint.

When necessary, the system will respond to a rear impact by automatically triggering the active head restraints.

 To ensure that the active head restraints afford maximum protection, and to avoid unnecessary risks to personal safety, we request that you read and comply with the following:

- ▷ Adjust the head restraints so that they are centered roughly at the level of your ears
- ▷ Do not install seat or head-restraint covers
- ▷ Never use the head restraints as supports for suspending objects of any kind, such as clothes hangers. Refrain from mounting accessories on either the seat or the head restraint. ◀

## Rear seats: adjusting height



- ▷ Upwards: by pulling
- ▷ Downwards: press the button, arrow **1**, and press the head restraint downwards.

## Safety belts

Fasten your safety belt before starting any trip. Airbags complement the safety belt as an additional safety device, but they do not represent a substitute.



### Fastening


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



Please fasten safety belts warning lamp:  
Lights up until the driver and front

passenger have fastened their safety belts. Depending on the model, a signal\* sounds or a message\* appears on the Control Display at the same time.

The warning is also issued when the driver or front passenger removes his or her safety belt while driving.

 The warning can also be issued when objects are laid on the front passenger seat. ◀


## Releasing

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

The shoulder strap's anchorage point will be in the correct position for adult seat occupants of every build if the seat is correctly adjusted, refer to page 36.

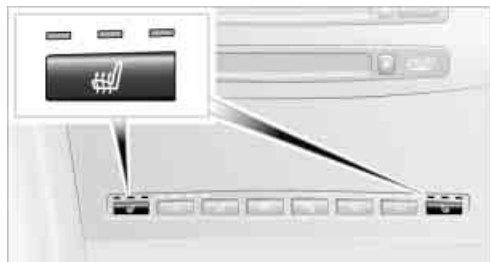
The two rear safety belt buckles integrated in the rear seat are for passengers sitting on the left and right. The belt buckle embossed with the word CENTER is intended exclusively for use by passengers riding in the center position.

## Damage to safety belts

 If the safety belts are damaged or stretched in an accident: have the entire belt system, including the tensioning mechanisms, replaced at your BMW center. Have the belt anchorage points inspected for damage at the same time. Failure to observe this precaution may prevent the safety belts from effectively providing optimal protection when needed. ◀

## Heated seats\*

### Front



The system regulates the temperatures of the seat cushion and backrest.

The temperature setting progresses one step through its control sequence each time you press the button.

To switch off:

Maintain pressure on the button for several seconds.

### Rear



The operating concept is the same as for the front heated seats.

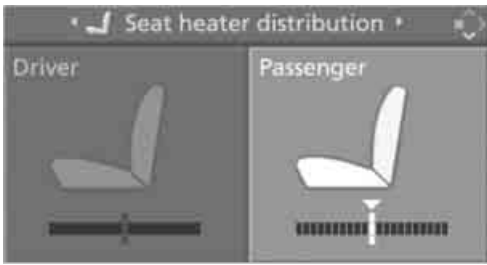
## Temperature distribution at the front

It is possible to select a temperature-distribution pattern, providing different levels of heating for the seat cushion and the backrest according to your wishes.

Control Center, for principle details, refer to page 16:

Ignition key in position 2:

1. Open "Climate"
2. Select "Seat heater distribution" and press the controller



3. Move the controller to the left or right to select "Driver" or "Passenger"
4. Turn the controller. The adjustment is applied; the field can be changed.

## Active seat ventilation\*



The system progresses one step through the control sequence each time you press the button.

To switch off:

Maintain pressure on the button for several seconds.

- ▶ Use level 3 to cool the passenger compartment rapidly, for instance, when heat accumulates in the vehicle. After a short time, there is an automatic return to level 2 to prevent undercooling of the occupant's back. ◀

## Active seat\*



The seat cushion is actively varied by alternately raising and lowering the right and left half of the seat cushion. This reduces muscular tension and fatigue to help prevent lower back pain.

To activate, press the button; the indicator lamp lights up.

If you switch off the active seat, it can take up to 1 minute before the two halves of the seat cushion have returned to their initial position.

## Mirrors

### Adjusting exterior mirrors




Arm rest in the driver's door:

- 1 4-way adjustment
- 2 To select mirror for adjustment

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

You can also adjust the mirrors manually if necessary by pressing against the outer edges of their lenses.

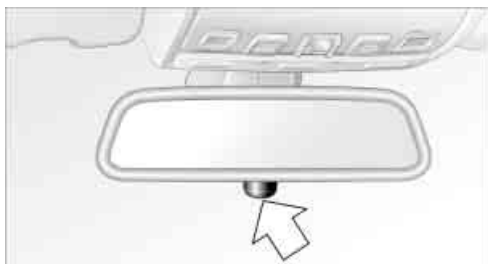
Storing the mirror positions, refer to Seat, mirror and steering wheel memory on page 38.

 The mirror on the passenger's side features a lens with a more convex surface than the mirror installed on the driver's side. When estimating the distance between yourself and other traffic, bear in mind that the objects reflected in the mirror are closer than they appear. This means that estimations of the distance to following traffic should not be regarded as precise. ◀

### Self-defrosting mirrors

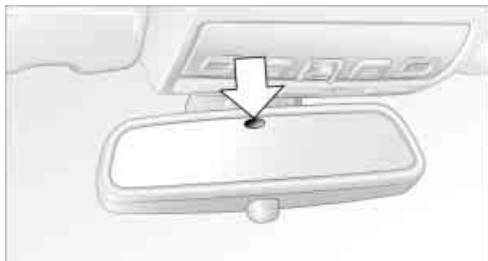
Both exterior mirrors are automatically heated in ignition key position 2.

### Interior rearview mirror



To reduce the dazzle effect of following vehicles at night, turn the knob.


### Interior and exterior mirrors, automatic dimming feature\*

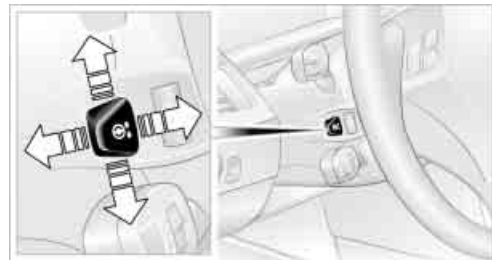


These mirrors dim steplessly during forward driving when struck by light. There are two photocells located in the interior rearview mirror for this purpose. One is integrated within the mirror's lens, while the other is located at an offset position on the rear of the mirror housing.

For trouble-free operation, keep the photocells clean and do not cover the area between the interior rearview mirror and the windshield. Do not attach any kind of stickers on the windshield in front of the mirror, either.

## Steering wheel adjustment

 Do not adjust the steering wheel while the vehicle is moving. There is a risk of accident from unexpected movement. ◀



The steering wheel can be adjusted in four directions.

Storing steering wheel positions, refer to Seat, mirror and steering wheel memory on page 38.

### Automatic steering wheel adjustment

In conjunction with seat, mirror and steering wheel memory:

The steering wheel automatically moves as high up and far forward as possible to ease driver entry and exit before then returning to the standard position or stored memory setting.

This automatic feature is governed by the driver's door and the ignition switch.

## Steering wheel heater\*



Press the button with the ignition key in position 2.

The indicator lamp within the button lights up when the steering wheel heater is in operation.

## Programming button function

Depending on your vehicle's equipment, an individual function can be assigned to each of the two programmable function buttons in the steering wheel.



Control Center, for principle details, refer to page 16:

1. Open the **i** menu
2. Select "Vehicle settings" and press the controller
3. Select "Steering wheel buttons" and press the controller.

A list with different functions is displayed:

- ▷ "Navigation"  
Voice instructions for the navigation system
- ▷ "Air recirculation on / off"  
In this mode, you can block the supply of outside air, refer to AUC Automatic recirculated-air control on page 90
- ▷ "Mute on / off"  
Mutes the audio sources
- ▷ "Screen on / off"  
Switches the Control Display on/off

- ▷ "Short cut / Telephone"  
Display/hide phone book
- ▷ "Next entertainment source"  
Changes audio source

4. Select the desired function



5. Press the controller
6. Select button if necessary



7. Press the controller.

The last setting is applied depending on which key you have opened the vehicle with.

You can operate the selected function using the corresponding button.

## Operating function

Briefly press the corresponding button on the steering wheel.

Voice instructions of navigation system:

- ▷ Switch voice instructions on/off:  
Press button for longer
- ▷ Repeat last voice instruction:  
Briefly press button
- ▷ Cancel voice instructions to ensure that, for example, messages or traffic announcements are not interrupted by a navigation instruction:  
Press the button briefly during an instruction.


# Transporting children safely

## The right place for children

### Children always in the rear

Accident research shows that the safest place for children in a vehicle is in the rear seat.


Older children should be tightly secured with a safety belt, after they have outgrown a booster seat that is appropriate for their age, height and weight.

 A child sitting in the rear seat and not properly restrained may place his or her head on or near the airbag, if so equipped. For example, a child, even though belted, may fall asleep with his or her head against the side airbag. It may be difficult for a driver to ensure that children in the rear seat will remain properly positioned at all times and do not place their heads on or near the side airbag. Therefore, we recommend that the rear seat side airbags, if provided, be deactivated if you plan to transport children in the rear seat. ◀

### Deactivating rear seat side airbags

The rear seat side airbags may already have been deactivated by a BMW center. Labels in the rear door opening should indicate the status of your rear seat side airbags. If you are uncertain of their status, or wish to have the airbags activated or deactivated, please contact your BMW center.

### Child-restraint system in the rear


 Children under 13 years of age and children less than 5 ft/150 cm tall should always ride in the rear and the restraint systems should be secured with the vehicle's safety belts. ◀


Younger children should be secured in an appropriate forward-facing child-restraint system that has first been properly restrained. We strongly urge you to carefully read and comply with the instructions

for installation and use provided by the child-restraint's manufacturer whenever you use such a device.

All rear sitting positions in your vehicle meet the recommendations of SAE J1819, an industry-recommended practice for securing 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's seat, the airbags on the front passenger side must be deactivated. Otherwise, there is a considerable risk of injury for children when the airbags are triggered, even with a child restraint system. Your BMW center will be glad to advise you. ◀

 Never install a rearward-facing child-restraint system in the front passenger seat of this vehicle if the passenger's airbag is not deactivated. If you do so, the child could be severely injured when the airbag is triggered.

Your vehicle is equipped with an airbag supplemental restraint system for the front passenger. Because the backrest on any rearward-facing child-restraint system – of the kind designed for infants under 1 year and 20 lbs./9 kg – would be within the airbag's deployment range, you should never mount such a system in the front passenger seat, since the impact of the airbag against the child restraint's backrest could lead to serious or fatal injuries. ◀

More information on automatic deactivation of the front passenger airbags, refer to page 82.



## Installing child-restraint systems

Before installing any child-restraint system or child seat, read the following:

**⚠** Observe the child-restraint system manufacturer's instructions for installation and use. Otherwise the degree of protection can be reduced. After an accident, have all parts of the child-restraint system and of the relevant vehicle safety belt system checked by a BMW center and replaced if necessary. ◀

Commercially-available child-restraint systems are designed to be secured with a lap belt or with the lap belt portion of a combination lap/shoulder belt. Improperly or inadequately installed restraint systems can increase the risk of injury to children. Always read and follow the instructions that come with the system.

### Child seat security



All of the rear belt retractors and the front passenger's safety belt can be locked for mounting and securing child-restraint systems.

Information regarding this is located near the buckle latch of each safety belt.

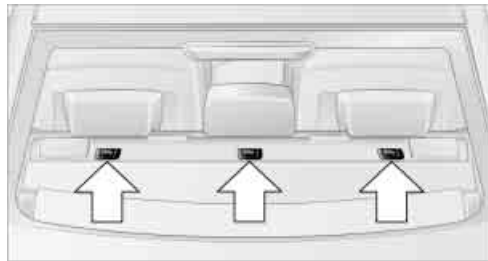
### To lock safety belt

Pull the entire length of the belt from the belt retractor. Allow the reel to retract the belt somewhat and engage the buckle, then tighten the belt against the child-restraint system. The retraction mechanism is now locked.

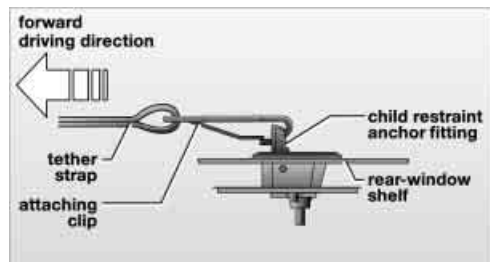
### To unlock safety belt

Release the buckle, remove the child-restraint system and allow the belt retractor to reel the belt completely in.

### Child-restraint system with tether strap



If you use a child-restraint system with a tether strap, three additional tether anchorage points have been provided, refer to the arrows in the illustration. Depending on the location selected for sitting in the rear passenger area, attach the tether strap to the corresponding anchorage point to secure the child-restraint system, as shown in the illustration below.



Each sitting position is fitted with a head restraint.


Outer sitting positions:

Lift the head restraint and pass the tether strap between the head restraint and the seat back. It is recommended to readjust the head restraint into the lowest possible position.

Center sitting position:

Pull the center armrest forward somewhat to guide the tether strap through the opening. Then reengage the center armrest.




 Adjust the tether strap according to the child-restraint manufacturer's instructions. ◀

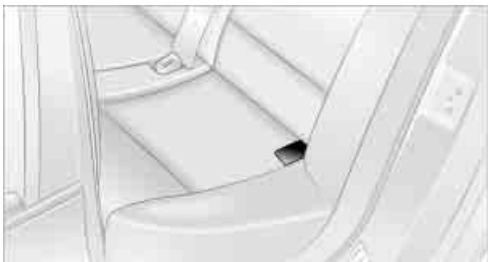
## LATCH child-restraint fixing

LATCH: Lower Anchor and Tethers for Children.

The rear outer sitting positions are provided with anchors for a LATCH child-restraint fixing.

 To fit the LATCH child-restraint fixing, follow the operating and safety instructions of the manufacturer. ◀

## Access to anchorage points on basic seat




The illustration shows the left rear seat as an example. The outer anchorage points for the LATCH child-restraint fixing are identified by flags.



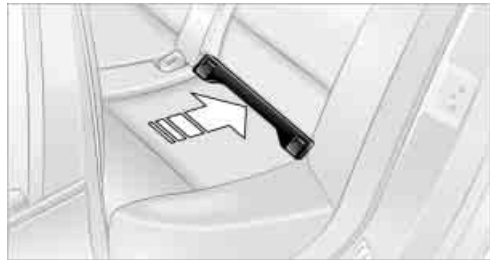
Canadian models only:  
The anchorage points for the LATCH child-restraint fixing are identified by buttons.

## Installation guide

The installation guide makes it easier to fit the LATCH child-restraint fixing and at the same time protects the surface of the seats.

 The installation guide is available at your BMW center. Always observe all related instructions for installation and use provided by the manufacturer. ◀

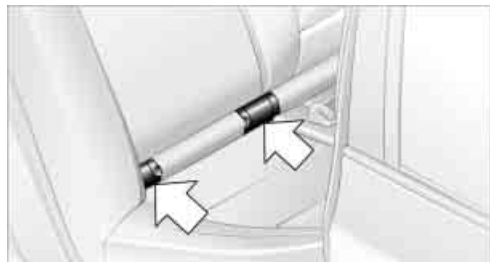
1. Snap the center safety belt into the belt buckle
2. Pull the belt away from the area of the child seat fixing



3. Firmly press the installation guide into the gap between the upholstery on seat and backrest, continuing until the two funnel-shaped guides snap into place in the LATCH support braces in the seat.

Pull the installation guides to remove.

## Access to anchorage points on rear seat with through-loading system




The illustration shows the right rear seat as an example.

The anchorage points for the LATCH child-restraint fixing are located behind the protective caps.

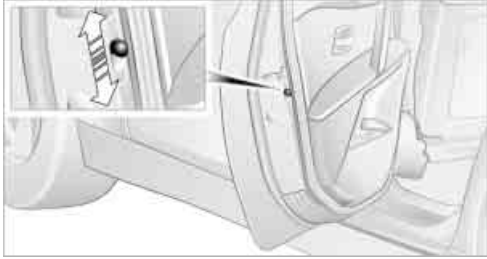
Before fitting the child-restraint fixing, remove the LATCH protective caps.

1. Snap the center safety belt into the belt buckle
2. Pull the belt away from the area of the child-restraint fixing.

## On journeys

 If side airbags are fitted in the rear, make sure that children do not lean out of the child's seat towards the door panels. Otherwise severe injuries can be caused if the side airbags are triggered. ◀

### Child-safety locks for rear doors



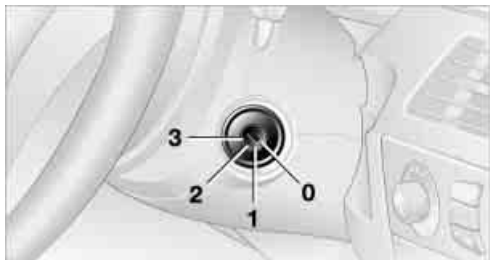
Slide down the safety lever on the rear doors:

The door can now be opened from the outside only.

### Safety switch for power windows

Always press the safety switch for the power windows, refer to page 33, when children are in the rear of the vehicle.

## Ignition lock



### 0 Steering locked

The key can only be inserted or removed in this position.

After removing the key, turn the steering wheel slightly until it locks.

### Interlock on automatic transmission

- ▷ Only move the selector lever from position P with the engine running
- ▷ To turn the key back to position 0 or to remove it, first place the selector lever in position P.

### 1 Steering unlocked


A slight steering wheel movement often makes it easier to turn the key from 0 to 1. Individual current consumers are ready for operation.

### 2 Ignition switched on

All vehicle systems are ready for operation.

### 3 Start engine

## Starting engine

 Do not run the engine in closed rooms, as 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, as such a vehicle represents a potential safety hazard.

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


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.

## Special starting conditions


Press the accelerator pedal halfway down when starting if

- ▷ the engine fails to start on the first attempt, for instance, if it is very hot or cold
- ▷ the engine is started at very low temperatures, below approx. +5 °F / -15 °C, at high altitudes, over 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. ◀

## Manual transmission

1. Apply the handbrake
2. Gearshift lever in idle position
3. Press the clutch pedal

 If the clutch pedal is not depressed, the engine will not start. ◀


4. Start the engine.  
Do not end the starting procedure too early, however after approx. 20 seconds at the latest. Release the ignition key immediately as soon as the engine starts.

## SMG Sequential manual transmission and automatic transmission

Your BMW is equipped with the convenience starting feature. Here, it is sufficient to turn the ignition key only briefly to position 3 'Start engine' and to let go of it right away. The system responds by automatically engaging the starter for a certain period and allowing it to run until the engine starts, after which it then disengages automatically.

### SMG Sequential manual transmission


1. Press the brake pedal
2. Engage selector-lever position N
3. Start the engine.

 If the engine does not start, engage the last gear selected, refer to Instrument cluster display, and engage selector-lever position N. ◀

### Automatic transmission

1. Press the brake pedal
2. Engage selector-lever position P or N
3. Start the engine.

## Switching off engine

 Do not remove the ignition key while the vehicle is rolling, as otherwise the steering wheel lock would engage while steering.

When leaving the vehicle, remove the ignition key and lock the steering.

When parking on a downhill incline, apply the handbrake, as otherwise the vehicle could roll away. ◀

### Manual transmission

1. Turn the ignition key to position 1 or 0
2. Engage first or reverse gear.

## SMG Sequential manual transmission

1. Engage a drive position
2. Turn the ignition key to position 1 or 0. A signal sounds if the idle position is engaged on stopping the engine.


### Automatic transmission


1. Engage selector-lever position P
2. Turn the ignition key to position 1 or 0.

## Handbrake

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

### Indicator lamp

 The indicator lamp lights up, and an acoustic signal also sounds when starting off. The handbrake is applied.

 Indicator lamp for Canadian models.


### Applying

The lever locks into place automatically; the indicator lamp in the instrument cluster lights up as of ignition key position 1.



### Releasing

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


 If exceptional circumstances should make it necessary to apply the handbrake while the vehicle is in motion, do not pull it too strongly. In doing so, continu-

ously press the button of the handbrake lever.

Strong application of the handbrake can lead to overbraking of the rear axle and associated 'fishtailing' of the vehicle rear end.


The brake lamps do not light up when the handbrake is applied.

Vehicles with manual or SMG transmission: When parking on inclines, apply the handbrake, as even engaging the first or reverse gear might not under certain circumstances secure the vehicle against moving. Vehicles with automatic transmission: Engage selector-lever position P. ◀

 To prevent corrosion and one-sided braking action, occasionally apply the handbrake lightly when the vehicle is slowly coming to a standstill if the traffic conditions are suitable. ◀

## Manual transmission



 While shifting gear in the 5th/6th gear level, make sure that you press the gearshift lever to the right to prevent inadvertently selecting a gear in the 3rd/4th gear level.

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

## Reverse gear

Select only when the vehicle is stationary. When pressing the gearshift lever to the left, overcome some resistance.

The backup lamps automatically switch on in ignition key position 2.

## SMG Sequential manual transmission\*

### The concept

The SMG Sequential manual transmission is an automated manual transmission in which an electro-hydraulic system handles the clutching and gear changes.

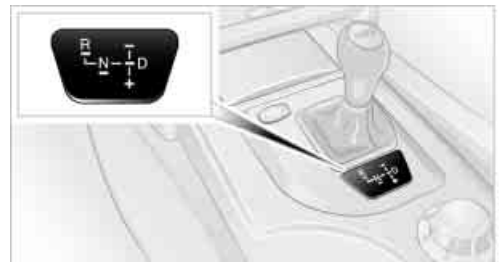
You operate the SMG using the selector lever in the center console and two shift paddles on the steering wheel.

It offers you the following functions:

- ▷ Either manual or automatic operation: sequential mode or Drive mode
- ▷ Choice between two drive programs: Normal or Sport, refer to page 54
- ▷ Protection against incorrect gearshifts and automatic shift down at minimum engine speed, also in the Sequential mode
- ▷ Kickdown function in the Drive mode
- ▷ Acceleration Assistant, refer to page 55.


The SMG is operational in ignition key position 2.

### Selector-lever positions



The current selector-lever position is displayed on the center console.

- ▷ R: Reverse gear
- ▷ N: Neutral, idle
- ▷ One-touch functions for the sequential mode
  - + : manual upshifting
  - : manual downshifting
- ▷ D: Drive mode.

 N is automatically engaged if the driver's door is opened with the engine running and neither pedals, shift paddles nor the selector lever are operated.

This is indicated by an acoustic signal and the flashing display N in the instrument cluster. ◀

## Gear display



R N 1 to 6

The currently engaged gear is displayed, in the Drive mode preceded by a D.

## Shiftlock

Press the brake pedal before shifting out of N; the shift command will not be executed unless the brake is applied.

## R Reverse

Select only when the vehicle is stationary.

## Sequential mode

After every engine start, as soon as the selector lever is pushed to the right and the brake pedal is pressed, the Sequential mode is activated.

The gear is changed using the shift paddles or selector lever.

Driving off is also possible in second gear, e.g. when the roadway is icy.

## D Drive mode


In the Drive mode, all forward gears are shifted automatically.

To switch from the sequential to Drive mode: lightly press the selector lever to the right towards D.

## Kickdown:

For rapid acceleration, e.g. overtaking, press the accelerator pedal as far down as it will go – kickdown. You achieve maximum acceleration.

To return to the sequential mode: lightly press the selector lever back to the right towards D or change the current gear using the shift paddles or selector lever.

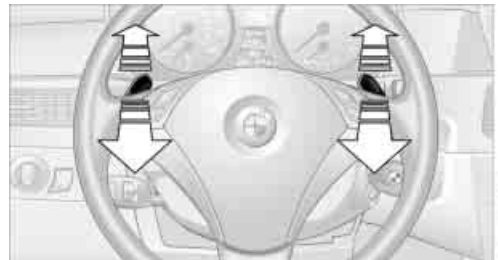
 Start off quickly on slopes. Do not hold the vehicle on a hill by pressing the accelerator, but apply the handbrake instead. Otherwise overheating can occur in the area of the transmission. ◀

## Gear changes

### Using selector lever

- ▷ To shift up, briefly press the selector lever towards +
- ▷ To shift down, lightly press towards –.

### Using shift paddles on steering wheel



- ▷ To shift up, pull one of the shift paddles
- ▷ To shift down, press.

In the following situations, the SMG in the Sequential mode assists you:

- ▷ 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
- ▷ When the vehicle is stationary, the transmission automatically downshifts into first gear

- ▷ Shortly before dropping below a gear-dependent minimum speed, the transmission downshifts automatically even without your intervention.

## Malfuction



The warning lamp lights up and a message appears on the Control Display. A malfunction has occurred in the transmission system. Avoid heavy loads. While it will remain still possible to move the selector lever to any desired position, the transmission will revert to operation in its default mode with only a limited number of forward gears. Have the system checked as soon as possible.

Information on jump-starting and towing begins on page 190.

## Overheating



The warning lamp lights up and a message appears on the Control Display. In addition, an acoustic signal sounds. Overheating in the area of the transmission. If possible, stop or drive off quickly so that the system can cool down.

## Automatic transmission with Steptronic

In addition to fully automatic operation, you can also manually shift with the Steptronic, refer to page 54.

### Selector-lever positions

P R N D M/S + -

## Possible displays



P R N D DS M1 to M6

The selector-lever position is indicated, and in the manual mode the gear currently engaged.

## Changing selector-lever positions



An interlock prevents inadvertent gear-shifts into selector-lever positions R and P. To cancel the interlock, press the button on the front of the selector lever knob, refer to arrow.

## Shiftlock

Press the brake pedal before shifting out of P or N; the shift command will not be executed unless the brake is applied.

To prevent the vehicle from creeping after you select a driving position, maintain pressure on the brake pedal until you are ready to start.



To prevent the vehicle from rolling, always select position P and apply the handbrake before leaving the vehicle with the engine running. Never leave an unattended vehicle with the engine running, as such a vehicle represents a potential safety hazard. ◀



## P Park

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

## R Reverse

Select only when the vehicle is stationary.

## N Neutral

For example, engage in automatic car washes. The vehicle can roll.

## D Drive, automatic position

Position for normal vehicle operation. All forward gears are available. Under normal operating conditions, fuel consumption is lowest when driving in position D.

## Kickdown

The kickdown mode provides maximum acceleration. Press the accelerator pedal beyond the full-throttle resistance point.

## Manual operation and Sport program M/S



Move the selector lever from position D to the left into gearshift gate M/S: This activates the Sport program and DS appears in the instrument cluster. This position is recommended for a performance-oriented driving style. It is engaged automatically when the Dynamic Driving Control is activated, see below.

When the selector lever is moved slightly towards + or -, the Steptronic shifts gear and manual operation is activated. 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 selected gear appears briefly in the instrument cluster, followed by the current gear.

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

## Malfunction



The warning lamp lights up and a message appears on the Control Display. A malfunction has

occurred in the transmission system.

Avoid heavy loads.

While it will remain still possible to move the selector lever to any desired position, the transmission will revert to operation in its default mode with only a limited number of forward gears.

Have the system checked as soon as possible.

Information on jump-starting and towing begins on page 189.

## Dynamic Driving Control\*

The Dynamic Driving Control makes it possible for your BMW to react in an even more sports-oriented manner at the push of a button:

- ▷ The engine responds more spontaneously to accelerator pedal movements
- ▷ The steering becomes more direct and provides even better road contact
- ▷ Cruise control: The stored speed you call up is reached more quickly.

Additionally with SMG:

- ▷ Gearshifts are faster
- ▷ The engine speed range is used optimally in the Drive mode.

With automatic transmission:

- ▷ The Sport program is activated.



## Activating system




Press the SPORT button with the ignition key in position 2. The LED in the button lights up and SPORT is displayed in the instrument cluster.

## Deactivating system


Press the SPORT button again. The LED in the button and SPORT in the instrument cluster go out.

## Acceleration assistant with SMG

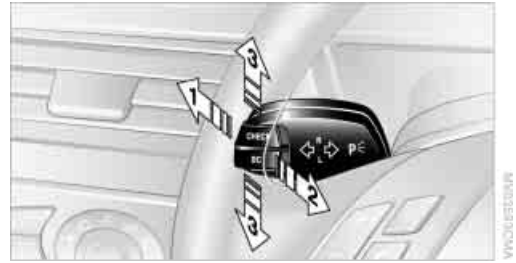
The acceleration assistant enables optimized vehicle acceleration at racing car level on road surfaces with good adhesion when starting off.

 Do not use the acceleration assistant too often, as otherwise components will wear prematurely. ◀

1. Activate the Dynamic Driving Control
2. Press the DSC button, refer to page 77, for longer than three seconds
3. Press the accelerator pedal down fully – kickdown. The ideal starting-off engine speed is set.

 To maintain driving stability, drive with the DSC on whenever possible. ◀


## Turn signals/ headlamp flasher



- 1 High beams
- 2 Headlamp flasher
- 3 Turn signals

## Using turn signals

Press the lever beyond the resistance point. It then returns to the center position when released. Press the lever as far as the resistance point to switch off the turn signals.

 If the indicator lamp flashes and the relay clicks faster than usual, this indicates that one of the turn signal bulbs is defective. ◀

## Signaling briefly

Press the lever as far as the resistance point and hold there if necessary. It then returns to the center position when released.

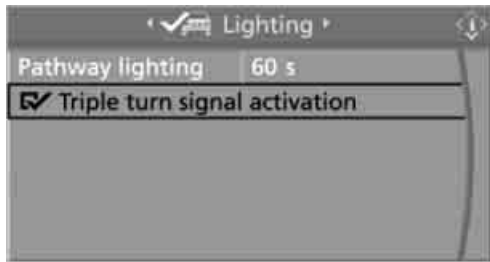
## Triple turn signal activation

Press the lever as far as the resistance point; the turn signal flashes three times. You can activate or deactivate this function.

Control Center, for principle details, refer to page 16:

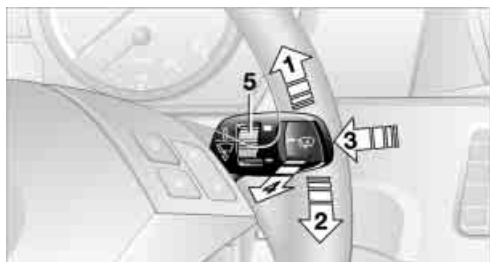
1. Open the **i** menu
2. Select "Vehicle settings" and press the controller
3. Select "Lighting" and press the controller

- Select "Triple turn signal activation" and press the controller.



☑ Triple turn signal activation is activated.

## Wiper system



- Normal wiper speed: touch once. The system automatically reverts to operation in the intermittent mode whenever the vehicle stops. Fast wiper speed: touch twice or press beyond the resistance point. The system automatically reverts to operation in the standard wipe mode whenever the vehicle stops
- Switch off wipers or for brief wipe
- Activating/deactivating rain sensor
- Cleaning windshield and headlamps
- Adjusting rain sensor sensitivity level

The lever automatically returns to its initial position when released.

### Cleaning windshield and headlamps\*

The system sprays washer fluid against the windshield and activates the wipers for a brief period.

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 so, your vision could be obscured. To avoid freezing, use a washer fluid antifreeze, refer to Washer fluid.

Avoid activating the washer when the reservoir is empty, as damage to the pump could result. ◀

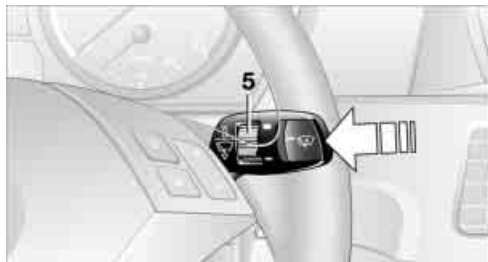
### Windshield washer nozzles

The windshield washer nozzles are automatically heated in ignition key position 2.

### Rain sensor

The rain sensor controls windshield wipe operation depending on the amount of rain. The rain sensor is located on the windshield, directly in front of the interior rear-view mirror.

### Activating rain sensor



As of ignition key position 1, briefly press the button. The indicator lamp in the button lights up. The wipers will always respond by completing at least one sweep of the windshield.


### Adjusting rain sensor sensitivity level

Turn the serrated dial 5.


### Deactivating rain sensor

Briefly press the button again. The indicator lamp goes out.

The rain sensor is automatically deactivated when you switch off the ignition.

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


## Washer fluid

 Washer fluid antifreeze is flammable. Always keep it well away from sparks and open flames, and store it in tightly closed containers well out of the reach of children. Always observe the instructions for use provided on the containers. ◀

## Washer fluid reservoir



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

 In order to keep to the mixture ratio, mix the washer fluid before filling. ◀


## Capacity

Approx. 3.2 US quarts/3 liters, in conjunction with headlamp washer system\*  
approx. 5.3 US quarts/5 liters.

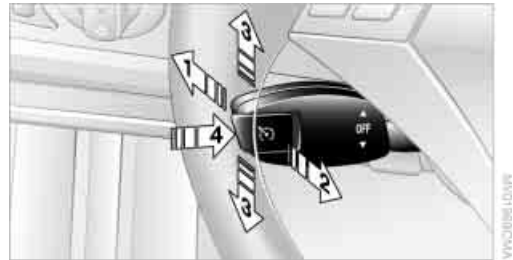
## Cruise control\*

### The concept

The cruise control is available for use at speeds of approx. 20 mph/30 km/h and higher. The vehicle maintains and stores the speed that you set using the lever mounted on the steering column.

 Do not use the cruise control when driving on winding roads, in heavy traffic or in poor road conditions – e.g. snow, rain, ice, loose road surface – that do not permit a constant speed. ◀

## One lever for all functions



### 1 Maintaining and storing speed, accelerating

Press the lever up to the resistance point: The current driving speed is maintained and stored. The display **1** in the speedometer, refer to page 58, indicates this regulated speed. Every time you briefly press the lever, the vehicle's speed increases by roughly 1 mph/1 km/h.

Press the lever longer up to the resistance point:

The vehicle accelerates without pressing the accelerator pedal. The system maintains and stores your current speed as soon as you release the lever.

Press the lever beyond the resistance point:

Speed is increased by 5 mph/10 km/h.

The vehicle may accelerate beyond the regulated speed on steep downhill stretches where the engine's braking effect alone may not be sufficient to slow the vehicle. Speed can drop on uphill grades if the engine output is insufficient.

### 2 Maintaining and storing speed, decelerating

Pull the lever:

Functions are the same as **1**, only the vehicle speed is reduced.

### 3 Interrupting cruise control

With the cruise control active, briefly press the lever up or down.

In addition, cruise control is interrupted automatically

- ▷ when braking
- ▷ when depressing the clutch pedal or engage the selector-lever position N of the automatic transmission/SMG
- ▷ when DSC comes on.

### 4 Recalling stored speed

Press button **4** briefly: the vehicle accelerates to and maintains the speed stored.

### Deactivating system

When the ignition is switched off, the system is deactivated and the stored speed is deleted.

### Displays in instrument cluster



- 1 Stored desired speed display
- 2 Digital speed display.  
Appears briefly when you select your desired speed

## 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 freeways 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.

In addition to holding a steady cruising speed, if you do encounter slower vehicles ahead, active cruise control will, within the scope of given possibilities, adjust your vehicle's speed automatically so that you can flow with the traffic without frequent intervention by the driver. If, for example, while cruising at the selected speed, you begin to approach a slower vehicle ahead of you in the same lane, the system will reduce your vehicle's speed to the same as that of the vehicle ahead to maintain your selected distance setting between your vehicle and the vehicle ahead. There are four settings for distance, which is additionally 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.


### Vehicles with manual transmission


You can use the system in the 2nd to 6th gear within a normal engine speed range and also change gears. Continuous operation at very high or very low engine speeds is not possible. In this case the driver is asked to shift or the system deactivates itself.

## Vehicles with SMG

Continuous operation at very high engine speeds is not possible in the Sequential mode. In this case the driver is asked to shift or the system deactivates itself.

In the Drive mode the SMG acts similarly to the automatic transmission in the D position.

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

 Since this active cruise control system is a new technology and operates differently from conventional cruise control systems which you may be accustomed, you are strongly urged to read all of the pages relating to this system before use. Pay special attention to the information contained in the Things to know about active cruise control section in this manual beginning on page 61. ◀

## Displays in instrument cluster



- 1 Stored desired speed display
- 2 Detected vehicle display. Lights up when vehicle driving ahead is detected
- 3 Selected distance to vehicle driving ahead
- 4 Digital speed display. Appears briefly when you select your desired speed



The system is activated. The display appears as soon as you activate the system and no vehicle is detected driving ahead.



Vehicle detected.

The display **2** lights up yellow when a vehicle is detected driving ahead.

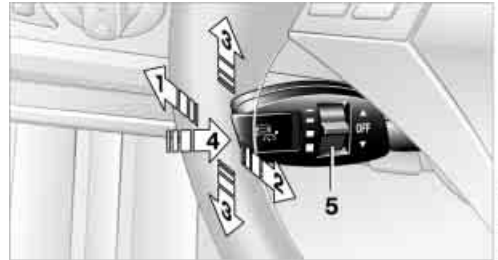


The system requests you to intervene by braking or with an evasive maneuver. The display **2** flashes red and a signal sounds. The active cruise control cannot automatically restore the distance to the vehicle driving ahead. You will find more detailed information on page 63.





Automatic intervention by ABS or DSC, or you actuate the handbrake while driving. The display **2** flashes yellow. The active cruise control now only intervenes by braking.

## Operating active cruise control



- 1 Activate system, store and increase desired speed
- 2 Activate system, store and decrease desired speed
- 3 Deactivate system
- 4 With system deactivated: Briefly press the button to recall the stored speed and distance  
With system activated: Increase desired speed by 1 mph/ 1 km/h with each press of the button
- 5 Select distance to vehicle driving ahead. You can choose from four available distance settings. You will find more detailed information on page 61

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

 If the system cannot be activated, the display ACC --- mph/km/h briefly appears in the instrument cluster. The system may have been automatically deactivated, refer to Deactivate system, or a malfunction has occurred. To call up Check Control messages, refer to page 66. ◀

## Activate system



From approx. 20 mph/30 km/h you can activate the system by pressing the lever forward or pulling it back: The current driving speed is stored as a desired speed and briefly displayed in the instrument cluster, see below.

### 1 Desired speed store and increase



Press the lever forward: The system adopts and stores your current speed as a desired speed. The speedometer indicates this speed.

Subsequently pressing forward increases the desired speed to the next 5-mile place/10 km/h.

Each time the lever is pressed forward again, the desired speed is increased by another 5 mph/10 km/h until a maximum of 110 mph/180 km/h is reached. The speed then displayed is stored and reached on a clear road.

### 2 Desired speed store and decrease

Pull back the lever: The current driving speed is rounded off to the next 5-mile place/10 km/h, displayed and stored.


Each time the lever is pulled back again, the desired speed is decreased by another 5 mph/10 km/h until the minimum speed of 20 mph/30 km/h is reached. The speed then displayed is stored and reached on a clear road.

### 3 Deactivate system

Press the lever up or down while the system is active. The displays in the instrument cluster disappear. You can use the system again as required.

In addition, the system is deactivated automatically:

- ▶ When you apply pressure to the brake pedal
- ▶ When you select the automatic transmission's/SMG's neutral range N
- ▶ With the manual transmission idling
- ▶ When you deactivate the DSC Dynamic Stability Control
- ▶ When you actuate the handbrake during driving
- ▶ When the system reduces the speed to below 20 mph/30 km/h due to a traffic situation.

 The system deactivates automatically when the speed is set to below 20 mph/30 km/h. A gong sounds and a message appears on the Control Display. The active intervention of the driver is required. ◀

When you switch off the ignition, the stored desired speed is deleted.

## 4 Resume to stored desired speed and distance setting

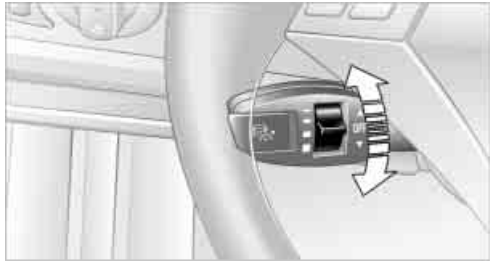
Press button 4:

The displays appear in the instrument cluster. The system is reactivated and uses the last stored desired speed and distance setting.

## 4 Fine adjustment of desired speed

In the activated state, the desired speed increases by 1 mph/1 km/h each time button 4 is pressed briefly.

## 5 Select distance



You can choose from four distance steps.

- ▶ Rotary switch downward: Increase distance
- ▶ Rotary switch 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.

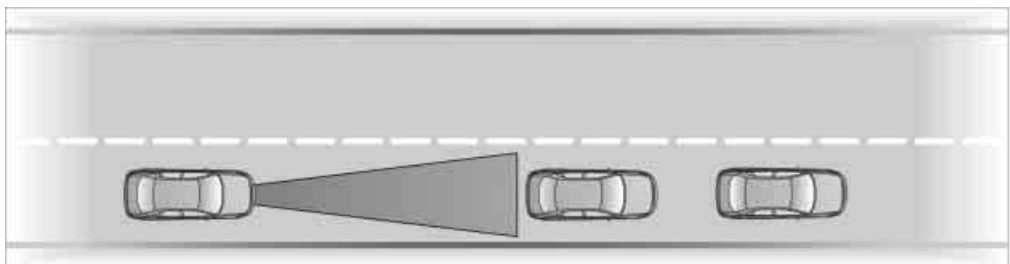



Distance 4



Use good judgment to select the appropriate following distance given road conditions, traffic, applicable laws and driving recommendations for safe following distance. ◀

## Things to know about active cruise control



 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. ◀

**⚠** 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 type 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. ◀

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.

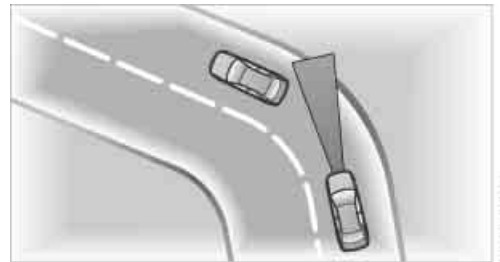
Active cruise control can only decelerate the vehicle to approx. 20 mph/30 km/h. If the system reduces vehicle speed below 20 mph/30 km/h or if DSC/ABS is engaged while driving, the system will automatically deactivate.

**⚠** Remember, the system cannot stop your vehicle. In addition, the system is deactivated whenever the driver applies the vehicle brakes, shifts the transmission to neutral/N, or deactivates DSC. After any deactivation, the system will no longer automatically activate the vehicle brakes, which means the driver must intervene and resume manual braking. You should then reactivate the system only when you are fully aware of the prior speed and distance settings. ◀

Active cruise control may brake when you reduce the stored desired speed; however, the driver must constantly monitor traffic and intervene if necessary.

When you switch off the engine or ignition, active cruise control is fully switched off, too, and any settings you have selected are canceled.

## 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.

### Driver interventions

 Anytime the driver presses down on the accelerator pedal, any automatic braking action by the system is interrupted until the pedal is fully released. After doing this, release the accelerator and the system again controls your cruising speed and distance setting. While driving with activated system, resting your foot on the accelerator pedal will cause the system not to brake even if necessary. Be certain that floor mats or other objects on the vehicle floor do not interfere with movement of the accelerator pedal. ◀

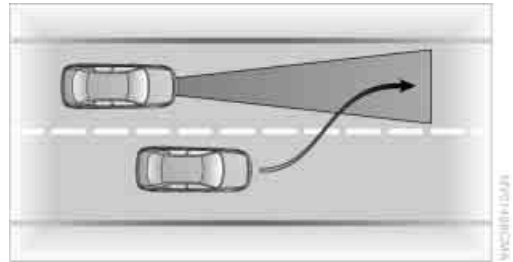
 While active cruise control is capable of braking your vehicle automatically when you approach a slower vehicle ahead, it is important to be aware that the ability of the system to apply the brakes is also limited, if you are driving down a steep grade or when you reduce your desired speed sharply. The 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: during emergency braking, 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. ◀



Whenever active cruise control recognizes a situation that requires driver braking because the system capacity has been reached or has been exceeded, the system alerts the driver by flashing this symbol in the instrument cluster and sounding a signal.

### 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.

### Malfunction



The indicator lamp lights up and a message appears on the Control Display.

The build-up of foreign material, e.g., snow, ice, dirt, road debris etc., can lead to reduced detection performance of active cruise control. You should check the sensor under the front bumper and clean it as necessary prior to driving your vehicle. If the sensor becomes covered by foreign material or has a malfunction, it is possible that the sensor will no longer be able to detect vehicles in front of you. After the system recognizes that the sensor is no longer functional, a message is displayed on the Control Display and an acoustic signal is emitted.

# Everything under control

## Odometer, outside temperature display, clock



When the ignition is off you can briefly activate the time, outside temperature and odometer displays by pressing knob **3** in the instrument cluster.

## Outside temperature display, clock, date 1

The outside temperature and the time are displayed as of ignition key position 1.

You can set the measurement unit °F or °C on the Control Display, refer to Measurement units on page 73.


To call up the date:

Briefly press the CHECK button on the turn signal lever, refer to page 68.

Setting the time and date, refer to page 73.

## Ice warning

A signal sounds when the outside temperature falls to roughly +37.5 °F/+3 °C; this is accompanied by a message.

 Please bear in mind that the ice warning does nothing to alter the fact that black ice may be present on roads at temperatures higher than +37.5 °F/+3 °C, e.g. on bridges and shaded roads. ◀

## Odometer and trip odometer 2

Set trip odometer to zero:

Press knob **3** in the instrument cluster.

## Tachometer



The white-striped advance warning field, arrow **1**, changes depending on the engine temperature. The segments disappear in sequence as the engine warms to its normal operating temperature.

Avoid allowing the engine speed to rise as far as the orange warning sector whenever possible.

Engine speeds in the red warning field, arrow **2**, must be avoided.

In this range, the fuel supply is interrupted to protect the engine.

## Energy Control



Displays the at the moment 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. 18.5 gallons/70 liters, of which approx. 2.1 gallons/8 liters reserve. You can find information on refueling on page 164.

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.

After the reserve quantity has been reached, a message appears for a short time on the Control Display; the remaining range is shown in the computer. With a range below approx. 30 miles/50 km, the message remains on the Control Display.


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

## Service requirement display

### In the instrument cluster



The remaining distance to be driven, the date for the next maintenance as well as the date entered for the state emission or vehicle inspection are displayed briefly as of ignition key position 2, if the date is imminent.

 Your BMW Service Advisor will determine your vehicle's current service requirements by reading out the data stored in the vehicle key. ◀

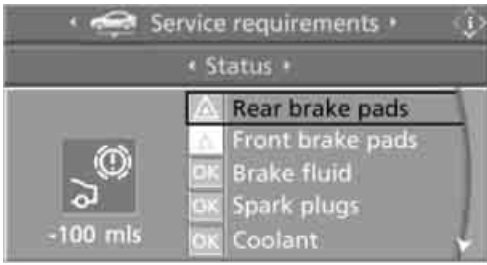
### On the Control Display

You can view additional information on service and maintenance procedures on the Control Display.





Control Center, for principle details, refer to page 16:

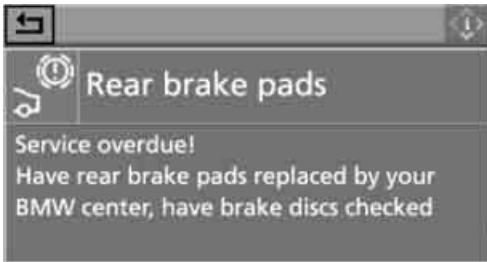
1. Open the **i** menu
2. Select "Service" and press the controller
3. Select "Service requirements" and press the controller
4. Select "Status" and press the controller.


The display shows a list of selected service and maintenance procedures, as well as legally prescribed inspections.



### Symbols

-  The service deadline has already passed.
-  The deadline for service or a legally prescribed inspection is approaching. Please fix a service appointment.
-  No service is currently required.
-  You can request more detailed information on every entry.




Select the entry and press the controller.  
To exit the menu:  
Select  and press the controller.

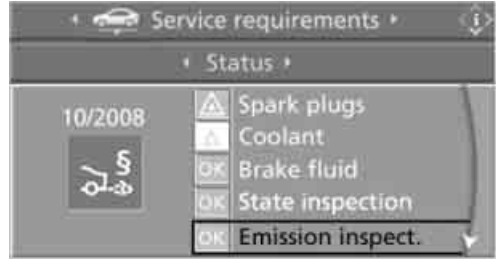
### Entering dates for state emission and vehicle inspections

Make sure the date on the Control Display is always set correctly, refer to page 73, as otherwise the effectiveness of CBS Condition Based Service is not ensured.

Control Center, for principle details, refer to page 16:

1. Open the  menu
2. Select "Service" and press the controller
3. Select "Service requirements" and press the controller


4. "Select "Status" and press the controller
5. Select "Emission inspect." or "State inspection" and press the controller



6. Select "Set service date" and press the controller. The month is highlighted
7. Turn the controller to make the adjustment



8. Press the controller to apply the setting. The year is highlighted
9. Turn the controller to make the adjustment
10. Press the controller to apply the setting. The date entry is stored.

To exit the menu:  
Select  and press the controller.

## Check Control

### The concept

The Check Control monitors functions in the vehicle and issues a message if there is a malfunction in the monitored systems.

Supplementary messages on the Control Display are intended to assist you in assessing the severity of malfunctions; they

provide you with the information you need to decide on the best way to respond.

### Display of a message



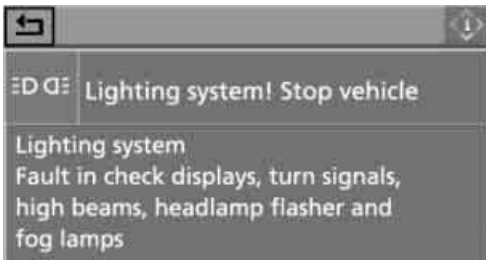
▲ means that a Check Control message is present.

Information and malfunction reports are indicated by an illuminated indicator or warning lamp symbol.



At the same time, a gong sounds and a text message appears on the Control Display.

### Supplementary instructions



Messages are assigned one of two priority ratings:

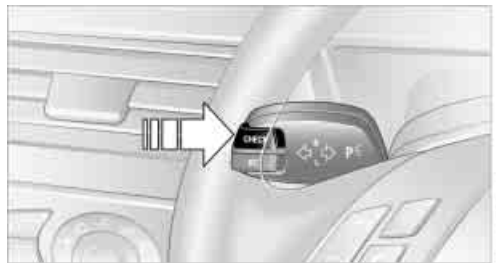
### Priority 1

These messages and malfunction reports are signaled by a gong. If a number of malfunctions occur simultaneously, they are displayed in succession. These messages cannot be deleted, and they remain on the display until the problem is corrected. Supplementary information can also appear on the Control Display.

To exit the menu:  
Select and press the controller.

### Priority 2

These status messages and malfunction reports are indicated by the gong and displayed for approx. 20 seconds.



To hide a displayed message: briefly press the CHECK button on the turn signal lever.

### Check Control symbol and information on the Control Display

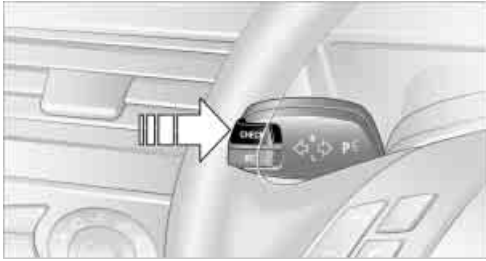
Depending on the status of the monitored systems, various symbols are displayed:

- No malfunctions are present in the monitored systems.
- Malfunctions are present in the monitored systems.
- Depending upon how serious the problem is, a supplementary message may also appear on the Control Display.

The symbols also indicate the status of the service requirement display, refer to page 66.

## Calling up stored reports on Control Display

### Using the CHECK button



1. Press the button longer:  
The first stored message is displayed
2. Briefly press the button:  
Another message is displayed each time the button is briefly pressed.

### Using the Control Center

Control Center, for principle details, refer to page 16:

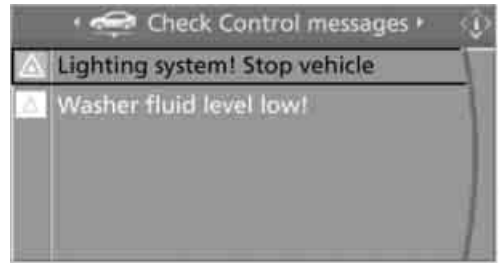
1. Press button.

**MENU**

The start menu is opened



2. Press the controller to open the **i** menu
3. Select "Service" and press the controller
4. Select "Check Control messages" and press the controller. The stored messages appear on the display
5. Select the desired message and press the controller.



The display disappears automatically after a short time.

To close the display immediately:  
Select and press the controller.

### Displays after completion of trip

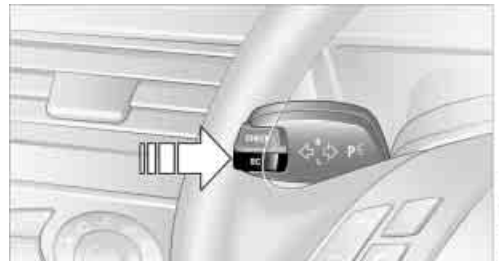
Malfunction reports generated during the trip are shown consecutively when you switch off the ignition.

Before the display disappears, you can display the messages once again. Press the CHECK button for approx. 2 seconds. If several messages are present, you can continue to press the CHECK button to view them in succession.

The display goes out

- ▷ automatically after a brief period
- ▷ by again pressing the CHECK button for approximately 2 seconds.

## Computer



### Requesting functions

As of ignition key position 1, you can use the BC button in the turn signal lever to call up computer information in the instrument cluster.

A new function appears each time you briefly press the BC button.

## Displays in instrument cluster




The display sequence:

- ▷ Cruising range
- ▷ Average speed
- ▷ Average fuel consumption.

## Cruising range

Displays the estimated cruising range available with the remaining fuel. The fuel level is measured and the range is calculated taking the driving style over the last 20 miles/30 km into account.

 Refuel as soon as possible once your cruising range falls to below 30 miles/50 km, as 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 the average speed: press the BC button in the turn signal lever for approx. 2 seconds.

## Average fuel consumption

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

You can use the Control Display to view your fuel consumption rate over two different distances, refer to Computer or Trip computer.

To reset the average fuel consumption: press the BC button in the turn signal lever for approx. 2 seconds.

## Displays on Control Display

You can also call up the computer via the Control Center, principle, refer to page 16:

1. Press button.



The start menu is opened



2. Move the controller to the right to open "Navigation".  
On vehicles without navigation system: open "Car Data"
3. Select "Car Data" and press the controller.

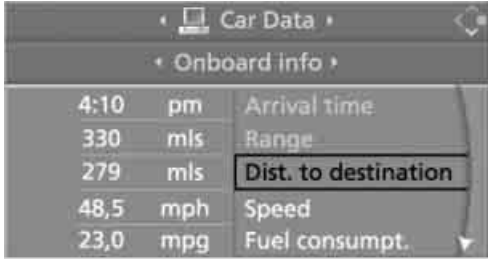
You can choose between two display options:

- ▷ Computer
- ▷ Trip computer, suitable e.g. for a vacation trip.



## Computer

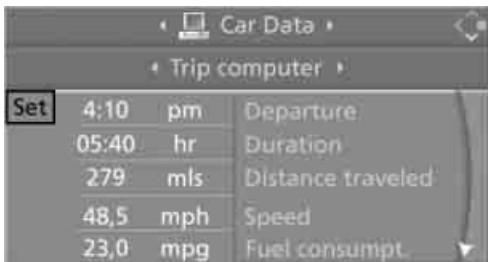
Select "Onboard info" and press the controller.



- ▷ Estimated time of arrival at destination:
  - ▷ Entering a distance manually in the computer, see below
  - ▷ Entering a destination in the navigation system, refer to page 112
- ▷ Cruising range
- ▷ Distance to destination:
  - ▷ Entering a distance manually in the computer, see below
  - ▷ Entering a destination in the navigation system, refer to page 112
- ▷ Average speed
- ▷ Average fuel consumption.

## Trip computer

Select "Trip computer" and press the controller.



- ▷ Departure time
- ▷ Driving time
- ▷ Elapsed distance
- ▷ Average speed
- ▷ Average fuel consumption.

To switch the trip computer on/off and reset all the values:

1. Select "Set" and press the controller
2. Select the desired menu item
3. Press the controller.

## Entering a distance manually

Control Center, for principle details, refer to page 16:

1. Open "Navigation".  
On vehicles without navigation system: open "Car Data"
2. Select "Car Data" and press the controller
3. Select "Onboard info" and press the controller
4. Select "Dist. to destination" and press the controller



5. Turn the controller to select the distance to your destination. While doing so, hold against a slight resistance if necessary if a larger difference is to be entered
6. Press the controller to apply the setting.  
With the destination guidance switched on, the distance is given automatically.

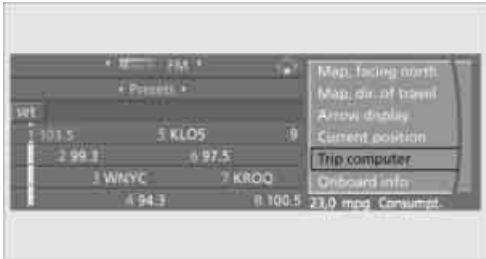


## Display options

You can display the computer or the trip computer in the assistance window.

Control Center, for principle details, refer to page 16:

1. Move the controller to the right to change to the assistance window and press the controller



2. Select a menu item:
  - ▷ "Onboard info"
  - ▷ "Trip computer"
3. Press the controller.



## Speed limit

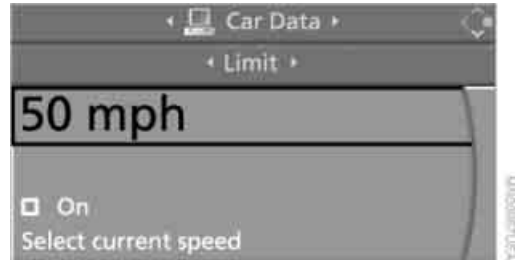
You can enter a speed and a Check Control message indicates when you have reached this speed. This enables you, for example, to receive warnings if you exceed a speed limit in an urban area.

You are only warned of reaching this speed a second time if you again drive at least 3 mph/5 km/h slower.

## Entering, changing

Control Center, for principle details, refer to page 16:

1. Open "Navigation".  
On vehicles without navigation system: open "Car Data"
2. Select "Car Data" and press the controller
3. Select "Limit" and press the controller
4. Select the speed and press the controller



5. Turn the controller to set the limit. While doing so, hold against a slight resistance if necessary if a larger difference is to be entered
6. Press the controller to apply the setting.

## Adopting your current speed as limit

Control Center, for principle details, refer to page 16:

1. Open "Navigation".  
On vehicles without navigation system: open "Car Data"
2. Select "Car Data" and press the controller
3. Select "Limit" and press the controller
4. Select "Select current speed" and press the controller. The system adopts your current speed as the limit.

### Activating limit

Control Center, for principle details, refer to page 16:

1. Open "Navigation".  
On vehicles without navigation system: open "Car Data"
2. Select "Car Data" and press the controller
3. Select "Limit" and press the controller
4. Select "On" and press the controller.  
 Limit is activated.

### Stopwatch

Control Center, for principle details, refer to page 16:

1. Open "Navigation".  
On vehicles without navigation system: open "Car Data"
2. Select "Car Data" and press the controller
3. Select "Stopwatch" and press the controller.




### Starting and stopping

- ▷ Select "Start" and press the controller  
The stopwatch starts at the displayed time
- ▷ Select "Reset" and press the controller  
The stopwatch is reset and it restarts if it was running beforehand
- ▷ Select "Stop" and press the controller  
This stops the timer.

### Taking an intermediate time reading

Select "Interim time" and press the controller. This intermediate time appears below the ongoing primary stopwatch count.

-  All of the remaining functions remain available at all times while the stopwatch is running. The stopwatch continues operation in the background. ◀

## Settings on Control Display

### Brightness of Control Display

The brightness is automatically adapted to the ambient lighting conditions. However, you can change the base setting.

Control Center, for principle details, refer to page 16:

1. Press button.



The start menu is opened



2. Press the controller to open the **i** menu
3. Select "Display settings" and press the controller
4. Select "Brightness" and press the controller
5. If necessary, move the controller to the right to select "Display Offset"
6. Turn the controller until the desired setting is selected.

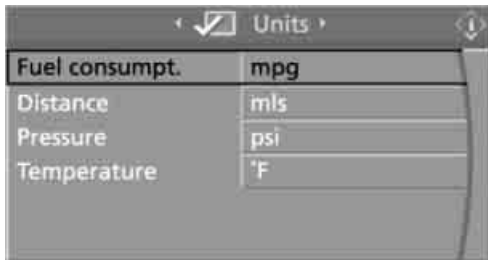


Depending on which key you have used to open the vehicle, the last adjustment is applied.

### Measurement units

You can change the measurement units for consumption, distances, temperature and pressure.

1. Open the **i** menu
2. Select "Display settings" and press the controller
3. Select "Units" and press the controller
4. Select the menu item to be set



5. Press the controller
6. Select the desired measurement unit and press the controller.

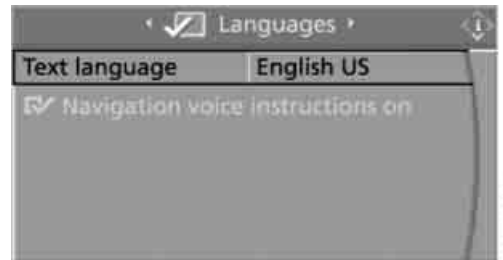
Depending on which key you have used to open the vehicle, the last settings are applied.

### Language on Control Display

The language on the Control Display can be set.

Control Center, for principle details, refer to page 16:

1. Open the **i** menu
2. Select "Display settings" and press the controller
3. Select "Languages" and press the controller
4. Select "Text language" and press the controller. You can select a different language for the text displays



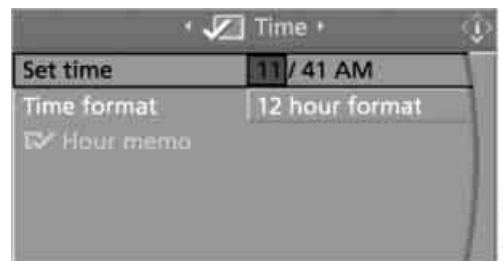
5. Select and activate the desired language by pressing the controller.

Depending on which key you have used to open the vehicle, the last adjustment is applied.

### Setting time

Control Center, for principle details, refer to page 16:

1. Open the **i** menu
2. Select "Display settings" and press the controller
3. Select "Time" and press the controller
4. Select "Set time" and press the controller. The hours are selected



5. Turn the controller to set the hours
6. Press the controller to apply the setting. The next adjustment is highlighted
7. Make the remaining adjustments. After the last adjustment, the time is stored.

## 12h/24h mode

The mode can be set.

1. Select "Time format" and press the controller
2. Select the desired mode and press the controller.

Depending on which key you have used to open the vehicle, the last adjustment is applied.

## Switching on hour signal\*

You will hear three tones just before each full hour.

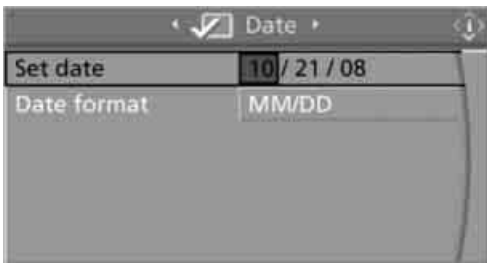
Select "Hour memo" and press the controller.

The hour signal is activated.

## Setting date

Control Center, for principle details, refer to page 16:

1. Open the **i** menu
2. Select "Display settings" and press the controller
3. Select "Date" and press the controller
4. Select "Set date" and press the controller. The first section of the date display is highlighted, here the day



5. Turn the controller to make the adjustment

6. Press the controller to apply the setting. The next adjustment is highlighted
7. Make the remaining adjustments. After the last adjustment, the date is stored.

## Changing date format

The date format can be set.

1. Select "Date format" and press the controller
2. Select the desired format and press the controller.


Depending on which key you have used to open the vehicle, the last adjustment is applied.

# Technology for comfort, convenience and safety

## PDC Park Distance Control\*


### The concept

The PDC assists you when you are parking. Signal tones and a visual display\* indicate the current distance to an object behind or in front of your vehicle. To measure the distance, there are four ultrasonic sensors in each bumper. The sensors at the front and at the two rear corners have a range of approx. 20 in/50 cm; the rear middle sensors have approx. 5 ft/1.50 m.

 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, as otherwise the physical circumstances would mean that the system warning was too late. ◀

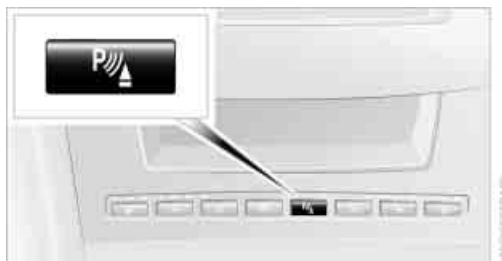
### Automatic mode

In ignition key position 2, the system automatically assumes operational status after a few seconds each time you engage reverse gear or selector-lever position R.

 Wait this short period before driving. ◀  
The system is automatically deactivated once the vehicle travels approx. 165 ft/50 m or exceeds a speed of roughly 20 mph/30 km/h; the indicator lamp goes out. You can reactivate the system manually as needed.

### Manual mode

With the ignition key in position 2, press the button; the indicator lamp lights up.



### Deactivating manual mode

Press the button again; the indicator lamp goes out.

### Signal tones

The signal indicating the distance to the nearest obstacle is directional. Thus, an object detected to the left rear of the vehicle will be indicated by a signal tone from the left rear speaker, etc. As the distance between vehicle and object decreases, the intervals between the tones become shorter. The signal tone becomes continuous once the distance to the nearest object falls to below roughly 1 ft/30 cm.

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

### Malfunction

The indicator lamp within the button flashes and a message appears on the Control Display. PDC has failed. Switch off PDC. Have the system checked.

To prevent this problem, keep the sensors clean and free of ice or snow in order to ensure that they will continue to operate effectively.

## PDC with visual warning\*

You also enjoy the option of having the system show distances to objects on the Control Display. The Control Display will also indicate the presence of objects in green before they are close enough to generate a signal tone.

Control Center, for principle details, refer to page 16:

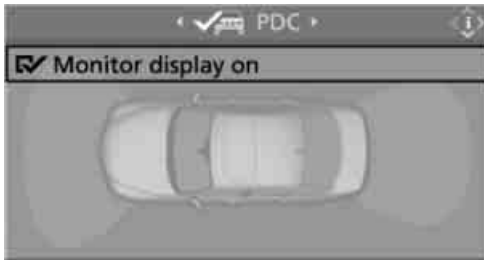
1. Press button.

**MENU**

The start menu is opened



2. Press the controller to open the **i** menu
3. Select "Vehicle settings" and press the controller
4. Select "PDC" and press the controller
5. Select "Monitor display on" and press the controller.




- The PDC screen is activated.


The display appears on the Control Display as soon as PDC is activated.

Depending on which key you have used to open the vehicle, the last adjustment is applied.

## System limits

 Even with PDC, final responsibility for estimating the distance between the vehicle and any obstructions always remains with the driver. Even when sensors are involved, there is a blind spot in which objects cannot be detected. The system is also subject to the physical limits that apply to all forms of ultrasonic measurement, such as those encountered with thin and wedge-shaped objects, etc. Low objects already displayed, e.g. a curb, can also disappear from the detection area of the sensors again before a continuous tone sounds.

Loud noises from outside and inside your vehicle may prevent you from hearing the PDC signal tone. ◀

 Do not apply high pressure spray to the sensors for a prolonged period of time. Keep the spray at least 4 in/10 cm away from the sensors. ◀

## Driving stability control systems

Your BMW is equipped with an extended array of systems designed to enhance and maintain vehicle stability under extreme conditions. The following section describes these functions based on ABS and DSC.

### ABS Antilock Brake System

ABS enhances active safety by preventing the wheels from locking under braking.

The ABS is operational every time you start the engine. ABS includes the functions CBC Cornering Brake Control and EBV Electronic brake-force distribution.

### CBC Cornering Brake Control

It provides further enhancements in vehicle stability and steering response during lane changes and cornering at high rates of lateral acceleration.

## EBV Electronic brake-force distribution

EBV controls the brake system's application pressure at the rear wheels to ensure stable deceleration.

## DSC Dynamic Stability Control

DSC optimizes vehicle stability during acceleration and when starting from a full stop, as well as optimizing traction. The system recognizes any tendency for the vehicle to assume an unstable attitude such as oversteer or understeer; it then counteracts this tendency with a combination of graduated reductions in engine torque and selective braking intervention at individual wheels. DSC provides optimal stability within the limits defined by the laws of physics.

The DSC is operational every time you start the engine. DSC includes the functionality of the DTC Dynamic Traction Control and DBC Dynamic Brake Control, see below.

### Indicator lamp



The indicator lamp goes out shortly after the engine starts.

If the indicator lamp flashes:

DSC is regulating the drive and braking forces.

If the indicator lamp lights up permanently: DSC has been switched off using the button.

### DTC Dynamic Traction Control

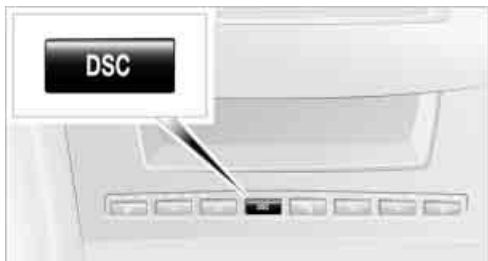
In special driving states, e.g. in deep snow, DTC ensures maximum forward momentum. The gain in forward momentum also involves a reduction in driving stability. DTC is active up to approx. 45 mph/70 km/h, whereas DSC is only effective to a limited degree.

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

- ▷ When rocking the vehicle and starting off in deep snow or on loose road surfaces

- ▷ When ascending snow-covered hills, and when driving in deep or on hard-packed snow
- ▷ When driving with snow chains.

### Activating DTC

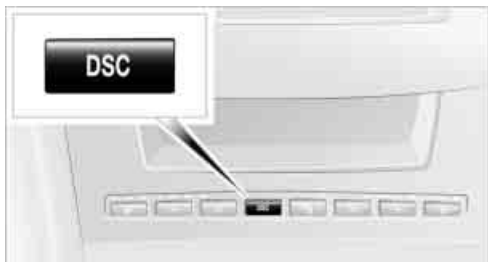


Press the DSC button briefly; the DTC indicator lamp in the instrument cluster lights up continuously.

### Deactivating DTC again

Press the DSC button briefly again; the DTC indicator lamp in the instrument cluster goes out.

### Switching off DSC



Press the DSC button until the DSC indicator light in the instrument cluster lights up continuously, however not longer than approx. 10 seconds. DSC and DTC are deactivated. In addition, the stability promoting intervention of the active steering is deactivated, refer to page 80.


A message appears on the Control Display. Please note any supplementary information that appears there.



To maintain optimal stability, drive with the system on whenever possible. ◀

## Reactivating DSC

Press the DSC button briefly; the indicator lamp in the instrument cluster goes out.


 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. ◀


## 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 braking distance during panic stops. This system exploits all of the benefits provided by ABS.

Do not reduce the pressure on the brake pedal for the duration of the brake application. When the brake pedal is released, DBC is deactivated.


## Malfunction in vehicle stability control systems

 The brake system warning lamp lights up in red, appearing together with the indicator lamps for ABS and DSC. A message appears on the Control Display. Driving stability control and ABS have failed. Conventional braking efficiency remains available without limitations.


 While you may continue, you should remember to proceed cautiously and drive defensively while avoiding full brake applications. Have the system checked as soon as possible.

 Display of the previously described malfunction on Canadian models.



 The DSC warning lamp lights up. DSC and DTC have failed. The stability maintenance functions are no longer available. The vehicle will

remain completely operational, however, without DSC. Have the system checked as soon as possible.

 The warning lamp for the brake system lights up in yellow; a message appears on the Control Display.

DBC has failed. Have the system checked as soon as possible.



Display of the previously described malfunction on Canadian models.

## Active roll stabilization\*

### The concept

Active roll stabilization minimizes body roll and optimizes vehicle stability during cornering and evasive maneuvers.

Dynamic stabilizers at the front and rear axles form the basis for active roll stabilization. Suspension compliance adapts to suit driving conditions, varying from performance-oriented during cornering to smooth and comfort-oriented when the vehicle is proceeding in a straight line. During vehicle operation, the system continuously runs through closed-loop control cycles lasting only fractions of a second.

The system assumes operational status each time you start the engine.

### Malfunction



The warning lamp lights up and a message appears on the Control Display. There is a malfunction in the system. Have the system checked as soon as possible.



If there is a malfunction in the system, please remember to adapt your speed accordingly, especially in curves. The suspension will be noticeably softer and the vehicle will display a greater tendency to tilt during cornering and in crosswinds.

If a message stating that you should stop appears on the Control Display, stop and switch off the engine as soon as possible. In this case the oil level in the reservoir may



have dropped below the minimum, possibly owing to a leak in the hydraulic system. Do not continue driving. Contact your BMW center. ◀

## Flat Tire Monitor

### The concept


The Flat Tire Monitor keeps track of the inflation pressures in the four fitted tires as you drive. The system provides an alert whenever the inflation pressure drops significantly in relation to the pressure another tire.

The check of the tire inflation pressure is based on monitoring the relative speeds of the wheels. A flat tire is detected and reported on the basis of a deviation in certain speed ratios.

### Functional requirement

To ensure reliable operation, the system should have been initialized with the correct tire inflation pressure.

### System limits


 The Flat Tire Monitor cannot indicate sudden severe tire damage caused by outside factors and does not detect a natural, even pressure drop in all four tires. ◀

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

- ▶ When you are driving on snow-covered or slippery road surfaces
- ▶ If you are using a sports driving style: slip on the drive wheels, high lateral acceleration
- ▶ False alarms and undetected loss of pressure may occur when you are driving with snow chains fitted
- ▶ If the Flat Tire Monitor was not initialized after the last inflation pressure correction, false alarms indicating a flat tire that is not present are possible or pressure loss might not be detected

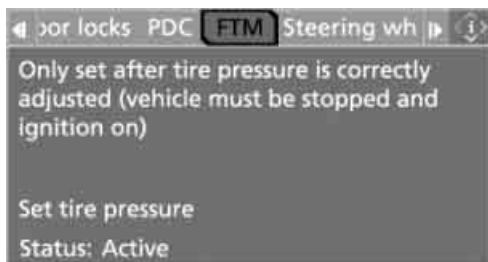
- ▶ When you are driving with the compact wheel, the Flat Tire Monitor is unable to function.

### Initializing system

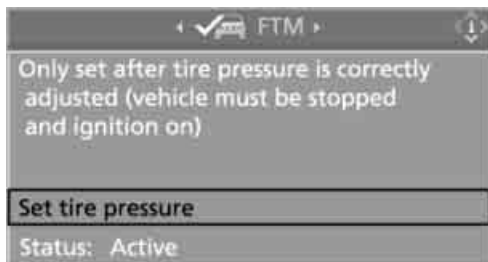
 Perform the initialization immediately after correcting the inflation pressure, after changing a tire or changing a wheel or all wheels. A drive is necessary for this purpose. ◀

Control Center, for principle details, refer to page 16:

1. Start the engine, but do not drive off
2. Open the **i** menu
3. Select "Vehicle settings" and press the controller
4. Select "FTM" and press the controller



5. Select "Set tire pressure" and press the controller




6. Select "Yes" and press the controller
7. Drive off.


The message "Initializing" is displayed.


It takes a few minutes before the Flat Tire Monitor can detect and report a flat tire and "Status: Active" is displayed.

If a flat tire is detected during initialization, a message appears on the Control Display.

 When driving with snow chains or with the compact wheel, do not initialize the system. ◀


### Indication of a flat tire

 The warning lamp lights up in red and a message appears on the Control Display. In addition, an acoustic signal sounds. There is a flat tire or extensive inflation pressure loss.

1. Reduce speed and stop the vehicle carefully. Avoid sudden braking and steering maneuvers
2. Identify damaged tire
  -  If identification is not possible, contact your BMW center. ◀
3. Replace the damaged wheel, refer to Changing a wheel on page 184.


Vehicles with run-flat tires:

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

 Due to the reinforcement on the side walls of the run-flat tires, inflation pressure loss can not usually be recognized from the outside, refer to Run-flat tires on page 170. ◀

2. To continue driving, comply with the instructions for driving with damaged tires on page 170.

### Malfunction

 The warning lamp lights up yellow and a message appears on the Control Display. The Flat Tire Monitor has a malfunction or has failed. Have the system checked as soon as possible.

## Active steering\*


### The concept

The active steering is a system that actively varies the steering angle of the front wheels in relation to the steering wheel movements.

When you are driving in the low road speed range, e.g. in a town or when parking, the steering angle is reinforced, i.e. the steering becomes very direct. 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 changes 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 77.

### Malfunction

 The fixed warning lamp lights up. The active steering is no longer operational. In the low speed range, greater steering wheel movement is necessary. 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 with initialization.

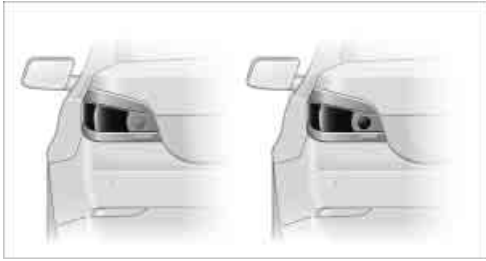
### Initializing system

1. Start the engine
2. With the vehicle stationary, turn the steering wheel from the straight-ahead position to the left as far as it will go and then back to the straight-ahead position
3. Switch off the engine.

When you start the engine again, all the functions of the active steering are available once again.

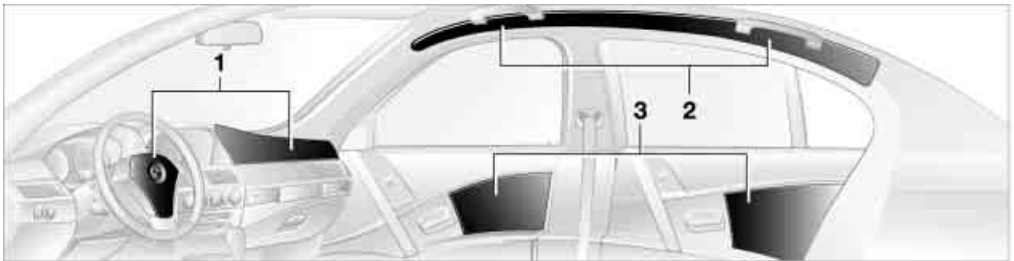
## Brake Force Display

The two-stage brake lamps light up in two stages depending on how strongly you brake.



- ▷ Normal braking:  
The brake lamps and the third brake lamp go on
- ▷ Heavy braking and braking with ABS:  
The lighting area of the brake lamps in the rear is also enlarged, refer to illustration.

## Airbags



The following airbags are located under the marked covers:

- 1 Front airbags for driver and front passenger
- 2 Head airbags in front and rear
- 3 Side airbags in front and rear

### Protective effect


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 relevant head airbag supports the head and provides protection against objects entering the vehicle.

The airbags are deliberately not triggered in every impact situation, e.g. less severe accidents, certain roll-over conditions, or rear-end collisions.

▷ The rear seat side airbags may already have been deactivated by a BMW center. Labels in the rear door opening should indicate the status of your rear seat side airbags. If you are uncertain of their status, or wish to have the airbags activated or deactivated, please contact your BMW center. ◀

For information on the correct sitting position, refer to page 36.

Even if you adhere to 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.


 Do not apply adhesive materials to the cover panels of the airbags, cover them or modify them in any other way. Do not attempt to remove the airbag retention system from the vehicle. Never modify or tamper with either the wiring or the individual components in the airbag system. This category includes the upholstery in the center of the steering wheel, on the instrument panel, the side trim panels on the doors and the roof pillars along with the sides of the headliner. Do not attempt to remove or dismantle the steering wheel. Do not touch the individual components directly after the system has been triggered, because there is a danger of burns. If you note any indication of system malfunction, if you desire to have an airbag deactivated, or if the airbag retention system is triggered in response to an accident, you should always entrust all inspection, repair and dismantling operations to your BMW center. 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. ◀

Airbag warning information is also provided on the sun visors.

### Automatic deactivation of front passenger airbags

Your BMW has a seat occupation detection system. By evaluating the weight on the front passenger's seat, the system detects whether or not the seat is occupied by a child in the child-restraint system or an adult.

- ▷ When a child is seated in the child-restraint system or with an empty seat, the front and side airbags are deactivated on the passenger's side
- ▷ When an adult is traveling in the front seat, the front and side airbags remain active on the passenger side.

 Although not desired, it can occur in the case of heavier children that the front passenger airbags remain active or in the case of very light adults or young

persons that the front passenger airbags are deactivated.

The state of the front passenger airbags is shown with the indicator lamp, refer to Indicator lamps in the following. In this case transport the corresponding persons on the rear seat.

Except when persons to be transported, do not increase the load on the front passenger seat with additional items. Do not fit 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. Otherwise, the function of the seat occupation detection could be impaired. ◀


### Airbag system operational



The warning lamp indicates the operational readiness of the entire airbag system and the safety belt tensioners as of ignition key position 1. The warning lamp goes out after a few seconds.




The indicator lamp above the interior rearview mirror indicates whether the front-passenger airbag system is activated or deactivated as of ignition key position 1.


 The indicator lamp refers exclusively to the front-passenger airbag system. ◀

- ▷ The indicator lamp goes out after a few seconds.  
The front passenger airbags are active, e.g. when transporting an adult
- ▷ The indicator lamp lights up continuously.  
The front passenger airbags are deactivated, e.g. when transporting a child in the child-restraint system or when the seat is unoccupied.

For more information on the operating principle of the front passenger airbag system and seat occupation detection, refer to Automatic deactivation of the front passenger airbags.

### Airbag system malfunction

 A malfunction could prevent the airbag system from responding in the expected manner to an impact occurring within its normal response range. ◀

 A fault has occurred in the airbag system:

- ▷ The warning lamp does not light up as of ignition key position 1
- ▷ Warning lamp lights up continuously
- ▷ The warning lamp lights up while the vehicle is being driven.

## Head-Up Display\*

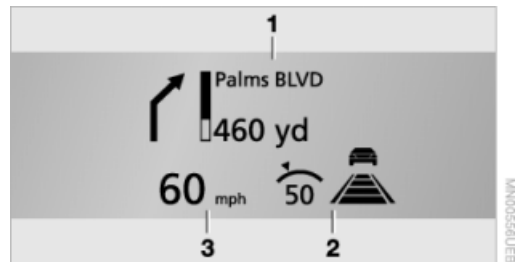
### The concept

With the Head-Up Display important information is projected into the driver's field of view, e.g. navigation instructions. This enables you to take in this information without looking away from the road.



### Switching on/off

With the ignition key in position 2:  
Press the button to activate or deactivate this system.



- 1 Navigation instructions
- 2 Display for
  - ▷ Cruise control
  - ▷ Active cruise control
- 3 Speed

### Selecting displays

Control Center, for principle details, refer to page 16:

1. Press button.

**MENU**

The start menu is opened



2. Press the controller to open the **i** menu
3. Select "Display settings" and press the controller
4. Select "HUD selection" and press the controller
5. Select desired information of Head-Up Display



6. Press the controller.
  - The information is shown on the Head-Up Display.

Depending on which key you have used to open the vehicle, the last adjustment is applied.

### Setting brightness

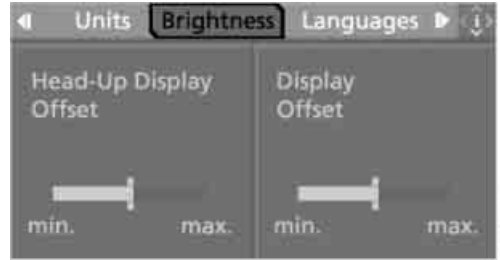
The brightness of the display is automatically adapted to the ambient lighting conditions. However, you can change the base setting.

With the low beams switched on, the brightness can also be adjusted with the rotary dial of the instrument lighting.

Control Center, for principle details, refer to page 16:

1. Open the **i** menu
2. Select "Display settings" and press the controller

3. Select "Brightness" and press the controller



4. Move the controller to the left to select "Head-Up Display Offset"
5. Turn the controller until the desired setting is selected.

Depending on which key you have used to open the vehicle, the last adjustment is applied.

### Notes

The recognizability of the displays in the Head-Up Display is influenced by:

- ▷ Sunglasses with certain polarization filters
- ▷ Certain seating positions
- ▷ Objects on the cover of the Head-Up Display
- ▷ Wet road surface and unfavorable lighting conditions.

If the image is distorted, please have the base setting checked at a BMW center.

### Special windshield

The windshield is part of the system. The shape of the windshield complies with the requirements of the Head-Up Display to enable a precise display. A film in the windshield prevents the double images from being displayed.


To have the windshield replaced, contact a BMW center.

### Care instructions

You can find everything you need to know on this topic by consulting the separate Caring for your vehicle brochure.

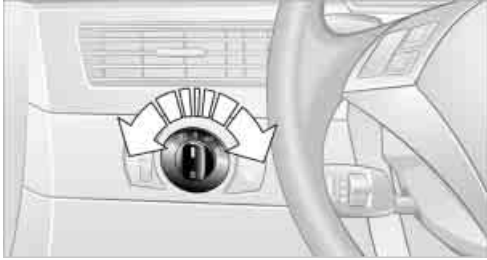


VW0985204K

 Only clean the cover of the Head-Up Display with a soft, lint-free cloth or with a display cleaning cloth, as otherwise damage may result. ◀

# Lamps

## Parking lamps/low beams



### Parking lamps



With the switch in this position, the front, rear and side vehicle lighting is switched on. You can use the parking lamps for parking. For lighting on one side for parking as an additional feature, refer to page 87.

### Low beams



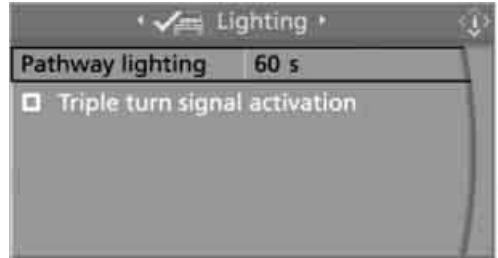
When you switch off the ignition with the headlamps on, the headlamps go out, and only the parking lamps remain on.

### Pathway lighting

After parking the vehicle and switching off the headlamps, operating the headlamp flasher activates the low beams. You can set the duration on the Control Display or deactivate the function.

Control Center, for principle details, refer to page 16:

1. Open the **i** menu
2. Select "Vehicle settings" and press the controller
3. Select "Lighting" and press the controller
4. Select "Pathway lighting" and press the controller



5. Turn the controller to select the corresponding duration
6. Press the controller to apply the setting.

### Lights on warning

If you turn the ignition key to position 0, an acoustic signal sounds when you open the driver's door for a few seconds to remind you that the light has not yet been switched off. At the same time a message appears on the Control Display.

### Daytime driving lamps\*

If you wish, you can leave the light switch in the low-beam position.

Always observe all applicable laws governing the use of daytime driving lamps.

You can switch on the parking lamps when needed using the standard procedure described under Parking lamps.

### Automatic headlamp control\*




When you set the switch to this position, the system activates and switches on and off the low beams in response to changes in ambient light conditions, for instance, in a tunnel, at dawn and dusk, and in rain and snow. The LED next to the symbol is illuminated when the low beams are on.



The low beams remain independent of the ambient lighting conditions when you switch on the fog lamps. With the daytime light switch activated, the



low beams are always switched on in this switch position with the ignition key in position 2. ◀


 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. To avoid safety risks, you should always switch on the lamps manually under these conditions. ◀

## 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 assumptions, the light from the headlamp follows the course of the road.

### Activating Adaptive Head Light

 In ignition key position 2, turn the light switch to the position 'Automatic headlamp control', refer to page 86.

To avoid blinding oncoming traffic, the Adaptive Head Light

- ▶ is not active when driving in reverse
- ▶ is only active toward passenger's side when stationary.

### Malfunction

The LED next to the symbol for automatic headlamp control flashes. Adaptive Head Light is faulty 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\*

You also enjoy the option of lighting up just one side of your vehicle when parking. When using this function, comply with national regulations:


With the ignition off, press the lever in the desired direction **3**, past the resistance point.

## 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.

The fog lamps are switched off whenever the high beams are switched on.

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

## Instrument lighting



Turn the serrated dial to adjust the illumination intensity.

## Interior lamps

Control of the interior lamps, footwell lamps, door entry lighting and courtesy lamps\* is also automatic.

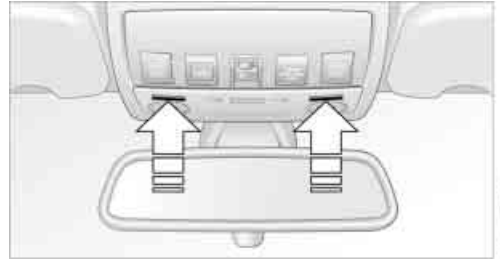
## Switching interior lamps on and off




Briefly press the button.

If you want the interior lamps to remain off continuously, maintain pressure on the button for approx. 3 seconds.

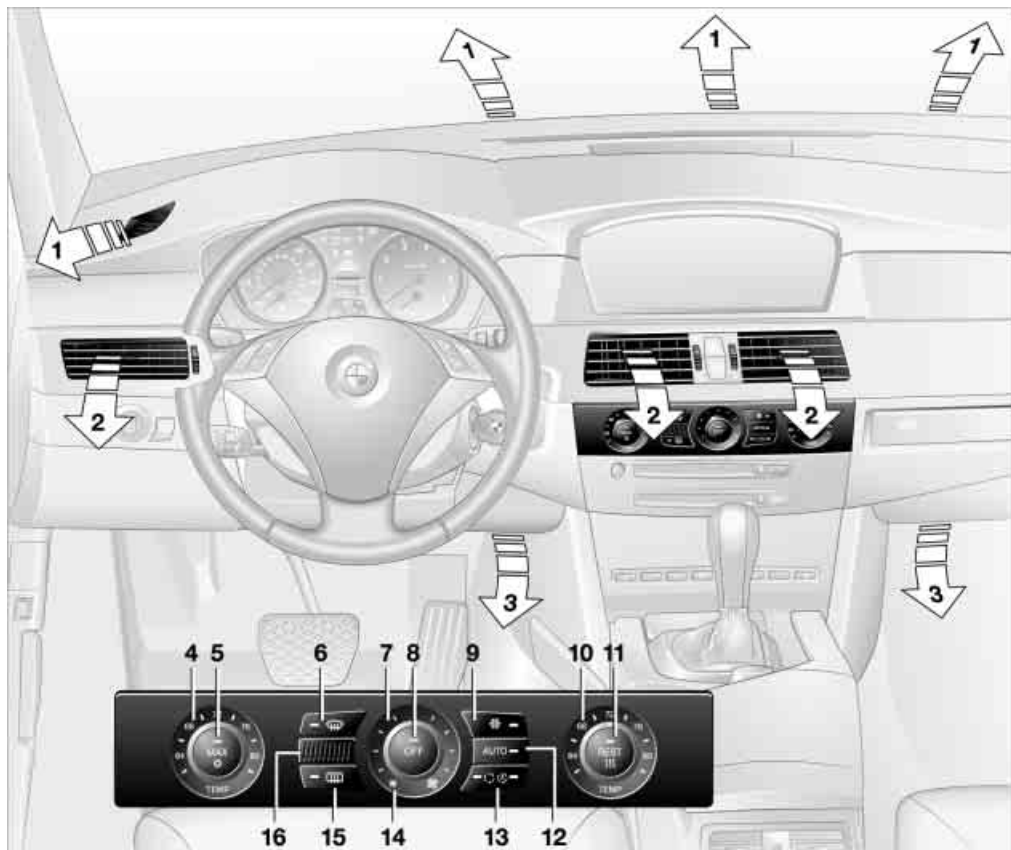
## Reading lamps



Reading lamps are provided in the front and rear adjacent to the interior lamps. Briefly press the button to activate or deactivate this system.



 To avoid discharging the battery, all of the vehicle's interior lamps are automatically switched off approx. 15 minutes after the ignition is switched off. ◀

# A congenial climate



- |  |  |
|--|--|
| <p><b>1</b> Airflow directed toward the windshield and side windows</p> <p><b>2</b> Air to upper body.<br/>The serrated dials allow you to open and close the air supply vent outlets through an infinitely-variable range. The levers change the direction of the airflow. You can find more information on adjusting for draft-free ventilation on page 93</p> <p><b>3</b> Air to footwell</p> <p><b>4</b> Setting temperature, left side of passenger compartment</p> <p><b>5</b> Maximum cooling</p> | <p><b>6</b> Defrosting windows and removing condensation</p> <p><b>7</b> Adjusting the air volume manually</p> <p><b>8</b> off automatic climate control</p> <p><b>9</b> Switching cooling function on and off manually</p> <p><b>10</b> Setting temperature, right side of passenger compartment</p> <p><b>11</b> Residual heat mode</p> <p><b>12</b> AUTO program</p> <p><b>13</b> Outside air/AUC Automatic recirculated-air control/recirculated air</p> |
|--|--|

**14** Indicator lamp for independent ventilation

- ▷ Activation time set:  
The indicator lamp  lights up
- ▷ Independent ventilation on:  
The indicator lamp  flashes

**15** Rear window defroster

**16** Air grill for interior temperature sensor – please keep clear and unobstructed

All other setting options for the automatic climate control can be found in the "Climate" menu and in the **i** menu on the Control Display, as of page 91.

The current setting for air distribution is displayed on the Control Display.

## A congenial climate

To use the automatic function, press the AUTO button. Select an interior temperature you find pleasant.

The following section contains more detailed information on the available setting options.

The cooling function is only possible with the engine running.

## AUTO program



The AUTO program adjusts the air distribution to the windshield and side windows,

towards the upper body and footwell as well as the air volume, while also using your preselected temperature setting as the basis for adjusting the interior climate to adapt to external seasonal influences.

The cooling function comes on automatically when you select the AUTO program. At the same time, a condensation sensor controls the program in such a way that window condensation is prevented as far as possible.

## Adjusting temperature



The figures on the display provide a general indication of interior temperature. A pleasant adjustment is 72 °F/22 °C.

When you start the vehicle, the system ensures that the selected temperature is achieved as quickly as possible. It then maintains this temperature, regardless of the season.

## Defrosting windows and removing condensation



This program quickly removes ice and condensation from the windshield and front side windows.

## Adjusting air volume manually



You can adjust the air volume by turning. You can reactivate the automatic mode for the air volume with the AUTO button.

## Switching cooling function on and off manually



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 comes on automatically when you select the AUTO program.

## Maximum cooling



This program quickly provides maximum cooling.

The system switches to the recirculated-air mode and the air flows at maximum air volume only from the air vent outlets for the upper body area. For this reason you should ensure that these vent outlets are open before selecting this program.

## AUC Automatic recirculated-air control




You can respond to unpleasant odors or pollutants in the immediate environment by temporarily suspending the supply of outside air.

The system then recirculates the air currently within the vehicle. AUC executes this function automatically.

Press the button repeatedly to run through the following control sequence:

- ▷ Indicator lamps off: outside air flows in continuously
- ▷ Right indicator lamp on, AUC mode: the system detects pollutants in the outside air and responds by blocking the supply of outside air when required. Depending upon air quality requirements, in the automatic mode the system alternates between its outside-air and recirculated-air modes
- ▷ Left indicator lamp on, recirculated-air mode: the supply of outside air is permanently blocked.

 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 volume as required.

The recirculated-air mode should not be used over a longer period of time, as the air quality inside the vehicle deteriorates continuously. ◀

## Residual heat mode



If you press this button with the engine switched off, the system uses the warmth stored in the engine to heat the interior, for instance, while the vehicle is stationary at a school to pick up a child. You can adjust the automatic climate control settings in ignition key position 1.

Provided that the engine has warmed to its normal operating temperature and the battery is charged, you can use this function for up to 15 minutes after switching off the ignition. The LED within the button lights up to confirm compliance with both of these conditions.

## Switching off automatic climate control



The air volume, the heater and the cooling function are all switched off. You can restart the automatic climate control by pressing any of its buttons except the REST button.

## Settings using Control Center

Ignition key:

- ▷ On vehicles with separate drives for audio CDs and navigation DVDs, ignition key in position 2
- ▷ On vehicles with one drive for audio CDs, ignition key in position 1.

Control Center, for principle details, refer to page 16:

1. Press button.

**MENU**

The start menu is opened



2. Move the controller to the left to open "Climate".

You can set the following:

- ▷ Separate air distribution for driver and front passenger
- ▷ Adapting the temperature in the upper body region
- ▷ Intensity of the AUTO program.

## Manual air distribution

You can combine your air distribution yourself and also individually adjust the air temperature in the upper body area.

1. Select "Vent settings" and press the controller
2. Select "AUTO" and press the controller.
  - The manual air distribution is switched on
3. Select the desired field by moving the controller and turn the controller to adjust the air distribution.



- 1 Airflow directed toward the windshield and side windows, driver's side only
- 2 Airflow for the upper body
- 3 Air to footwell

To select the passenger area:  
Move the controller to the right.

## Automatic air distribution

1. Select "Vent settings" and press the controller
2. Select "AUTO" and press the controller.



■ The automatic air distribution is switched on.

The program handles adjustment of the air distribution, separately for the driver and passenger side.

To switch on the automatic air distribution for the front passenger:  
Move the controller to the right.

## Adapting temperature in upper body region

1. Select "Vent settings" and press the controller
2. Select the field by moving the controller and turn the controller to adjust the air distribution.

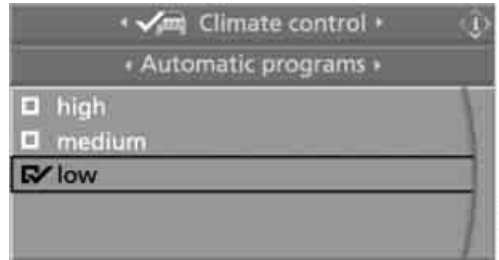


## Setting intensity of AUTO program

To meet your individual needs, you can weaken or strengthen the intensity of the automatic climate control.

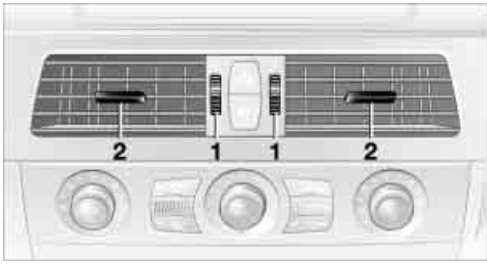
Control Center, for principle details, refer to page 16:

1. Open the **i** menu
2. Select "Vehicle settings" and press the controller
3. Select "Climate control" and press the controller
4. Select "Automatic programs" and press the controller
5. Select the desired intensity



6. Press the controller.

## Front ventilation



You can use the serrated dials **1** to open and close the vent outlets through an infinitely-variable range, while the levers **2** allow you to adjust the airflow direction.

**⚠** Do not drop any foreign bodies into the vent outlets, as otherwise these could be catapulted outwards and lead to injuries. ◀

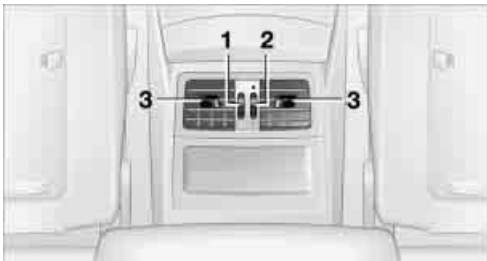
### Ventilation for cooling

Adjust the vent outlets to direct the flow of cool air in your direction, for instance, if the interior has become too warm, etc.

### Draft-free ventilation

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

## Rear ventilation



The serrated dial **1** allows you to open and close the vent outlets through an infinitely-variable range.

Serrated dial **2**:

Turn towards blue: colder

Turn towards red: warmer.

You can adjust the airflow direction using the levers **3**.

## Microfilter/activated-charcoal filter

The microfilter removes dust and pollen from 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 as a standard part of your scheduled maintenance.

You can select a display of more detailed information in the Service requirement display, refer to page 65.

## Independent ventilation\*

The independent ventilation blows air into the passenger compartment to lower interior temperatures.

The independent ventilation is controlled using the Control Center. You can set two different times for the system to start.

The independent ventilation remains on for 30 minutes. It can also be switched on and off directly. Since the system uses a substantial amount of electrical current, you should refrain from activating it twice in succession without allowing the battery to be recharged in normal operation between use.

The independent ventilation is ready for use at any outside temperature up to ignition key position 1.

The air emerges through the upper body region vent outlets in the instrument panel. These vent outlets must be open for the system to operate.

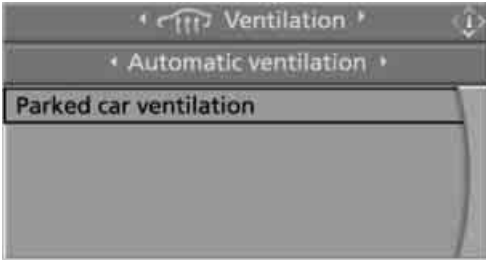
### Switching on and off directly

Control Center, for principle details, refer to page 16:

1. Open "Climate"
2. Select "Ventilation" and press the controller
3. Select "Automatic ventilation" and press the controller




4. Select "Parked car ventilation" and press the controller.



## Preselecting activation times

Control Center, for principle details, refer to page 16:

1. Open "Climate"
2. Select "Ventilation" and press the controller
3. Select "Activation time" and press the controller

 The two preselected activation times should differ by at least 31 minutes. ◀

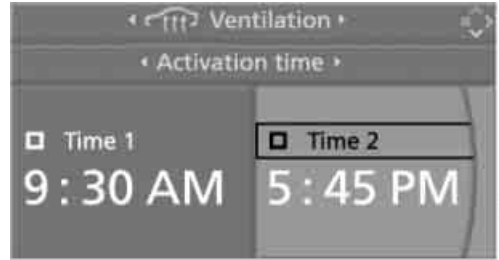
4. Move the controller to the left or right to select "Time 1" or "Time 2"
5. Select the time and press the controller. The first time setting is highlighted





6. Turn the controller to make the adjustment
7. Press the controller to apply the setting. The next adjustment is highlighted
8. Make the remaining adjustments. After the last adjustment, the time is stored.

## Activating timer

Move the controller to the left or right to select "Time 1" or "Time 2" and press the controller.



 The activation time is activated.

 The independent ventilation is only available for activation within the subsequent 24 hours. After that, the time must be reactivated. ◀



# 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 accessories, 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**. Following that, each of the devices can be actuated with the appropriately programmed memory button **1**. The indicator lamp **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 96.

 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 travel range of the device. Also, comply with the safety precautions of the original hand-held transmitter. ◀

### Checking compatibility

 If you see this symbol on the packaging or in the manual supplied with the original hand-held transmitter, it is safe to assume that it is compatible with the integrated universal remote control.

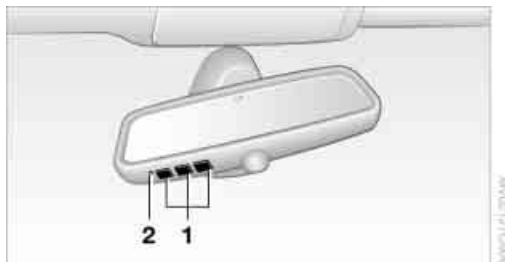
 If you have additional questions, please consult your BMW center or call 1-800-355-3515.

You can also visit these websites:

[www.bmwusa.com](http://www.bmwusa.com) or  
[www.homelink.com](http://www.homelink.com).

HomeLink is a registered trademark owned by Johnson Controls, Inc. ◀


## Programming



- 1 Memory buttons
- 2 Indicator lamp

### Fixed-code hand-held transmitter

1. Ignition key in position 2
2. When using for the first time: Press both outer buttons **1** for approx. 20 seconds until the indicator lamp **2** flashes. The three memory buttons **1** are cleared
3. Hold the original hand-held transmitter at a distance of approx. 2 in/5 cm to 8 in/20 cm to the memory buttons **1**

 The required distance between the hand-held transmitter and the memory buttons **1** depends on the relevant system of the 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. Initially, the indicator lamp **2** flashes slowly. Release both buttons as soon as the indicator **2** lamp flashes rapidly. If the indicator lamp **2** does not flash rapidly after approx. 15 seconds, change 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.

The equipment can be used in ignition key position 2.

▶ If the device can not be operated after repeated programming, check whether the original hand-held transmitter uses an alternating-code system. Here, 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 indicator lamp **2** on the integrated universal remote control flashes rapidly for a short time then lights up for approx. 2 seconds, this indicates that the original hand-held transmitter uses an alternating-code system. In the case of an alternating-code system, program the memory buttons **1** as described at Alternating-code transmitters. ◀

## Alternating-code transmitters

To program the integrated universal remote control, consult the operating instructions for the equipment 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 at Fixed-code hand-held transmitters
3. Locate the button at the receiver of the equipment to be set, e.g. on the drive
4. Press the key on the receiver of the device you want to set up. 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 additional questions, please contact your BMW center. ◀

## Clearing memory buttons

Press both outer buttons **1** of the integrated universal remote control for approx. 20 seconds until the indicator lamp **2** flashes. All memory buttons will be cleared.

The memory of individual memory buttons **1** cannot be cleared.

## Roller sun blinds\*

### Rear window blind



To actuate as of ignition key position 1, briefly press the button in the driver's door.

### Roller sun blinds for rear side windows

Pull the roller sun blind at the loop and hook up to the 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


Lock with a master key. Unlocking is also only possible with a master key.

 If you only hand over the spare key, e.g. in a hotel for valet parking, refer to page 26, the glove compartment cannot be unlocked. ◀

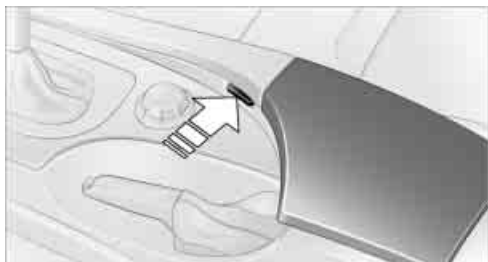
### Rechargeable flashlight

The flashlight is located on the left side of the glove compartment.

The flashlight can remain there continuously.

 Be sure that the flashlight is switched off when it is inserted into its holder. Failure to comply with this precaution could lead to overcharging and damage. ◀

## Center armrest



A storage compartment is located in the armrest between the front seats.

To open the cover:

Press the button. The cover opens and can be folded upwards.

The mat in the compartment can be removed for cleaning.

Depending on the version, the storage compartment contains a folding tray or a telephone cradle\*.




To open the tray:

Press the button and fold the cover upwards.

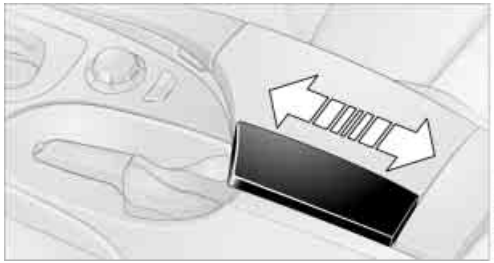
The folding tray and telephone cradle\* can be folded upwards to enable use of the lower area of the storage compartment.

### Ventilating storage compartment in front armrest

1. Fold the folding tray or telephone cradle\* upwards
2. Open or close the slider in the storage compartment.

 Depending on the automatic climate control setting, the temperature within the storage compartment may be higher than in the rest of the interior. Close the vent as required. ◀

### Adjusting



Slide the center armrest into the desired position.

## Storage compartments

### Storage compartment on center console between front seats


Open by pressing the cover back.

### Other compartments

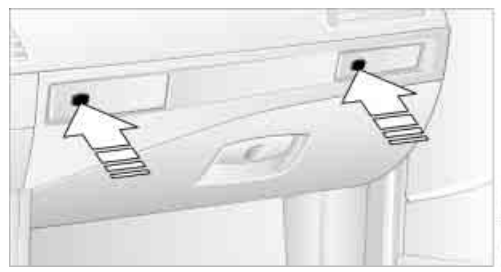
There are other compartments in the doors as well as in the front and rear center console.

Storage nets are located on the backrests of the front seats.


### Clothes hooks

 When suspending clothing from the hooks ensure that it will not obstruct the driver's vision. Do not hang heavy objects on the hooks. If you do so, they could cause personal injury to occupants during braking or evasive maneuvers. ◀

## Cup holders



To open:  
Briefly press the button.

 Do not place containers made of glass in the cup holders. This would lead to an increased risk of injury in the event of an accident. ◀

To close:  
Press the cover in the center and push in the cup holder.

## Ashtray, front

### Opening

Slide back the cover.

### Emptying




Press the ashtray forwards: it rises and can be removed.

## Cigarette lighter, front



In ignition key position 2, press in the cigarette lighter.

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

 Hold or touch the hot cigarette lighter by the knob only. Holding or touching it in other areas could result in burns. Always remove the ignition key when you leave the vehicle so that, e.g., children are unable to use the lighter and burn themselves. ◀

### Power socket

In ignition key position 2, the lighter socket can be used to plug in hand flashlights, car vacuum cleaners, etc., with power ratings of up to approx. 200 W at 12 V. Avoid damaging the socket due to inserting plugs of different shapes or sizes.

## Ashtray rear



### Emptying

Press the entire cover down. The ashtray rises and can be removed.

## Cigarette lighter, rear



Refer to Cigarette lighter, front.

## Sockets

Access to the power sockets:  
Fold up the respective cover.

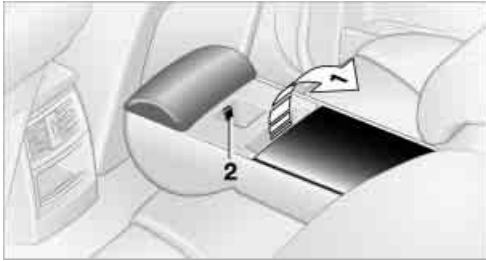
### In front passenger footwell



### In luggage compartment



## Rear center armrest

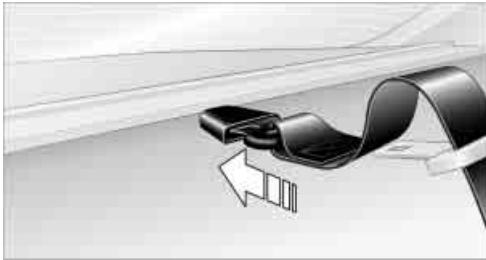


- 1 Storage compartment: pull upwards
- 2 To open cup holder: press and open cover

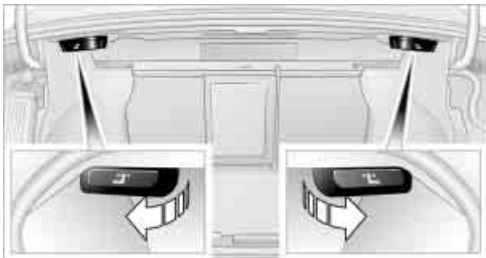
With the center armrest folded over, you improve vision toward the rear.

## Folding down rear seat\*

1. Open the buckle of the center safety belt in the rear and insert the belt tongue at the end of the belt in the mounting on the back shelf



2. Push the corresponding head restraint down as far as it will go, refer to page 40
3. To unlock, pull the corresponding lever in the luggage compartment



4. The unlocked rear seat back moves forward slightly. Fold the seat back forward by the head restraint.



**!** When you fold back the backrest, make sure that the retainer engages properly. If it is not properly engaged, transported cargo could enter the vehicle during braking or evasive maneuvers and endanger the vehicle occupants. ◀

The lashing eyes in the luggage compartment provide you with a means of attaching luggage nets\* or flexible straps for securing suitcases and luggage, refer to page 107.

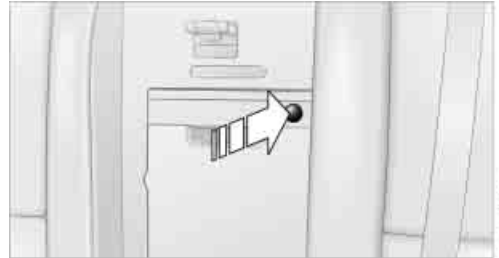
## Ski bag\*

Designed for safe, convenient 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 6.9 ft/2.10 m. When skis of 6.9 ft/2.10 m in length are loaded, the ski bag will tend to contract, reducing its overall capacity.

## Loading


1. Pull down the center armrest, press the button and open the cover



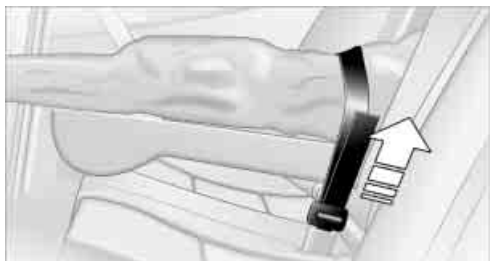
- Press the button again; the cover in the luggage compartment opens. If you press the button firmly the first time, this also opens the cover in the luggage compartment
- Extend the ski bag between the front seats and fill it. The zipper allows more convenient access to stored objects and can also be left open to allow the ski bag to dry




- Insert the belt tongue of the ski bag belt in the center safety belt buckle.

 Ensure that the skis are clean before loading them into the bag. Take care to avoid damage from sharp edges. ◀

### Securing load




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

 Secure the ski bag in this way. If you fail to do so, it could move around and endanger occupants during braking or evasive maneuvers. ◀

To store the ski bag, perform the above steps in reverse order.


### Removing ski bag

The ski bag can be completely removed so that you can use other inserts.

 Your BMW center will be glad to provide you with more detailed information on the various items of equipment. ◀



Pull the handle forwards and remove the ski bag upwards, then close the cover in the luggage compartment.

 Do not position cargo at the opening. If you do, it can endanger the passengers during braking or evasive maneuvers. Always close off the passage with an insert, as otherwise objects from the luggage compartment can enter into the passenger compartment. ◀







## Driving tips

This section is designed to provide you with extra support by supplying information useful in dealing with specific driving and operating conditions.

# Things to remember when driving

## Break-in procedures

To ensure that your vehicle continues to provide optimized economy of operation throughout an extended service life, we request that you devote careful attention to the following section.

### Engine and differential

Up to 1,200 miles/2,000 km: You should attempt to vary both vehicle and engine speeds. Until the break-in period has been completed, you should also refrain from exceeding an engine speed of 4,500 rpm or a driving speed of 100 mph/160 km/h.

Always obey all official speed limits.

Avoid full-throttle operation and use of the transmission's kickdown mode during these initial miles.

Once you have driven 1,200 miles/2,000 km, the engine and vehicle speeds can be gradually increased.

### SMG Sequential manual transmission

Do not use the acceleration assistant during the break-in period, refer to page 54.

### 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 reservedly 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.

### Clutch

The function of the clutch is only at its optimized level after a distance driven of


approx. 300 miles/500 km. During this break-in period, engage the clutch gently.

### Following part replacement

Observe the break-in instructions again if components previously addressed must be replaced during driving later.

## General driving notes

### Hot exhaust system

 Extreme temperatures occur at the catalytic converter on this and every catalyst-equipped vehicle. 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, and with it the risk of serious property damage as well as personal injury. ◀


### Parking vehicle

Condensation forms in the air conditioner system during operation, and then exits under the vehicle. Traces of condensed water under the vehicle are thus normal.

### Before driving into a car wash

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


### 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 phenomenon is referred to as hydroplaning, and is characterized by a partial or complete loss of contact

between the tires and the road surface, ultimately undermining your ability to steer and brake the vehicle. ◀

The risk of hydroplaning increases as the tread depth of the tires decreases, refer also to Tire tread on page 169.


## Driving through water

 Do not drive through water on the road if it is 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. ◀

## Braking safely

Your BMW is equipped with ABS as standard. You will achieve the best braking response from the ABS by applying maximum pressure to the brake pedal during an emergency: panic stops. Since the vehicle maintains steering responsiveness, you can nevertheless avoid possible obstacles with a minimum of steering effort.


Pulsation at the brake pedal combines with sounds from the hydraulic circuits to indicate to the driver that ABS is in its active mode.

 Do not drive with your foot resting on the brake pedal. Even light but consistent pedal pressure can lead to high temperatures, brake wear and possibly even brake failure. ◀

## Driving in wet conditions


While driving in wet conditions and in heavy rain, it is a good idea to apply light pressure to 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 pedal pressure can lead to high temperatures, brake wear and possibly even brake failure. ◀

You can further enhance the engine's braking effect by selecting a lower gear in the automatic transmission's manual mode, downshifting as far as first gear on extremely steep stretches, refer to pages 50 and 54. This strategy helps you avoid placing excessive loads on the brake system.

 Never drive with the clutch pressed or allow the vehicle to coast with the transmission in Neutral – or with the engine switched off – there is no engine braking when the transmission is in Neutral, and no power-assist for brakes and steering when the engine is not running.


Never allow floor mats, carpets or any other objects to protrude into the area around the accelerator and brake pedals and obstruct their movement. ◀

## 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.

## Mobile communications devices in vehicle

 BMW discourages the use of mobile communications devices, e.g. portable phones, inside the vehicle without a direct connection to an outside antenna. Otherwise, the vehicle electronics and mobile communication device can influ-

ence one another. In addition, it is not ensured that the radiation which results from transmission is dissipated from the vehicle interior. ◀


## 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 air loss. ◀

### Determining loading limit



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

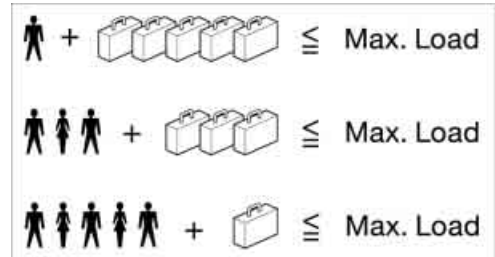
 The combined weight of occupants and cargo should never exceed XXX lbs. or YYY kg, as otherwise the vehicle may be damaged and unstable driving conditions may result. ◀

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 kg or YYY lbs.
4. The resulting figure equals the available amount of cargo and luggage load capacity.

For example, if the XXX 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 must not 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



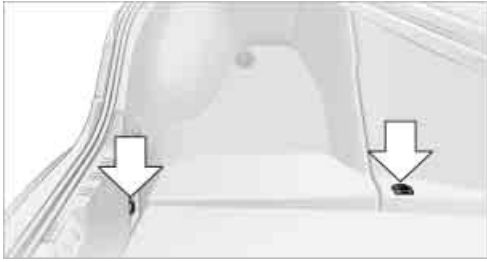
The permitted load is the total of the weight of occupants and cargo/luggage. The greater the weight of occupants, the less cargo/luggage can be transported.

### Stowing cargo




- ▷ Load heavy cargo as far forward and as low as possible, placing it directly behind the bulkhead behind the rear seats
- ▷ 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



- ▶ Use the luggage net\* or securing straps to hold down small and lightweight luggage and cargo
- ▶ Heavy-duty cargo straps\* for securing larger and heavier objects are available at your BMW center. Four lashing eyes mounted in the luggage compartment are used to secure these heavy-duty cargo straps, refer to illustration
- ▶ Please observe the special instructions supplied with the heavy-duty cargo straps.

 Always position and secure the load as described above. If you do not, it can even endanger the passengers during braking or evasive maneuvers. Never exceed either the approved gross vehicle weight or either of the approved axle loads, refer to page 198, as excessive loads can pose a safety hazard, and may also place you in violation of freeway safety laws.

You should never transport heavy or hard objects unsecured in the passenger compartment, as they could fly around and even pose a safety hazard to the vehicle's occupants during abrupt braking or evasive maneuvers. ◀

## Roof-mounted luggage rack\*

### Anchorage points



The mounting points are located in the door openings or on the roof rack\*.

A special rack system is available as an option for your BMW. Please comply with the precautions included with the installation instructions.

Because roof racks raise the vehicle's center of gravity when loaded, they have a major effect on its handling and steering response.

You should therefore always remember not to exceed the approved roof weight, the approved gross vehicle weight or the axle loads when loading the rack.

You can find the specified weights in the Technical data section on page 198.

Make sure that the load is distributed evenly, and that it does not extend outward to beyond the limits of the loading surface. Always load the heaviest pieces first – at the bottom. Be sure that adequate clearance is maintained for raising the glass roof, and that objects do not project into the opening path of the luggage compartment lid.

Secure roof-mounted cargo correctly and securely to prevent it from shifting or being lost during the trip.

Drive smoothly. Avoid sudden acceleration and braking maneuvers. Take corners gently.





## Navigation

This chapter describes how you can enter destinations and specify your route so that your navigation system guides you reliably to your destination.



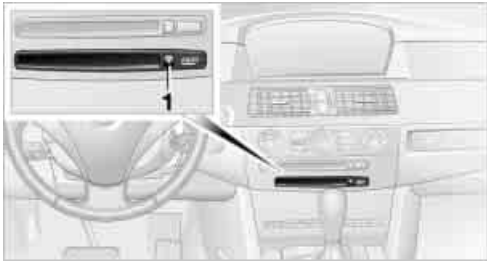
# Starting navigation system\*

Your navigation system can use satellites to ascertain the precise position of your vehicle and guide you reliably to any destination you enter.

## Navigation DVD

Special navigation DVDs are required; these are available from your BMW center.

### Inserting navigation DVD



1. Insert the navigation DVD with the labeled side up
2. Allow approx. 8 seconds for the system to scan the data from the DVD.

### Removing navigation DVD

1. Press button 1.  
The DVD is ejected from the navigation computer
2. Remove the DVD.

## Calling up navigation

**!** Enter data only when the vehicle is stationary, and always obey the traffic regulations and road signs in the event of any contradiction between traffic and road conditions and the instructions issued by the navigation system. If you do not observe this precaution, you may be in violation of the law, and can endanger vehicle occupants and other road users. ◀

Control Center, for principle details, refer to page 16:

1. Press button.

**MENU**

The start menu is opened



2. Move the controller to the right to open "Navigation"
3. Select "Navigation" and press the controller.





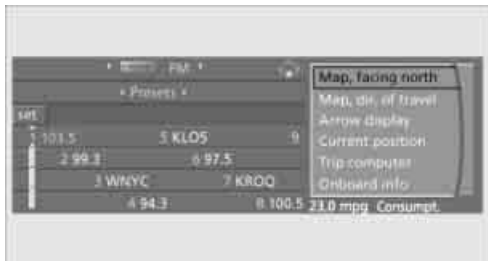
## Display in assistance window

You can display the route or the current position in the assistance window. This display remains visible even if you switch to another application.

1. Move the controller to the right to enter the assistance window



2. Press the controller. Other menu items are displayed
3. Select the desired view of the route or "Current position"



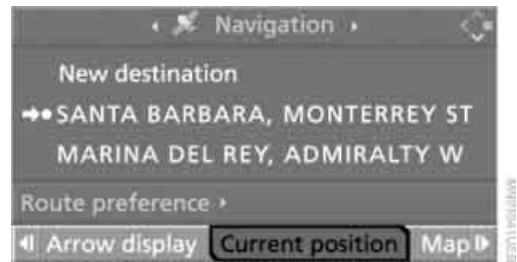
4. Press the controller.

The contents of the assistance window is continually updated as you drive.

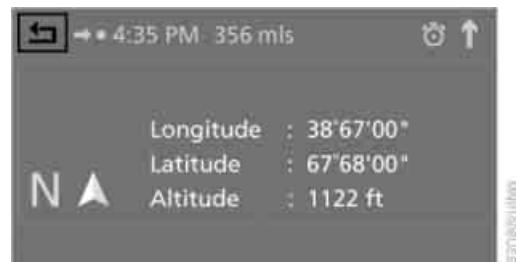
## Displaying current position

Control Center, for principle details, refer to page 16:

1. Select "Navigation" and press the controller
2. Select "Current position" and press the controller.



The current position of your BMW is displayed.



If the navigation system is unable to identify a town or city, your current map coordinates will appear.

To exit the menu:

Select  and press the controller.

You can also have the current position displayed on a map, refer to page 122.

# Entering destination

In entering your destination you can select from among the following options:

- ▷ Entering a destination manually, see below
- ▷ Selecting destination via information, refer to page 115
- ▷ Selecting from among recent destinations, refer to Destination list, page 115
- ▷ Selecting destination from address book, refer to page 116.

After selecting your destination you can proceed to start the destination guidance, refer to page 120.

## Entering a destination manually

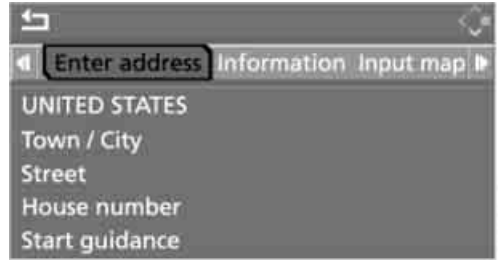
The system supports the wordmatch principle to make it easier for you to enter the names of streets or towns. This enables input of different spellings and supplements your input automatically so that stored names can be applied as destinations as quickly as possible.

Control Center, for principle details, refer to page 16:

1. Select "Navigation" and press the controller
2. Select "New destination" and press the controller



3. Select "Enter address" and press the controller.



The system also supports you with the following features:

- ▷ If you do not enter a street, the system will guide you to the downtown area of a town or city
- ▷ You can skip the entry of country and locality if the current entries are being retained for your new destination
- ▷ The commands of the voice command system for destination entry differ from those of the individual menu items on the Control Display. You can have the system list the possible voice commands, refer to page 21.

## Selecting country of destination

1. Select "State / Province" or the displayed country and press the controller. A list of available countries appears on the display



2. Select the country of destination and press the controller.

In order to be able to start the destination guidance, at least the town/city of destination or its zip code must be entered.

## Entering town/city of destination or zip code

1. Select "Town / City" or the displayed town/city and press the controller
2. To enter the town/city of destination: Select the first starting letters and press the controller. A list of all towns/cities starting with this letter appears on the Control Display.

To enter the zip code:

Select the numbers individually and press the controller, then select the zip code and press the controller.

The corresponding town/city of destination is displayed

3. If necessary, enter other letters of the town/city of destination. The list gradually grows smaller each time you enter a new letter.  
To enter blanks:  
Select **\_** and press the controller.  
To delete the letter entered:  
Move the controller to the right to select **←|** and press the controller



4. Select the town/city name from the list and press the controller.

## Entering street, house number and intersection

1. Select "Street" or the displayed street and press the controller
2. For instructions on entry, refer to Entering town/city of destination.



After the street you can also enter the intersection or the house number.

The intersection is entered in the same way as the street.

To enter the house number:

1. Select "House number" and press the controller
2. Enter the house number: Select the individual digits and press the controller each time.

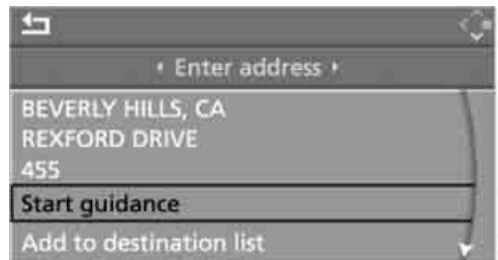
To delete the digit or letter entered:

Move the controller to the right to select **←|** and press the controller

3. Select the house number and press the controller.

Only house numbers stored for the street on the navigation DVD can be entered.

## Starting destination guidance with manual destination entry



Select "Start guidance" and press the controller.

Destination guidance starts immediately.

If the destination guidance is not to be started immediately:

Select "Add to destination list" and press

the controller.  
The destination is saved in the destination list, refer to page 115.

## Map-guided destination selection

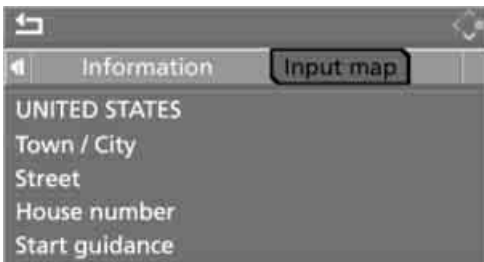
If you only know the location of the town/city or street, the system offers you a map. You can use the cursor to limit the destination in the map and then apply it into the destination guidance.

Control Center, for principle details, refer to page 16:

1. Select "Navigation" and press the controller
2. Select "New destination" and press the controller



3. Select "Input map" and press the controller.



A section of a map is displayed on the Control Display:

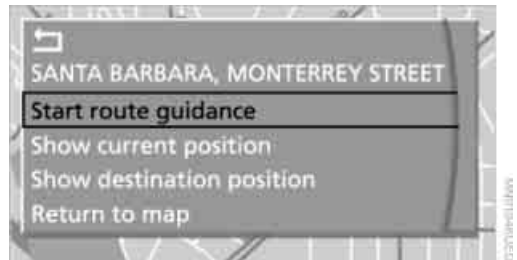
- ▷ During destination guidance, around the current destination
- ▷ With the destination guidance deactivated, around the last destination entered

4. Move the controller in the desired direction to localize your destination.  
The controller can be moved to the left, right, forwards, backwards and also diagonally.



The aim can be applied in a scale below 1 mile/2 km as destination or saved.  
To adjust the scale:  
Turn the controller

5. Press the controller.  
The selected town/city of destination and other menu items are displayed
6. Select the desired menu item:
  - ▷ closes "Input map"
  - ▷ "Start route guidance" switches the destination guidance on
  - ▷ "Show current position" places the current position back in the center of the map
  - ▷ "Show destination position" places the current destination in the center of the map
  - ▷ "Return to map" switches back to "Input map"



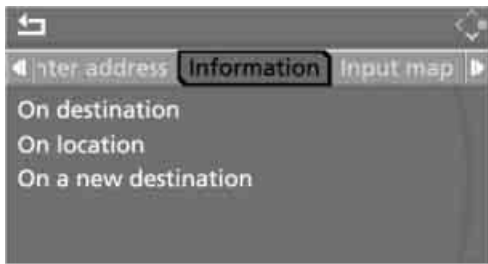
7. Press the controller.

## Selecting destination via information

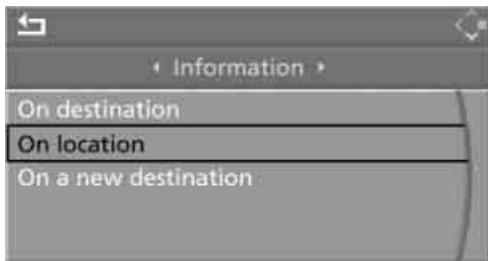
You can obtain a display of selected destinations for towns/cities and apply them into the destination guidance, e.g. hotels, sights or hospitals.

Control Center, for principle details, refer to page 16:

1. Select "Navigation" and press the controller
2. Select "New destination" and press the controller
3. Select "Information" and press the controller




4. Select the town/city or country:
  - ▷ "On destination"
  - ▷ "On location"
  - ▷ "On a new destination"The display for entering a town/city appears on the Control Display. Select the desired town/city and press the controller




5. Press the controller
6. Select the desired type of destination, such as "Hotels and restaurants"

7. Press the controller.  
A list with a maximum of ten destinations, sorted by distance, is displayed on the Control Display
8. Select a destination and press the controller
9. Select a menu item:
  - ▷ To add the address to the destination list and start destination guidance:  
Select "Select as destination" and press the controller
  - ▷ To set up a telephone connection:  
Select "Call" and press the controller.

To exit the menu:  
Select  and press the controller.

## Destination list

The destination list shows the last 20 entered destinations as well as the current destination of the destination guidance. The current destination is highlighted by this symbol .

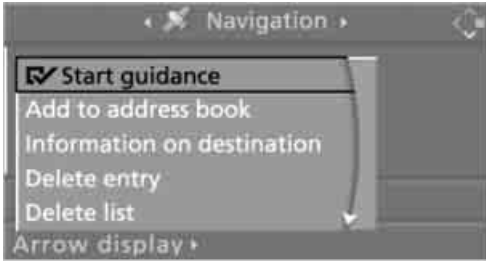
Control Center, for principle details, refer to page 16:

1. Select "Navigation" and press the controller
2. Select a destination and press the controller



3. The selected destination can be edited:
  - ▷ To start destination guidance:  
Select "Start guidance".  
 The destination guidance is started

- ▷ To display information on the destination:  
Select "Information on destination"
- ▷ To change the entry:  
Select "Edit", for instructions on operation, refer to Entering town/city of destination or zip code, page 113
- ▷ To delete the entry:  
Select "Delete entry"
- ▷ To delete all entries:  
Select "Delete list". Destination guidance is switched off
- ▷ To save the entry:  
Select "Add to address book"



4. Press the controller.

## Address book

### Calling up address book

Control Center, for principle details, refer to page 16:



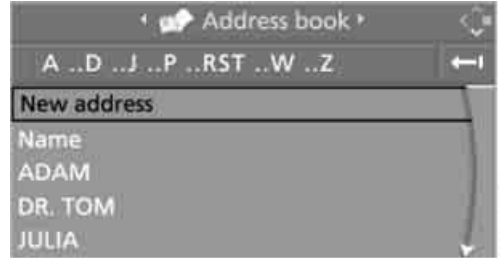
Select "Address book" and press the controller.

### Storing destinations in address book

You can save approx. 100 destinations in the address book.

Control Center, for principle details, refer to page 16:

1. Select "Address book" and press the controller
2. Select "New address" and press the controller



3. Select "Enter address yourself" and press the controller
4. Enter name and address
5. Select "Store in address book" and press the controller.  
The entry is stored in the address book.

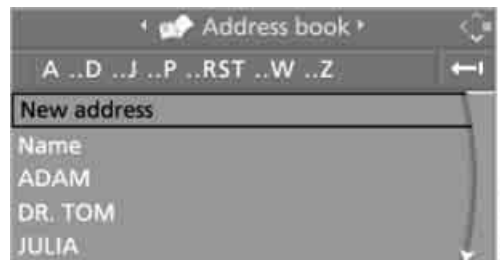
You can also save a destination from the destination list in the address book, refer to page 115.

### Storing current position

The current position can be adopted into the address book:

Control Center, for principle details, refer to page 16:

1. Select "Address book" and press the controller
2. Select "New address" and press the controller



3. Select "Apply location as address" and press the controller.  
The given name can be changed. For operation, refer to Entering a destination manually, page 112
4. Select "Store in address book" and press the controller.

You can also enter your current position in the address book after leaving the sector covered by the navigation DVD. In this case, you must enter a name.

### Selecting destinations from address book

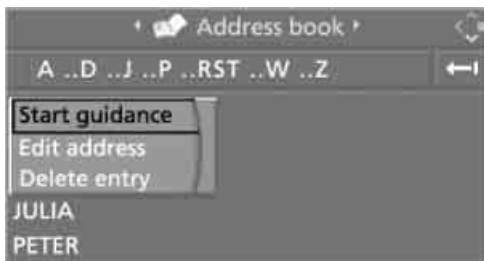
Control Center, for principle details, refer to page 16:

1. Select "Address book" and press the controller.  
The stored entries are displayed on the Control Display



2. Select the entry and press the controller.

To start the destination guidance:  
Select "Start guidance" and press the controller.



### Changing destinations from address book

Control Center, for principle details, refer to page 16:

1. Select "Address book" and press the controller
2. Select the entry and press the controller
3. Select "Edit address" and press the controller



4. Change entry.  
For operation, refer to Entering a destination manually, page 112.

### Deleting individual destinations from address book

Control Center, for principle details, refer to page 16:

1. Select "Address book" and press the controller
2. Select the entry and press the controller
3. Select "Delete address" and press the controller.

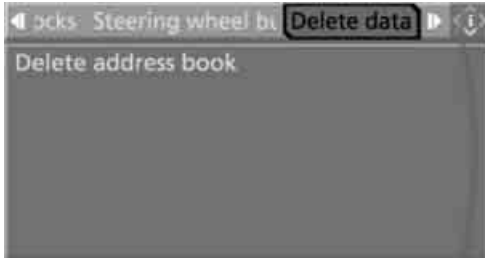




## Deleting all destinations from address book

Control Center, for principle details, refer to page 16:

1. Open the start menu
2. Press the controller to open the **i** menu
3. Select "Vehicle settings" and press the controller
4. Select "Delete data" and press the controller



5. Select "Delete address book" and press the controller
6. Select "Yes" and press the controller.

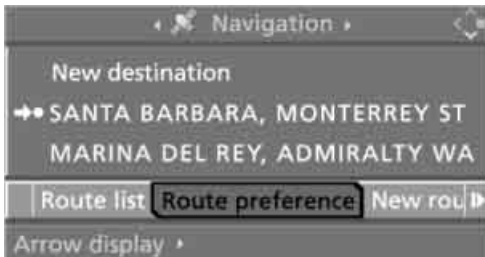
## Route selection

You can influence the calculated route by choosing certain route criteria.

### Changing route criteria

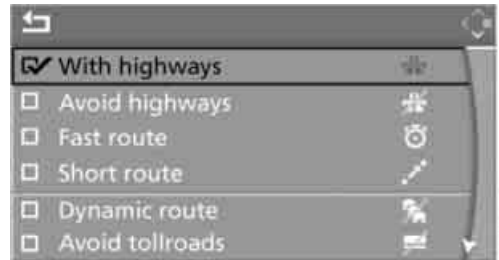
Control Center, for principle details, refer to page 16:

1. Select "Navigation" and press the controller
2. Select "Route preference" and press the controller



The various criteria are listed on the Control Display

3. Select a route criterion for the route:
  - ▷ "With highways"
    - Freeways and major traffic arteries are given priority
  - ▷ "Avoid highways"
    - Freeways are avoided where possible
  - ▷ "Fast route"
    - Shortest time using combination of smallest possible distance and sections where fast driving is possible
  - ▷ "Short route"
    - Shortest distance without consideration of the time
4. Press the controller.



- The route criterion is highlighted
5. If necessary, select an additional route criterion and then press the controller:
    - ▷ "Dynamic route"
      - The route is planned around or through traffic obstructions
    - ▷ "Avoid tollroads"
      - Tollroads are avoided where possible
    - ▷ "Avoid ferries"
      - Ferries are avoided where possible.

To exit the menu:  
Select **↩** and press the controller.

The route is planned according to fixed rules. These vary according to the different kinds of roads stored on the map DVD. As a result, the routes recommended by the navigation system may not always be the same ones that you would choose based on personal experience.



You can change the choice of route whenever the destination guidance is active.

## Wordmatch principle

The system supports the wordmatch principle to make it easier for you to enter the names of streets or towns. The system runs ongoing checks, comparing your destination entries with the data stored on the navigation DVD as the basis for instant response. The user benefits include:

- ▷ Names of specific locations can also vary from the official versions provided that the spelling of the entry corresponds to a standard form used in another country.

Example:

Instead of 'München', you can also enter the English spelling 'Munich' or the Italian spelling 'Monaco'

- ▷ When you are entering the names of towns and streets the system will complete them automatically as soon as enough letters are available to ensure unambiguous identification
- ▷ The system only accepts name entries beginning with letters that are stored on the navigation DVD. The system will not accept nonexistent names and addresses.

# Destination guidance

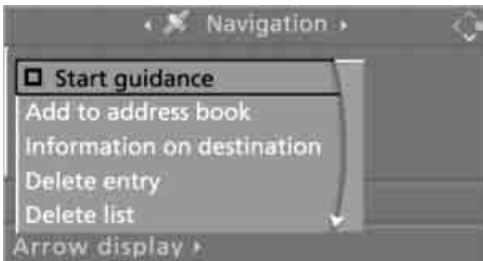
## Starting destination guidance

Control Center, for principle details, refer to page 16:

1. Select "Navigation" and press the controller
2. Select the destination from the destination list and press the controller or enter a new destination, refer to page 112



3. Select "Start guidance" and press the controller.



The destination guidance is started.

➔● indicates the current destination.

After the route has been calculated, destination guidance is indicated by arrows or a route map on the Control Display.



- 1 Predicted time of arrival
- 2 Distance to the destination on the calculated route
- 3 Route criterion
- 4 Voice instructions switched on/off

During destination guidance, you can operate other equipment using the Control Center at any time. You are informed of a required change in direction by means of voice instructions in good time prior to every intersection.

To exit the menu:

Select  and press the controller.

## Terminating/continuing destination guidance

Control Center, for principle details, refer to page 16:

➔● indicates the current destination.

1. Select the current destination and press the controller



2. Select "Start guidance" and press the controller.
  - The destination guidance is switched off.

When you park the vehicle before reaching the entered destination, upon restarting you will see the question "Continue guidance to dest.?".

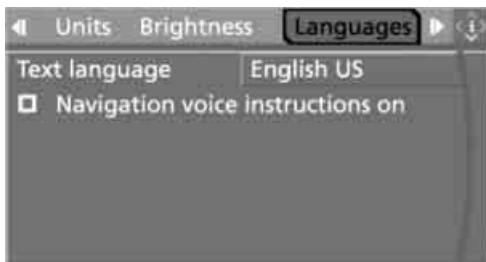
To restart the destination guidance: Select "Yes" and press the controller.

## Destination guidance through voice instructions

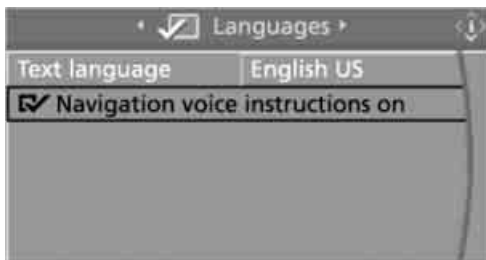
### Switching voice instructions on/off

Control Center, for principle details, refer to page 16:

1. Open the start menu
2. Press the controller to open the **i** menu
3. Select "Display settings" and press the controller
4. Select "Languages" and press the controller



5. Select "Navigation voice instructions on" and press the controller.



The voice instructions are switched on.

Depending on which key you have used to open the vehicle, the last adjustment is applied.

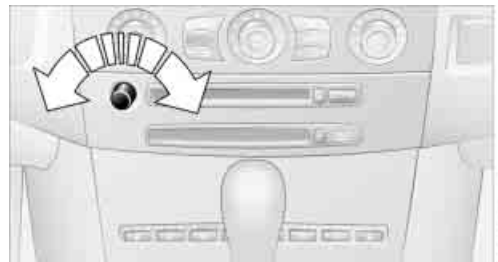
### Repeating and canceling voice instructions

With the programmable keys in the steering wheel, you can also make the following settings, refer to page 44:

- ▷ Repeating the voice instruction
- ▷ Canceling the voice instruction
- ▷ Switching voice instructions on/off.

### Adjusting volume

1. Repeat the last voice instruction, if required
2. Turn the button during the voice instruction to select the desired volume.



This volume is independent of the volume of the audio and video sources.

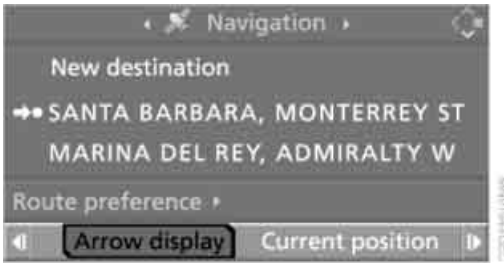
Depending on which key you have used to open the vehicle, the last adjustment is applied.

### Displaying route

You have the option of displaying various views of the route during destination guidance.

#### Displaying arrow view

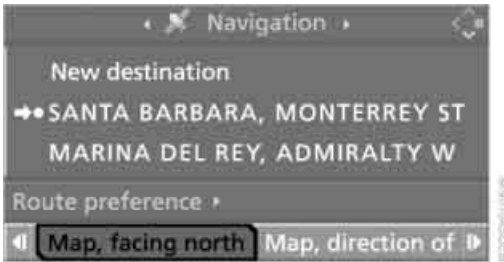
1. Select "Navigation" and press the controller
2. Select "Arrow display" and press the controller



## Displaying route map

You can have your current position displayed on a map. After starting the destination guidance, the planned route is shown on the map.

1. Select "Navigation" and press the controller
2. Select "Map, facing north" or "Map, direction of travel"



3. Press the controller.

At scales of less than 300 miles/500 km, you enjoy the option of deciding whether to orient the map to north or toward your current direction of travel. From 300 miles/500 km, the map always points toward north.

## Changing scale

Turn the controller.

On the Control Display, a scale display appears and the scale is changed.

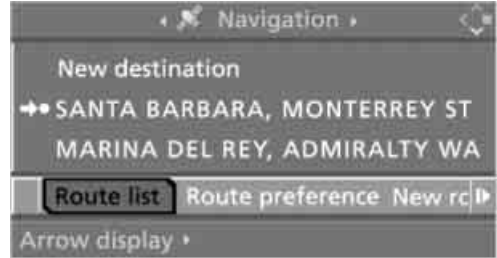
## Displaying towns/cities and streets of route

You can have the names of streets and towns/cities on your route displayed whenever the destination guidance is active.

The distances remaining to be traveled on each individual road and directional arrows are also displayed.

Control Center, for principle details, refer to page 16:

1. Select "Navigation" and press the controller
2. Select "Route list" and press the controller



To exit the menu:

Select  and press the controller.

## Bypassing route sections

During destination guidance, you can revise the navigation system's route recommendations to avoid particular stretches of road. Enter the number of miles/kilometers that you want to travel before returning to the original route.

Control Center, for principle details, refer to page 16:

1. Select "New route" and press the controller



2. Turn the controller to enter the desired number of miles/kilometers and press the controller.

To exit the menu without changing the route:

Select  and press the controller

3. "Calculate" is used to recalculate the route.

## What to do if ...

What to do if ...

- ▷ you request the current position of your vehicle, but do not receive a precise display?

The system is unable to receive enough GPS signals at your current position owing to obstructions, your current position is not yet available on your navigation DVD, or the system is in the process of calculating your current position. As a rule, reception is guaranteed under a clear sky

- ▷ the destination guidance does not adopt a destination?

The data of the destination is not stored on the navigation DVD that is loaded. Select a destination that is as close as possible to the original

- ▷ the destination guidance does not adopt an address without the street name?

On the navigation DVD, no downtown area can be determined for the city or town entered. Enter any street, or a destination such as the railway station etc., then start the destination guidance

- ▷ you want to enter a destination for the destination guidance, but it is not possible to select the letters for your desired entry?

The destination data is not recorded on the navigation DVD that is loaded. In this case, the system will not offer you any letters to choose from. Select a destination that is as close as possible to the original

- ▷ the system stops furnishing directions on which way to turn as you approach intersections?

You are driving in an area that has not yet been completely recorded on the navigation DVD. Instead of an arrow indicating a turn, you will see an arrow which indicates the general direction of your planned route. Or you have left the recommended route and the system requires a few seconds to calculate a new recommended route

- ▷ the battery has been disconnected? It will take approx. 10 minutes for the system to resume operation.









# Entertainment

Operation of the radio and CD as well as their tone settings are described in this chapter.

# On/off and tone

The following equipment has shared controls and setting options:

- ▷ Radio Business
- ▷ CD player
- ▷ CD changer\*.

## Controls

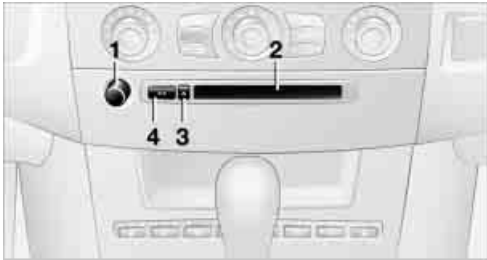
The audio sources can be operated using:

- ▷ Buttons on CD player
- ▷ Control Center
- ▷ Buttons on the steering wheel, refer to page 11.

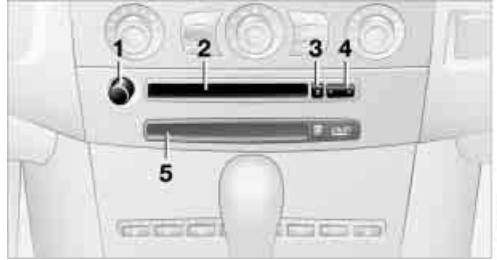
### Buttons on CD player

The layout of the buttons can vary depending on your vehicle's equipment.

Equipment with single drive:



Equipment with two drives:



- 1 Sound output for Entertainment on/off, volume
  - ▷ Press: switching on/off. When you switch on, the last set radio station or CD track is played
  - ▷ Turn: adjusting volume
- 2 Drive for audio CD
- 3 Eject CD
- 4 Station scan/track search
  - ▷ Change radio station
  - ▷ Select track for CD player and CD changer
- 5 Drive for navigation DVD

### Operation using Control Center

Control Center, for principle details, refer to page 16:

1. Press button.



The start menu is opened



2. Move the controller backwards to open "Entertainment".



You have the following choices:

- ▷ "FM" or "AM": radio reception
- ▷ "WB": calling up Weather Band station
- ▷ "SAT": selecting satellite radio
- ▷ "CD": selecting CD player or CD changer
- ▷ "Set": depending on the respective audio source, additional settings can be made, e.g. for the radio: update stations with strongest reception, store station, adjust tone, briefly play station.

## Switching on/off

To switch the sound output for Entertainment on/off:

Press button 1 on the CD player.

🔊 This symbol on the Control Display indicates that sound output is switched off.

## Adjusting volume

Turn button 1 until the desired volume has been reached.

Depending on which key you have used to open the vehicle, the last adjustment is applied.

## Tone control

You can alter various tone settings, e.g. treble and bass, or the speed-dependent volume. This changes the setting for all audio sources.

Depending on which key you have used to open the vehicle, the last settings are applied.

## Changing tone adjustments

Control Center, for principle details, refer to page 16:

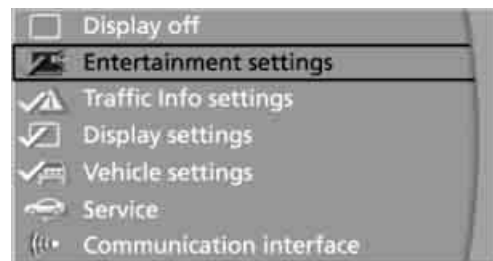
1. Press button.



The start menu is opened



2. Press the controller to open the i menu
3. Select "Entertainment settings" and press the controller



4. Select "Audio" and press the controller.



The tone settings can also be selected if you have opened "Entertainment": Select "Set" and then "Tone" and press the controller each time.

### Treble and bass

1. Select "Treble / Bass" and press the controller



2. Move the controller to the left or right to select "Treble" or "Bass"



3. Turn the controller until the desired setting is selected.

### Balance and fader

You can set the right/left and front/rear volume balance in the same manner as "Treble / Bass".

### Speed-dependent volume

The speed-dependent volume control automatically increases the volume with increasing speed. You can set various stages for the increase in volume.

1. Select "Speed volume" and press the controller



2. Turn the controller. The adjustment is applied; the field can be changed.



### Professional LOGIC7 HiFi System\*

You can select a spatial sound effect that improves the spatial acoustics in all frequency ranges.

1. Select "LOGIC7" and press the controller



2. Select "Concert hall" and press the controller.  
LOGIC7 spatial sound is switched on.



To switch off the spatial sound effect: Select "Off" and press the controller.

LOGIC7 and the LOGIC7 logo are registered trade marks of Lexicon, Inc., a company of the Harman International Group.

### Equalizer\*

You can set individual sound frequency ranges.

1. Select "Equalizer" and press the controller



2. Move the controller to the left or right to select the desired frequency range



3. Turn the controller until the desired setting is selected.

### Resetting tone settings

You can reset all tone settings except "Speed volume" to the standard default settings.

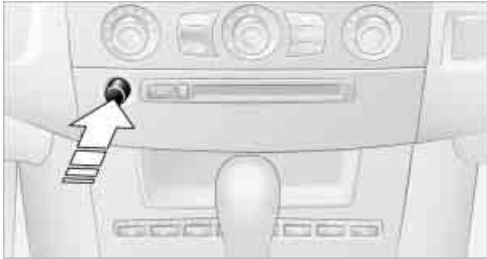
1. Open the start menu
2. Press the controller to open the **i** menu
3. Select "Entertainment settings" and press the controller
4. Select "Audio" and press the controller
5. Select "Reset" and press the controller.



## Radio

Your radio provides reception the FM and AM wavebands.

### Listening to the radio



Press the button if the sound output is switched off.

Control Center, for principle details, refer to page 16:

1. Press button.

#### MENU

The start menu is opened



2. Move the controller backwards to open "Entertainment"
3. Select "FM" or "AM"



4. Press the controller.

Stations are shown on the Control Display on the basis of various selection criteria, e.g. "Presets".

If no station is displayed, update the stations with the best reception, refer to page 134.

### Changing station



Turn the controller.

In addition to the stations currently displayed, you can have stations with another selection criterion displayed.

You can choose from the following selection criteria:

- ▷ "Autostore":  
The six strongest stations, refer to page 134
- ▷ "Presets":  
Stations you have previously stored, refer to page 134.

To change between these different selection criteria of stations:

1. Move the controller forwards to change the field
2. Select a selection criterion



3. Press the controller.

### Buttons on CD player



Briefly press the button for the corresponding direction.

The system switches to the next displayed station.

### Playing stations, scan

The system automatically plays a brief sample from each of the stations on the current waveband.

Control Center, for principle details, refer to page 16:

1. Select "FM" or "AM"
2. Press the controller
3. Press the controller. Other menu items are displayed
4. Select "Scan" and press the controller.



Scan starts.

To stop the scan:

1. Press the controller once again
  2. Select "Scan" and press the controller.
- This cancels the scan search, and the radio remains on the current station.

Buttons on CD player:



To start the scan, press the button for a longer period.

To stop the scan, press the button briefly.

### Selecting frequency manually

Control Center, for principle details, refer to page 16:

1. Select "FM" or "AM"
2. Press the controller
3. Move the controller forwards to change the field
4. Select "Manual" and press the controller



5. Turn the controller to set a certain frequency.

Buttons on CD player:

In "Manual", you can set stations that are received in addition to those displayed.



To start the scan, press the button for a longer period.

The scan mode begins with the currently selected frequency.

The system plays a brief sample from each radio station.

To stop the scan at the desired frequency or station:  
Press the button.

## Updating stations with best reception

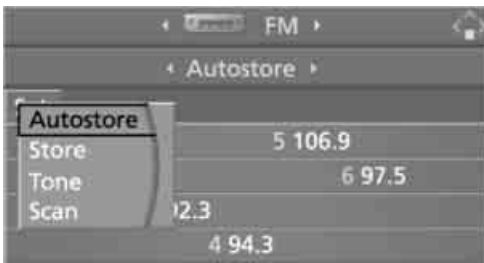
If you are on a longer journey and leave the transmission range of the stations originally set, you can update the list of stations with the best reception.

Control Center, for principle details, refer to page 16:

1. Select "FM" or "AM"
2. Press the controller
3. Move the controller forwards to change the field
4. Select "Autostore" and press the controller



5. Press the controller.  
Other menu items are displayed
6. Select "Autostore" and press the controller.



The display of the stations with the strongest reception is updated. The stations are displayed based on their frequencies.

## Storing stations

Control Center, for principle details, refer to page 16:

1. Select "FM" or "AM"
2. Select the desired station.  
"Set" has been selected



3. Press the controller.  
Other menu items are displayed
4. Select "Store" and press the controller.



"Presets" is displayed

5. Turn the controller until the desired memory location is selected.  
The number of the memory location appears beside the name or frequency of the station
6. Press the controller.  
The station is stored.





The channels of the last selection criterion are displayed once again after a short time. Depending on which key you have used to open the vehicle, other stored stations are displayed.

## Changing a memory location

Control Center, for principle details, refer to page 16:

1. Select "Presets" and press the controller
2. Select the desired station
3. Press the controller. Other menu items are displayed
4. Select "Store" and press the controller



5. Turn the controller until the desired memory location is selected. The number of the memory location appears beside the name or frequency of the station
6. Press the controller. The station is stored.

## RDS Radio Data System

RDS transmits additional information in the FM frequency range. RDS stations have the following properties:

- ▷ In the case of broadcasting networks that transmit over a number of frequencies, there is an automatic switch to the frequency with the best reception quality
- ▷ If the reception conditions are good, the station names are shown on the Control Display. If the reception is weak or disrupted, it can take some time before the station names appear.

## Weather Band\*

Weather Radio is a service of the National Oceanic and Atmospheric Administration – NOAA – of the U.S. Department of Commerce. Weather messages are repeated every four to six minutes and are routinely revised every one to three hours, or more frequently if needed. Most of the stations operate 24 hours daily. During severe weather, National Weather Service forecasters can interrupt the routine weather broadcasts and substitute special warning messages. If you have a question concerning NOAA Weather Radio, please contact your nearest National Weather Service Office, or write to National Weather Service – Attn: W/OM11–, National Oceanic and Atmospheric Administration, 1325 East-West Highway Silver Spring, MD. 20910.

## Selecting Weather Band

Control Center, for principle details, refer to page 16:

1. Select "WB" and press the controller.
2. Select the Weather Band station and press the controller.




It can occur that the Weather Band station is not available in some regions.

## Satellite radio\*

You can receive up to 100 different channels with high sound quality.

The channels are offered to you in predefined combinations. To receive the channels of your choice, you must have this combination enabled.

 You may experience signal drops and muting events related to this new technology. ◀

## Enabling or disabling channels

Control Center, for principle details, refer to page 16:

1. Press button.

**MENU**

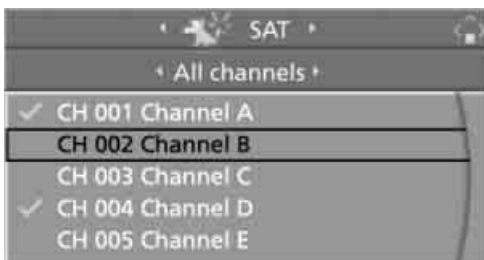
The start menu is opened



2. Move the controller backwards to open "Entertainment"
3. Select "SAT"



4. Press the controller.




The channels are displayed.

✓ These channels are enabled.

## Enabling

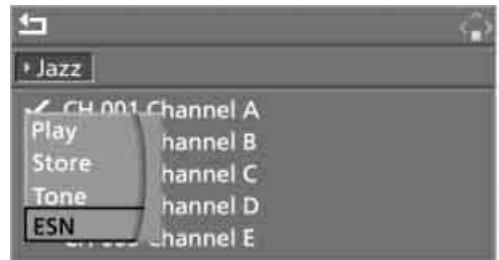
1. Select a channel that has not yet been enabled and press the controller. A telephone number and the electronic serial number, ESN, are displayed

 The electronic serial number is required to enable or disable. ◀


2. To enable the channels: Dial the phone number, or if the vehicle is equipped with two drives, select the phone number and press the controller.

## Disabling

1. Select an enabled channel and press the controller



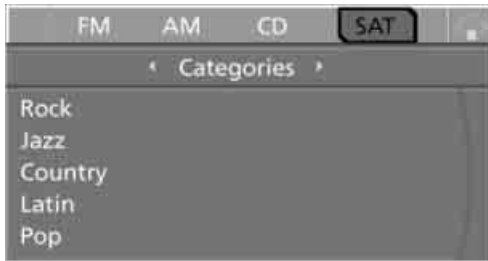
1. Select "ESN" and press the controller. A telephone number and the electronic serial number, ESN, are displayed

 The electronic serial number is required to disable. ◀

2. To disable the channels: Dial the phone number, or if the vehicle is equipped with two drives, select the phone number and press the controller.

## Selecting and storing channel

1. Select "SAT" and press the controller.



Channels are shown on the Control Display sorted on the basis of various selection criteria

2. Select a menu item:
  - ▷ "Presets":  
Up to twelve channels you have stored
  - ▷ "All channels"
  - ▷ "Categories":  
All channels by category, e.g. news, jazz

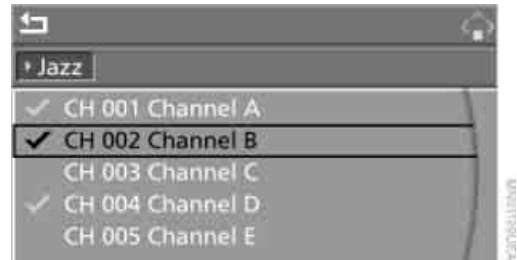


3. Press the controller
4. If "Categories" was selected:  
Select the desired category and press the controller.

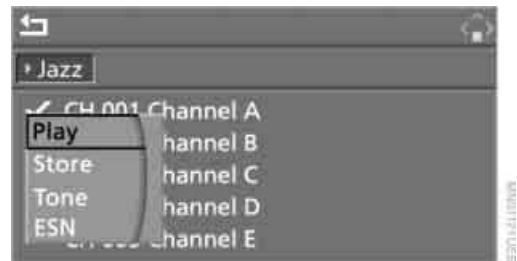


The channels of this category are displayed

5. ✓ Select a channel marked with this symbol

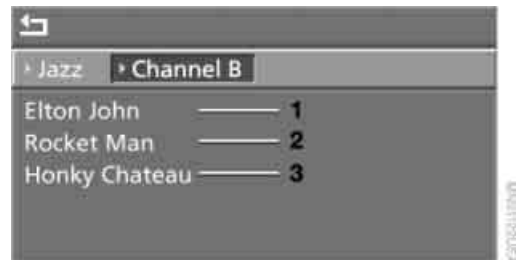


6. Press the controller.  
Other menu items are displayed
7. Select "Play" and press the controller.



## Additional information

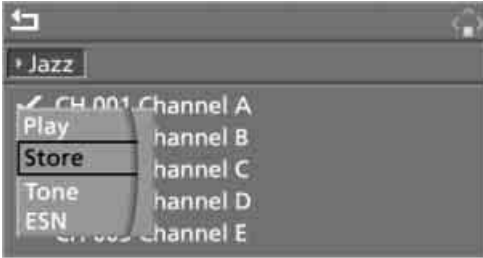
The name of the channel and additional information on the current track are displayed, e.g. the name of the artist.



- 1 Artiste
- 2 Track
- 3 Album\*

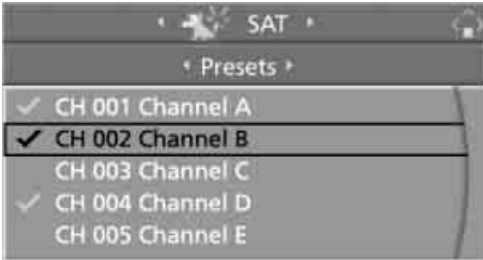
## Storing channel

1. Select desired channel
2. Press the controller.  
Other menu items are displayed
3. Select "Store" and press the controller.



"Presets" is displayed

4. Turn the controller to select a memory location and press the controller.



The channel is stored. The channels of the last selection criterion are displayed once again after a short time.

## Changing channel with buttons on CD player




Briefly press the button for the corresponding direction.

The system switches to the next enabled channel.

## Notes

When there is a signal blockage or the transmission is suspended momentarily for more than 4 seconds, a message appears on the Control Display.

 Service may be interrupted or unavailable for specific reasons such as environmental or topographic conditions and others that satellite radio cannot directly control.

Signal may not be available under tunnels, in parking garages, next to tall buildings, nearby trees with dense foliage, nearby mountains or other possible strong sources of radio interference.

Service should resume normally after the source of signal unavailability has been cleared. ◀

# CD player and CD changer\*

## Listening to CDs

### Starting CD player



For equipment with two drives:  
The upper drive is intended for audio CDs.  
Insert the CD with the labeled side facing upwards.  
Playback starts automatically if the sound output is on.

Currently not available:  
The CD player can also play CDs with MP3 contents. Depending on the directory and file structure, it may take up to 50 seconds to read in the data.

To start playback when there is already a CD in the drive:

Control Center, for principle details, refer to page 16:

1. Press button.

**MENU**

The start menu is opened

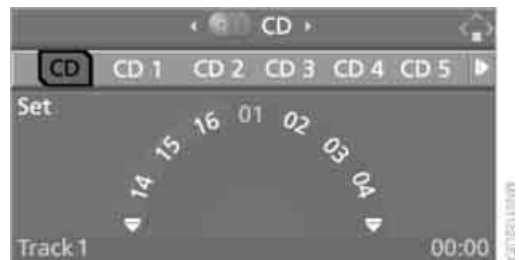


2. Move the controller backwards to open "Entertainment"

3. Select "CD" and press the controller



4. On vehicles with a CD changer, select "CD" and press the controller to start the CD player.



To eject the CD, press the button on the CD player:



The CD emerges slightly from the drive.

### Starting CD changer

1. Fill the CD magazine and insert, refer to page 142
2. Control Center, for principle, refer to page 16:  
Press button.

**MENU**

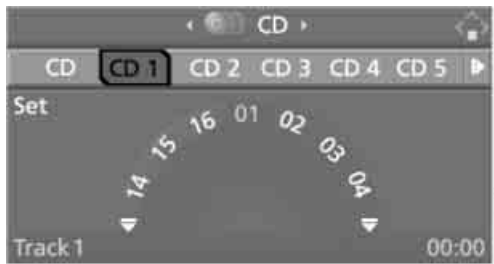
The start menu is opened



3. Move the controller backwards to open "Entertainment"
4. Select "CD" and press the controller
5. Select the desired CD and press the controller.

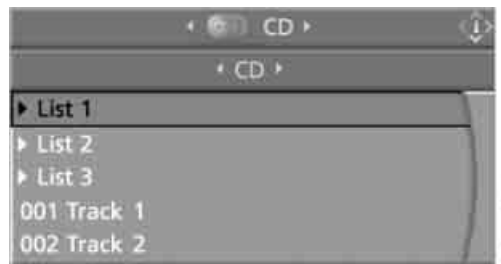
Control Center, for principle details, refer to page 16:

Select a track by turning the controller.



If you have a CD with MP3 content:

1. Select directory if necessary



At the end of the last track, the next CD will be selected.

If new CDs have been placed in the CD magazine, playback starts with the lowest CD, e.g. CD 1, track 1.

The CD magazine's load status is indicated on the Control Display.

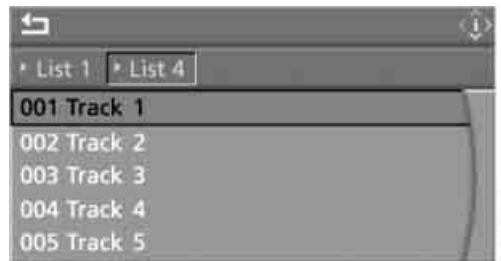
2. Select the music track and press the controller

## Selecting a track

Buttons on CD player:



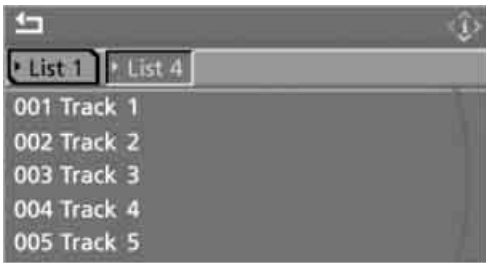
Press the button for the corresponding direction repeatedly, continuing until you reach the desired track on the current CD. The CD will start play at the start of the track. The track is displayed on the Control Display.




3. Select "play" and press the controller.

To change the directory:

Select the directory and press the controller.



To exit the menu:  
Select  and press the controller.

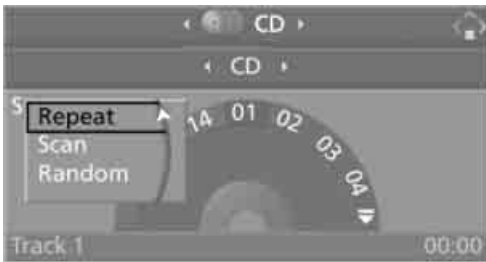
## Repeating a track

Control Center, for principle details, refer to page 16:

1. Select "Set" and press the controller.  
Other menu items are displayed



2. Select "Repeat" and press the controller.



The current music track on the CD is repeated.

End repeat:  
Press the controller, select "Repeat" and press the controller.

If you have a CD with MP3 content:



1. Select the current music track and press the controller
2. Select "repeat track" and press the controller.

The current music track on the CD is repeated.

End repeat:  
Press the controller, select "repeat track" and press the controller.

## Sampling tracks, scan

The system automatically plays a brief sample from each of the tracks on the current CD.

Control Center, for principle details, refer to page 16:

1. Select "Set" and press the controller.  
Other menu items are displayed
2. Select "Scan" and press the controller.

To stop the scan:

1. Press the controller once again
2. Select "Scan" and press the controller.

This cancels the scan, and the selected track remains.

If you have a CD with MP3 content:

1. Select the current music track and press the controller
2. Select "scan directory" and press the controller.

The system automatically plays a brief sample from each of the tracks in the current directory.

To stop the scan:

1. Press the controller once again
2. Select "scan directory" and press the controller.

This cancels the scan, and the selected track remains.

## Random play sequence

In this mode, the music tracks on the current CD are played once in a random sequence.

Control Center, for principle details, refer to page 16:

1. Select "Set" and press the controller. Other menu items are displayed
2. Select "Random" and press the controller.

End random:

Press the controller, select "Random" and press the controller.

If you have a CD with MP3 content:

1. Select the current music track and press the controller
2. Select "random directory" and press the controller.

In this mode, the music tracks in the current directory are played once in a random sequence.

End random:

Press the controller, select "random directory" and press the controller.

## Fast forward/reverse

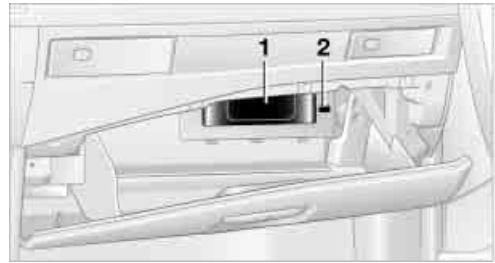
Buttons on CD player:



Press and hold the button for the corresponding direction.

The tracks can be heard, but the sound is distorted.

## CD magazine



The BMW CD changer for six CDs is installed in the glove compartment.

### Removing CD magazine

To insert or remove CDs from the CD magazine 1, you must first remove it from the CD changer:

1. Press button 2.  
The CD magazine 1 is ejected
2. Remove the CD magazine.

### Inserting/removing CDs from CD magazine



When inserting or removing CDs, remember to always only grasp them on the edge, taking care to avoid touching the data side with its mirror finish.

To insert:

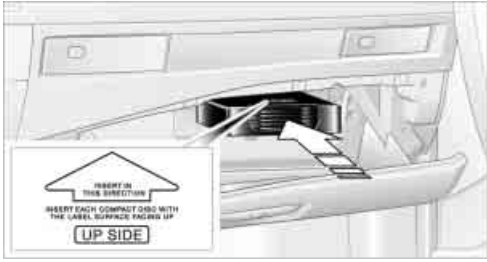
Insert the CD in its slot with the label side on top.

To remove:

Pull out the desired drawer, refer to arrow, and remove the corresponding CD.



## Inserting CD magazine



Push in the CD magazine as far as possible in the direction of the arrow.


The CD changer automatically reads in the loaded CDs and is then ready for operation.

## Notes

For correct playback of MP3 content, the MP3 data should have been produced with the Fraunhofer codec.

Good playback quality is achieved with a data transfer rate of 192 kBit/s, however it should be at least 128 kBit/s.

## Safety notice

 The BMW CD drives are Class 1 laser products. Do not operate if the cover is damaged, otherwise severe eye damage can result.

Do not use self-recorded CDs with labels applied as these can become detached during playback due to the development of heat and cause irreparable damage to the device.

Only use round CDs with a standard diameter of 4.7 in/12 cm and do not play CDs with an adapter, e.g. maxi CDs, as otherwise the CDs or the adapter can jam and may no longer be ejected.

Do not use a combined CD/DVD, e.g. DVD<sup>Plus</sup>, as otherwise the CD/DVD can jam and is no longer ejected. ◀

## Malfunctions

To prevent illegal CD copying, manufacturers often use copy protection. This can mean that some CDs cannot be played or only to a limited extent. In this case, please contact the CD dealer or manufacturer.

You may experience playback problems, such as skips, when using CD-Rs/CD-RWs that you have copied at home.

If the CD that you have loaded in the drive does not play, check to ensure that the CD has been inserted correctly and inspect it for signs of defects.

High levels of humidity can lead to condensation on the laser's scan lens and temporarily prevent it from reading the CD.

Keep CDs away from magnetic fields as created, e.g., by loudspeakers.

Always hold CDs by the edges; do not touch the reflecting CD memory surface.

## Care instructions

You can find everything you need to know on this topic by consulting the separate Caring for your vehicle brochure.



# Communications

This chapter summarizes how you operate your BMW portable phone via the Control Center or voice control and how you use BMW Assist or TeleService.


# Telephoning

## Safety notice


### For your own safety

A car phone makes life more convenient in many ways, and can even save lives in an emergency. While you should consult your portable phone's separate Owner's Manual for a detailed description of safety precautions and information, we request that you direct your particular attention to the following:


### Adjustments

 To avoid posing a danger to yourself and other road users, never adjust the system settings unless your vehicle is completely stationary. ◀


### Using the phone in your vehicle

 Using a portable phone to make and receive calls while driving is already illegal in many countries in the world. Always use your hands-free system, or stop your vehicle in an area where you will not pose a safety hazard to other road users. ◀

### Vehicles and portable phones

 Do not use your portable phone from within a garage, or near an open hood. The air in these areas could contain fuel vapors, and the portable phone might generate sparks that could result in burns. This same precaution applies to open luggage compartment lids on vehicles equipped for operation using natural gas or hydrogen, and to all vehicles with luggage compartment-mounted batteries. ◀


### Antenna

 When using the portable phone, ensure that all persons in the area are at least 20 in/50 cm from the antenna. Never use your BMW portable phone if the antenna is damaged. Contact between

your skin and a damaged antenna can result in minor burns.


If the antenna is damaged, have it replaced immediately. ◀

### Special environmental conditions


 Always switch off your BMW portable phone in areas where blasting work is being conducted with explosives. The phone signals could potentially act as a high-frequency transmitter and set off explosions.

Always switch off your BMW portable phone in areas where an increased explosion danger is present. This category includes service stations along with fuel and chemical storage depots, etc., and all areas in which the air can contain fuel, chemicals or metal particles. Under these conditions, your BMW portable phone could conceivably generate sparks that could lead to a fire or explosion. Always observe all legal regulations governing the use of portable phones in the vicinity of service stations, chemical factories and other areas where an explosion potential exists. Never use the BMW portable phone in aircraft; do not use this portable phone in hospitals, care centers or at other locations where medical equipment may be in operation, such as accident sites, etc. Your service provider can furnish you with more detailed information on legal regulations governing the use of your phone. ◀

### Medical equipment


 Portable phones can generate interference capable of preventing hearing aids and cardiac pacemakers from operating correctly. If you or any occupant of the vehicle will be using such equipment, consult a physician or the manufacturer of the equipment to determine whether it is adequately shielded against high-frequency energy. ◀

## Batteries

 Never attempt to dismantle your BMW portable phone or its battery. Use only approved battery types – the wrong battery can destroy your portable phone.

To avoid possible short circuits, after removing a battery you should never allow it to come into contact with metallic surfaces of any kind. ◀

## Disposing of used batteries

 Return used batteries to a recycling collection point or to your BMW center. ◀

## Care instructions

You can find what you need to know about caring for your portable phone in the Caring for your vehicle brochure and in the separate portable phone Owner's Manual.

## Operating options

You can operate the BMW portable phone\* with:

- ▷ The steering wheel, refer to page 11
- ▷ The Control Center, refer to page 148
- ▷ Voice control, refer to page 153.

## Telephoning with car phone: BMW Assist calls

You can use the car phone via the hands-free system for BMW Assist calls.

When the status information "Car Phone" is displayed in "Communication", only BMW Assist calls are possible.

## Activating the BMW portable phone\*

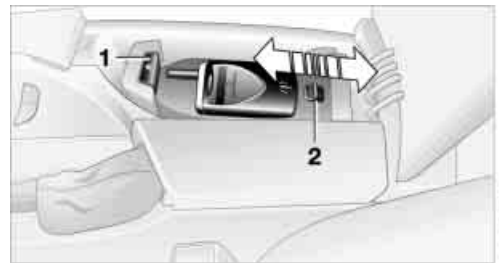
Requirements for portable phones with SIM card:

- ▷ Enter a Personal Identification Number, PIN, if necessary
- ▷ Remove all keypad locks, refer to separate Owner's Manual.

Before starting off, place the BMW portable phone in the cradle. If a connection to BMW Assist has been established, you cannot use the BMW portable phone until this connection has been terminated.

## Inserting portable phone

1. Press button 1
2. To adapt the cradle to the portable phone: Slide the switch 2 toward the front or rear




3. If necessary, remove the protective cap from the antenna connector on the back of the portable phone
4. Insert the portable phone with the antenna completely retracted
5. Press the cradle downwards.

When the status information "Portable" is displayed in "Communication", you can operate the BMW portable phone via the vehicle.

## Removing portable phone

Press button 1.

 For information on operating your portable phone, please consult the separate Owner's Manual. ◀

## Hands-free system



The hands-free microphone is located on the headliner.

The hands-free system is activated whenever you establish or receive a call using:

- ▷ The button on the steering wheel
- ▷ The Control Center
- ▷ Voice control.

## Adjusting volume



Turn the button during a call to select the desired volume.

This volume for the hands-free system is maintained, even if the other audio sources are set to minimum volume.

Depending on which key you have used to open the vehicle, the last adjustment is applied.

## Operation using Control Center

The following functions can be used via the Control Center as soon as the BMW portable phone has been laid in the cradle:

- ▷ Entering unlock code

- ▷ Dialing phone number
- ▷ Phone book
- ▷ Top 8
- ▷ Redialing
- ▷ Displaying accepted calls
- ▷ Displaying missed calls
- ▷ Text messages/SMS.

Control Center, for principle details, refer to page 16:

1. Press button.

### MENU

The start menu is opened

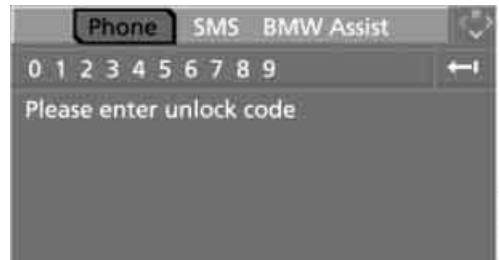


2. Move the controller forwards to open "Communication".

## Entering unlock code

if you are asked to enter the Unlock Code by a message on the Control Display:

1. Select "Phone" and press the controller



2. To enter the unlock code: select letters and digits individually and press the controller.

Each letter or digit of the unlock code is displayed on the Control Display with an asterisk.

To delete an incorrect digit:  
Move the controller to the right to select  
←| and press the controller

3. Select "Confirm unlock code" and press the controller.



## Receiving calls

If you have the phone number of the caller stored in the phone book and the phone number is transmitted, the entry is displayed.

## Accepting a call



Select "Accept" and press the controller.

## Rejecting a call

Select "Reject" and press the controller.  
The caller is diverted to your mailbox if this has been activated.

## Calling

### Dialing phone numbers

1. Select "Phone" and press the controller



2. Select "Dial" and press the controller
3. To enter the phone number: select digits individually and press the controller. Always enter the complete phone number consisting of area code, and phone number.

To delete an incorrect digit:  
Move the controller to the right to select  
←| and press the controller

4. Select "Dial number" and press the controller.



### Ending a call

1. If necessary, select the telephone number



2. Press the controller.  
Other menu items are displayed
3. Select "End call" and press the controller.



## Phone book

After placing the portable phones in the cradle, the phone book is transferred from the portable phone into the vehicle. This also applies to portable phones with a SIM card; the phone book of the SIM card will not be transferred. Loading the phone book can take several minutes.

## Dialing from phone book

1. Select "Phone" and press the controller



2. Select "A - Z" and press the controller:  
The entries of the phone book of the portable phone are displayed on the Control Display; they are sorted alphabetically.

To run a targeted search for an entry, select the first letter of the entry and press the controller.

The first entry that starts with this letter is displayed

3. Select the desired entry



4. Press the controller.  
Other menu items are displayed
5. Select "Call" and press the controller.  
The system dials the number.

If different phone numbers are stored in the portable phone under one name, e.g. office and home, the name is shown once for each phone number.

## Adding digits to phone numbers

You can add other digits to a phone number stored in the phone book, e.g. to call a specific extension:

1. Select "Phone" and press the controller
2. Select "A - Z" and press the controller
3. Select the desired entry
4. Press the controller.  
Other menu items are displayed
5. Select "Add digits" and press the controller
6. To supplement the phone number: select digits individually and press the controller
7. Select "Dial number" and press the controller.

## Lists

Your phone stores phone numbers you have dialed and calls you missed in lists.

If the caller is entered in the telephone book, the name of the caller is displayed instead of the phone number.

You can select the desired subscriber from the list and establish the connection.



Four lists are available:

- ▷ "Top 8".  
The eight numbers called most frequently via the list "A - Z" are automatically stored in the Top 8 list. The number called most often appears at the top of the list
- ▷ "Redial".  
The last eight phone numbers you have dialed are automatically stored. The last number dialed is at the top of the list
- ▷ "Received calls".  
The phone numbers of the last eight calls accepted while the portable phone was in its cradle are stored. Here, it must be possible for the telephone number of the caller to be sent
- ▷ "Missed calls".  
The phone numbers of the last eight calls not accepted while the portable phone was in its cradle are stored. Here, it must be possible for the telephone number of the caller to be sent.

### Dialing from a list

To select an entry and establish a connection:

1. Select "Phone" and press the controller
2. Select the list:
  - ▷ "Top 8"
  - ▷ "Redial"
  - ▷ "Received calls"
  - ▷ "Missed calls"



3. Press the controller
4. Select the desired entry



5. Press the controller.  
Other menu items are displayed
6. Select "Call" and press the controller.  
The system dials the number.

### Deleting individual entries

1. Select the desired entry from the list
2. Press the controller.  
Other menu items are displayed
3. Select "Delete" and press the controller.  
The entry is deleted.



### Deleting the entire list

1. Select an entry from the list
2. Press the controller.  
Other menu items are displayed
3. Select "Delete all numbers" and press the controller.  
The list is deleted.



## Touch tone dialing

Touch tone numbers are required for access network services or to control devices, e.g. remote access to an answering machine.

This function can only be used during a call.

1. Establish a connection



2. Press the controller.  
Other menu items are displayed
3. Select "Keypad" and press the controller
4. Select the desired digits and press the controller.  
Each digit is sent immediately.



## Text messages/SMS

✉ The symbol on the Control Display shows that you have received a new text message. The symbol is no longer displayed after there are no unread text messages.

The number of text messages that can be stored depends on the memory capacity of your BMW portable phone.

## Displaying text messages/SMS

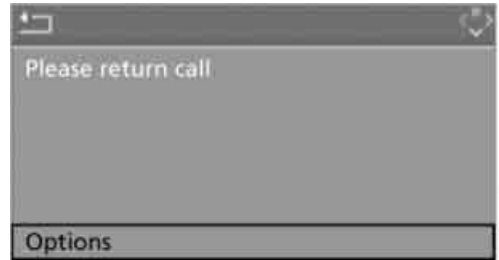
1. Select "SMS" and press the controller.




The list of received text messages is displayed on the Control Display.

✉ The symbol indicates unread text messages

2. Select the desired text message and press the controller.  
The text message is displayed.



To close the text message:

Move the controller forwards to select  and press the controller.

## Calling sender

1. Select the desired text message and press the controller.  
The text message is displayed
2. Select "Options" and press the controller
3. Select "Call sender" and press the controller.  
The selected sender is called.

## Deleting text messages/SMS


1. Select the desired text message and press the controller.  
The text message is displayed
2. Select "Options" and press the controller
3. Select "Delete" and press the controller.  
The text message of the portable phone is deleted.

## Operation by voice control\*

### The concept

You can operate your portable phone without having to remove your hands from the steering wheel. The system operates on the basis of voice commands that you learn easily after using them a few times. In addition, you are also supported by instructions or questions.

### Symbols used

-  ›...‹ indicates voice commands.  
 ›...‹‹ indicates instructions of the system.

### Example: dialing phone number


Start the dialog:


Briefly press  button on steering wheel.

Voice command	Response
›Dial number‹	››Please say the number‹‹
e.g. ›123 456 7890‹	››123 456 7890. Continue?‹‹
›Dial‹	››Dialing number‹‹

## Voice commands

In ignition key position 2:


1. Briefly press  button on steering wheel.  
A sound signal indicates operating readiness
2. Speak voice commands.  
To have the system list the voice commands possible in each case:

 ›Help‹.

### Canceling operation via voice

Briefly press  button on steering wheel or

 ›Cancel‹.

In dialogs where text of any kind can be spoken, e.g. a name, canceling is only possible using the  button. The dialog is automatically interrupted when an incoming call is received.

### Voice commands

In addition to the commands described in this Owner's Manual, alternative commands are often possible for the same functions, e.g.:

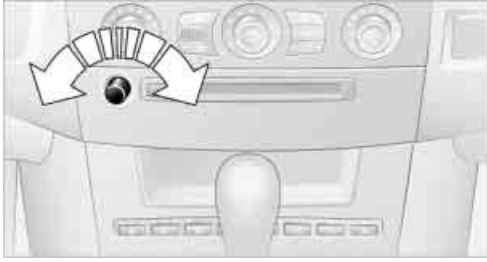
 ›Dial name‹ or ›Name‹.

Digits from zero to nine are understood.

You can say each digit individually or group them into a sequence of three to five digits to speed up the process.

## Adjusting volume

You can adjust the volume for the instructions from the system:



Turn the button during an instruction to select the desired volume.

This volume for the instructions is maintained, even if the other audio sources are set to minimum volume.

Depending on which key you have used to open the vehicle, the last adjustment is applied.

## First steps

### Entering unlock code

You can protect your BMW portable phone against misuse with a four-digit unlock code.

1. ›Input unlock code‹.  
The dialog for entering the unlock code is started
2. Speak unlock code
3. ›Send unlock code‹.

### Correcting unlock code

After the sequence of digits has been repeated by the system, the unlock code can be corrected.

1. ›Correct number‹.  
The block of digits is deleted
2. Speak the new unlock code on request
3. ›Send unlock code‹.

## Deleting unlock code

- ›Delete number‹.

## Canceling operation

- ›Cancel‹.

## Calling

### Dialing phone number

1. ›Dial number‹.  
The dialog for establishing a telephone connection is called up
2. Say the phone number.  
For telephone calls abroad, say ›Plus‹ and then the country code
3. ›Dial‹.  
The connection to the desired subscriber is established.

### Correcting phone number

After the last spoken sequence of digits has been repeated by the system, you can delete this sequence of digits.

- ›Correct number‹.  
The digits are deleted.

The command ›Correct number‹ can be repeated as often as you like.

### Deleting input

›Delete‹ is used to delete all the digits entered so far.

### Voice phone book

You can create a voice phone book with up to 50 phone numbers and names. The names and phone numbers in the voice phone book are independent of the memory of your BMW portable phone.

## Storing an entry

An entry always consists of a name and phone number.

1. ›Save name‹.  
The dialog for storing a name is called up
2. Speak name and repeat entry upon request.  
The duration of the name in the telephone book must not exceed approx. 2 seconds
3. Speak the phone number upon request
4. To save the phone number:  
›Save‹.

## Selecting an entry

The connection to the phone number of the selected entry is established.

1. ›Dial name‹.  
The dialog for selecting an entry is called up
2. Speak the name on request
3. Confirm the prompt with ›Yes‹.

## Reading out and selecting entries

You can have all the entries of your voice phone book read out in the order of input and select a certain entry to establish a connection:

1. ›Read phone book‹.  
The dialog for reading the phone book is called up
2. ›Dial number‹ when the desired entry is read out.

## Redialing

›Redial‹ dials the last phone number dialed.

## Deleting an entry

You can delete any entry from the voice phone book.

1. ›Delete name‹.  
The dialog for deleting an entry is called up
2. Speak the name on request
3. Confirm the prompt with ›Yes‹.

## Deleting all entries

›Delete phone book‹ deletes all entries in the phone book.

1. ›Delete phone book‹.  
The dialog for deleting phone book is called up
2. Confirm the prompt with ›Yes‹
3. Confirm the repeated prompt with ›Yes‹.

## Notes



The voice commands were available in English on going to print. Other languages are currently not available.

To operate the portable phone via the voice command system, refer to page 20. ◀

### Important for voice commands

For voice commands, bear the following in mind:

- ▷ Issue the commands fluently and at normal volume, avoiding excessive emphasis and pauses
- ▷ Keep the doors, windows and glass roof closed to prevent interference from ambient noise
- ▷ Avoid other sources of noise in the vehicle while speaking, and ask other vehicle occupants to refrain from talking while you are using the system.

## TeleService

TeleService supports you when communicating with a BMW center. The installed car phone can be used to transmit data on the service status of your vehicle or on legally mandated inspections directly to your BMW center. This is the same data that is also stored for CBS Condition Based Service in the ignition key. Your BMW center can then contact you, and you can make an appointment that suits you while you are still on the road. Your advantage is that your BMW center can prepare in advance for the required maintenance work. The TeleService functions are country-specific: The data on the service status of your vehicle or on legally prescribed inspections is transmitted on a country-specific basis either automatically before they fall due or while you call a BMW center. Your BMW center will be glad to provide more detailed information.

## BMW Assist

BMW Assist provides you with other services in addition to TeleService. For example, the position data of your vehicle can be transferred to the BMW Assist emergency call center if an emergency call has been initiated.

Many functions of BMW Assist depend on the individually agreed contract. Data transmission, e.g. of the CBS Condition Based Service, differs from country to country.

The subscriber agreement must be completed successfully before using the BMW Assist services.

## Requirements

The installed car phone is logged on to a portable telephone network. This network must be able to transmit the services.

To transmit position data, the vehicle must be able to determine the current position. This is displayed on the Control Display. In order to enable and update TeleService or BMW Assist, a GPS signal must be present.

### Enabling TeleService or BMW Assist

For you to be able to use the services of TeleService or BMW Assist, these must be enabled.

To do this, leave the ignition key in position 1 during the entire process.

Control Center, for principle details, refer to page 16:

1. Press button.

**MENU**

The start menu is opened



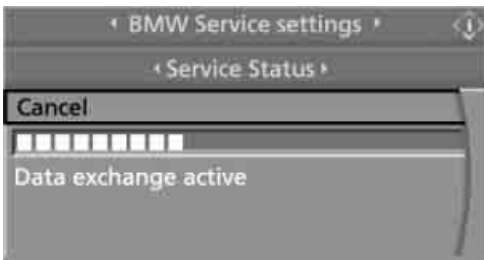
2. Press the controller to open the **i** menu
3. Select "Communication interface" and press the controller
4. Select "BMW Service settings" and press the controller



5. Select "Service Status" and press the controller



6. Select "Enable services" and press the controller.  
TeleService and, if applicable, BMW Assist are enabled; data exchange with the service center starts.



Enabling takes a few minutes. The status is displayed on the Control Display. If you open another menu, the enable process continues to run in the background.

These services are enabled.

## Services offered

The following special features apply for the services of TeleService and BMW Assist:

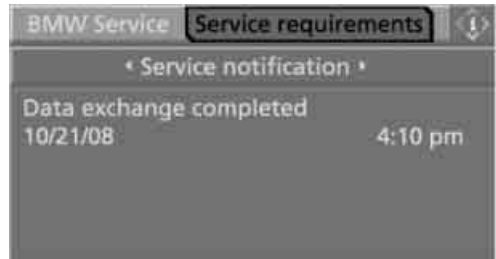
- ▷ The services offered are country-specific

- ▷ Voice contact is established or data are transferred in dependence on the equipment and the country. In some countries both are also possible
- ▷ The data transferred can be the vehicle data, your current position or the data of the CBS Condition Based Service.

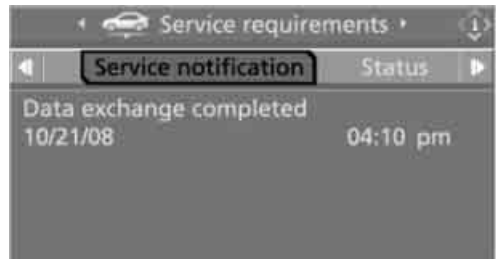
## Automatic service notification\*

The data on the service status of your vehicle or on legally prescribed inspections is transmitted automatically directly to your BMW center prior to the due date. You can check when the BMW center was notified. Control Center, for principle details, refer to page 16:

1. Open the start menu
2. Press the controller to open the **i** menu
3. Select "Service" and press the controller
4. Select "Service requirements" and press the controller



5. Select "Service notification" and press the controller.



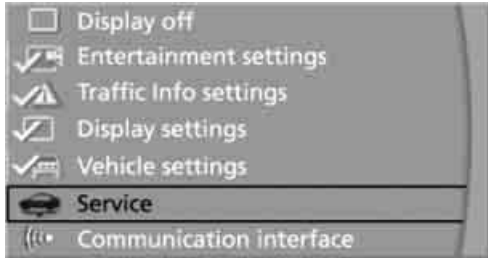
## Roadside Assistance

You can call Roadside Assistance\* of the BMW Group should you require help in the event of a breakdown.



Control Center, for principle details, refer to page 16:

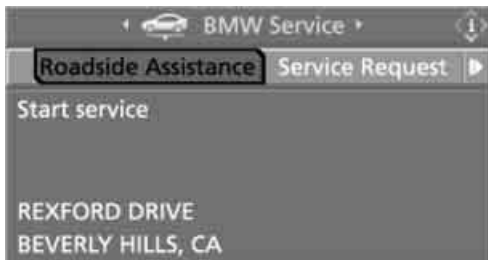
1. Open the start menu
2. Press the controller to open the **i** menu
3. Select "Service" and press the controller



4. Select "BMW Service" and press the controller



5. Select "Roadside Assistance" and press the controller.



If the current position can be determined, the current vehicle location is displayed

6. Select "Start service" and press the controller.



Contact to Roadside Assistance will be established.

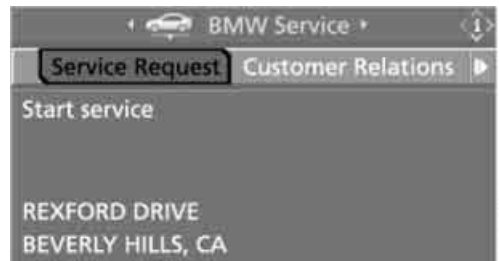
### Setting up contact to your BMW center or BMW Customer Relations

You can contact your BMW center, e.g. to arrange a service appointment.

For information related to your vehicle, call the BMW Customer Relations.

Control Center, for principle details, refer to page 16:

1. Open the start menu
2. Press the controller to open the **i** menu
3. Select "Service" and press the controller
4. Select "BMW Service" and press the controller
5. Select desired BMW center
  - ▷ "Service Request"
  - ▷ "Customer Relations"



6. Press the controller
7. Select "Start service" and press the controller.

Contact to the desired BMW center will be established.

## Adapting TeleService or BMW Assist

### Displaying and updating services

If the offering from TeleService or BMW Assist changes, you will be informed of this. In this case you should update the services.

Control Center, for principle details, refer to page 16:

1. Open the start menu
2. Press the controller to open the **i** menu
3. Select "Communication interface" and press the controller
4. Select "BMW Service settings" and press the controller
5. Select "Service Status" and press the controller.

You will be informed about the current scope of TeleService or BMW Assist.

These services are enabled

6. Select "Update services" and press the controller.



### Roaming

To be able to use the services of TeleService or BMW Assist in other countries as well, these must be supported by the foreign providers.

In addition, the services offered must be transmitted to your vehicle. You can do this in the following ways:

- ▷ Update services
- ▷ Switch on roaming.

The offering of the foreign services will be automatically transferred. This can result in additional costs.

Switching on roaming:

1. Open the start menu
  2. Press the controller to open the **i** menu
  3. Select "Communication interface" and press the controller
  4. Select "BMW Service settings" and press the controller
  5. Select "Profile" and press the controller
  6. Select "Roaming" and press the controller.
- Roaming is enabled.

### Terminating services

If you terminate the services, your vehicle will not be equipped to contact the BMW Assist call center. When an emergency call is initiated, the telephone connection to the general emergency number is established.

Control Center, for principle details, refer to page 16:

1. Open the start menu
2. Press the controller to open the **i** menu
3. Select "Communication interface" and press the controller
4. Select "BMW Service settings" and press the controller
5. Select "Service Status" and press the controller
6. Select "Terminate services" and press the controller.

The use of TeleService or BMW Assist is blocked. To deactivate the blocking function, enabling must be carried out again, refer to page 157. This does not affect the contractual agreements.

The automatic service notification can be disabled separately. Please contact your BMW center for this purpose.

Enable TeleService and, if applicable, BMW Assist once again to log on again.

## Displaying vehicle data

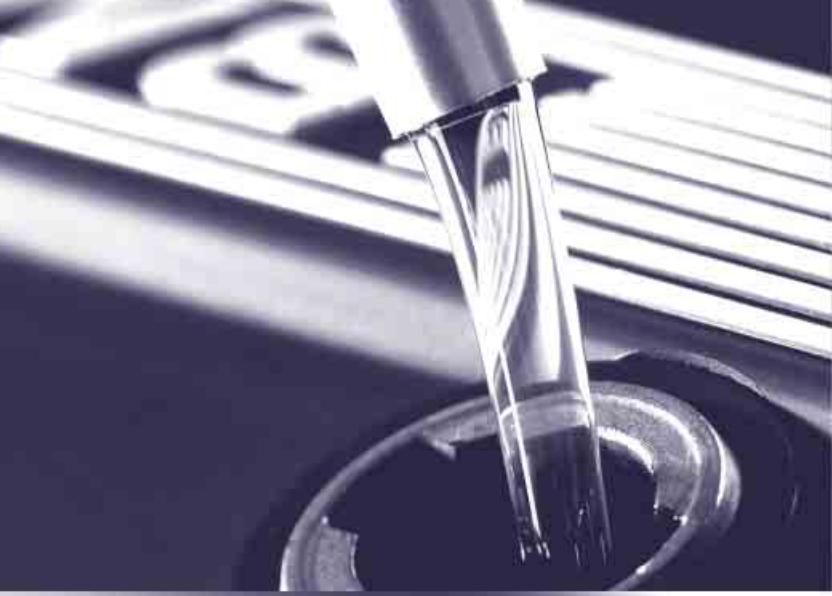
When TeleService or BMW Assist is activated, the colored designation, the license plate and the vehicle identification number of your vehicle can be displayed.

Control Center, for principle details, refer to page 16:

1. Open the start menu
2. Press the controller to open the **i** menu
3. Select "Communication interface" and press the controller
4. Select "BMW Service settings" and press the controller
5. Select "Profile" and press the controller.



To adapt the color designation and the license plate number, please contact your BMW center.





## Mobility

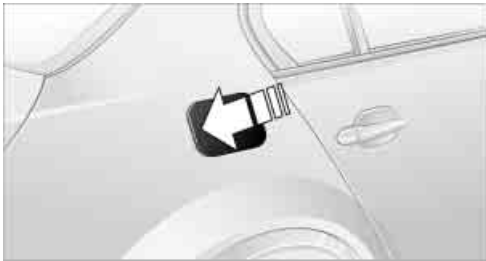
This section helps you maintain your mobility by supplying important information on vital topics including fuels and lubricants, wheels and tires, service, maintenance and how to deal with any problems that may occur.

## Refueling

**⚠** Always switch off the engine before refueling. If you do not, fuel cannot be filled into the tank and a message on the Control Display will appear. ◀

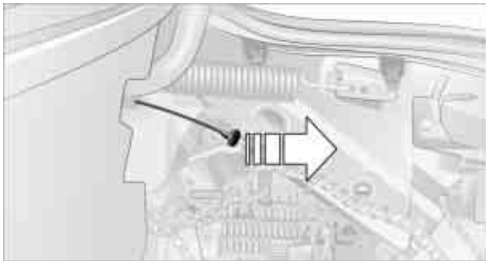
**⚠** Always observe all applicable precautions and regulations when handling fuels. Never carry spare fuel containers in your vehicle. Whether empty or full, these containers can leak, cause an explosion, and lead to fire in the event of a collision. ◀

### Fuel filler door



To open and close: press the rear edge of the fuel filler door.

### Manual release



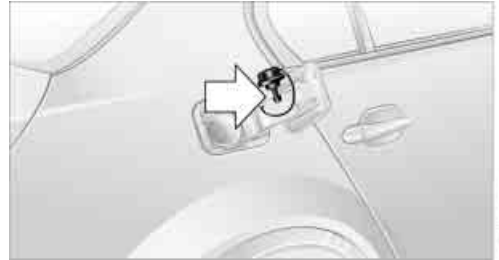
In the event of an electrical malfunction in the system, you can release the fuel filler door manually:

1. In the luggage compartment, raise the floor mat and the cover located beneath it
2. Open the snap fasteners of the right side panel and take off the side panel

3. Pull the knob with the gas pump symbol.

### Observe the following when refueling

**⚠** When handling fuels always observe any safety guidelines posted at the service station. ◀



Put the fuel filler cap in the bracket attached to the fuel filler door.

When refueling, insert the filler nozzle completely into the filler pipe. Lifting the filler nozzle during refueling

- ▷ results in premature pump shutoff
- ▷ can lead to reduced efficiency in the fuel-vapor recovery system.

The fuel tank is full when the filler nozzle clicks off the first time.

### Fuel tank capacity

Approx. 18.5 gallons/70 liters, including the reserve capacity of approx. 2.1 gallons/ 8 liters.

### Closing fuel filler cap

Fit the cap and turn it clockwise until you clearly hear a click.

**⚠** Close the filler cap carefully after refueling until a click is heard. While closing, be sure not to squeeze the strap which is fastened to the cap. A loose or missing cap will activate the message Check Gas Cap\* on the Control Display. ◀



Warning lamp\* lights up.  
The fuel filler cap is not properly closed or is missing. Check

whether the fuel filler cap is properly closed.



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

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. ◀

## Fuel specifications

The engine uses lead-free gasoline only.

### Required fuel

Premium Unleaded Gasoline,  
Minimum Octane Rating: 91.

This gasoline may produce knocking sounds when starting the engine at high outside temperatures. This has no effect 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 use leaded gasoline, as otherwise the lambda probe and catalytic converter will be permanently damaged. ◀

### 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

# Wheels and tires

## Tire inflation pressure

### Information for your safety


It is not merely the tire's 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 and if necessary adjust tire inflation pressures regularly, also on the compact wheel, at least every two weeks and before beginning a longer trip. 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 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 increases.

 After correcting the inflation pressure(s), always reinitialize the Flat Tire Monitor, refer to page 79. ◀


## Inflation pressures for standard tires



The inflation pressures for your standard tires at ambient temperature can be found on the door post when you open the driver's door.

## Inflation pressure for other tire sizes

The tables below provide all the correct inflation pressures for the specified tire sizes at ambient temperature.



 For correct identification of the right tire inflation pressure for your tires, observe the specifications for the corresponding tire size. ◀

## Tire size



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.



## 525i/530i

Tire size	Pressure specifications in psi/kPa			
	max. 			
All pressure specifications in the table are indicated in psi/kilopascal with cold tires. Cold = ambient temperature				
225/50 R 17 94 V M+S	29/200	35/240	36/250	44/300
225/50 R 17 94 W				
245/40 R 18 93 W				
225/55 R 16 95 Q,T,H M+S				
225/50 R 17 94 Q,T,H M+S				
Only 525i:				
225/55 R 16 95 V M+S				
225/55 R 16 95 V				
245/45 R 17 95 W	29/200	32/220	33/230	41/280
245/45 R 17 95 Q,T,H,V M+S				
Front: 245/40 R 18 93 W	29/200	-	36/250	-
Rear: 275/35 R 18 95 W	-	32/220	-	41/280
Front: 245/35 R 19 89 Y	29/200	-	33/230	-
Rear: 275/30 R 19 92 Y	-	32/220	-	41/280
Compact wheel: T 135/80 R 17 102 M			61/420	
More details on the permitted load and weights can be found on page <a href="#">198</a> .				

## 545i

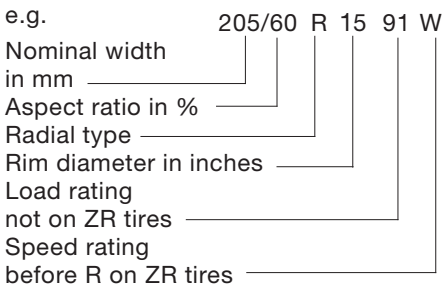
Tire size	Pressure specifications in psi/kPa			
	max. 			
225/50 R 17 94 V M+S	32/220	38/260	38/260	45/310
225/50 R 17 94 W				
245/40 R 18 93 Y				
225/50 R 17 94 Q,T,H M+S				
245/45 R 17 95 W	29/200	35/240	35/240	42/290
245/45 R 17 95 Q,T,H,V M+S				
Front: 245/40 R 18 93 Y	32/220	-	38/260	-
Rear: 275/35 R 18 95 Y	-	35/240	-	42/290
Front: 245/35 R 19 89 Y	32/220	-	38/260	-
Rear: 275/30 R 19 92 Y	-	35/240	-	42/290
Compact wheel: T 135/80 R 17 102 M			61/420	

More details on the permitted load and weights can be found on page 198.

## 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 letter

- Q = up to 100 mph/160 km/h
- T = up to 118 mph/190 km/h
- H = up to 131 mph/210 km/h
- V = up to 150 mph/240 km/h

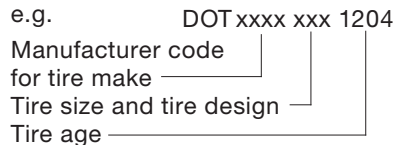
W = up to 167 mph/270 km/h

Y = up to 186 mph/300 km/h

### Tire Identification Number

Tires with DOT codes meet the guidelines of the U.S. Department of Transport.

DOT code:



### Tire age

The date of manufacture of the tires is marked on the tires themselves:  
DOT ... 1204 means that the tire was made in the 12th week of 2004.

BMW recommends that you replace all tires after 6 years at the latest, independently of the fact that tires can reach an age of 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:

Treadwear 200 Traction AA


Temperature A

## DOT Quality Grades

Treadwear

Traction AA A B C

Temperature A B C

 All passenger car tires must conform to Federal Safety Requirements in addition to these grades. ◀

## Treadwear

The treadwear 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, 1½, 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 170.

## M+S

Winter and all-season tires.

These have better winter properties than summer tires.

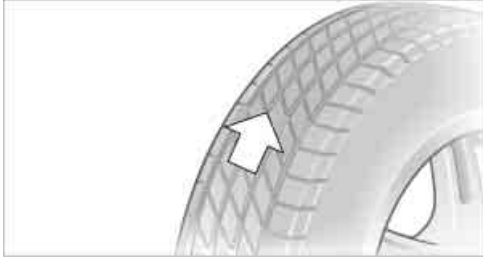
## Tire condition

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 0.12 in/3 mm, although, for example, European legislation only specifies a minimum tread depth of 0.063 in/1.6 mm. At tread depths below 0.12 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. As winter tires display a noticeable loss in their ability to cope with cold-weather driving conditions once the tread wears to below 0.16 in/4 mm, to ensure continued safety you should always have such tires replaced.



Wear indicators at the tread-groove base, refer to arrow, are distributed over the tire's circumference and are marked on the side of the tire with TWI – Tread Wear Indicator. These indicators signal at a tread depth of 0.063 in/1.6 mm that the legal wear limit has been reached.

## Wheel/tire damage

 Due to low-profile tires, please note that wheels, tires and suspension parts are 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. These kinds of problems may also be signaled by other changes in vehicle response, such as a strong tendency to pull to the left or right. In these cases, immediately reduce speed. Drive cautiously to the nearest BMW center or tire dealer or, if necessary, have the vehicle towed there. Tire damage, extending to sudden and complete loss of pressure in extreme cases, can pose a potentially lethal safety hazard for the vehicle's occupants and other road users alike. ◀

## Run-flat tires\*




You will recognize run-flat tires by a circular symbol containing the letters RSC on the side of the tire. Run-flat tires consist of self-contained tires and special rims. The tire reinforcement ensures that the tire retains some residual safety in the event of pressure drop and driving remains possible to a restricted degree.

## Continuing driving with a damaged tire

Driving on run-flat tires can continue, depending on the vehicle load and the severity of the tire damage, at a maximum speed of 50 mph/80 km/h.


In the case of complete tire pressure loss, 0 psi/0 kPa, or obvious tire damage, you can estimate the possible distance for continued driving on the basis of the following guide values:

- ▷ With low load:  
1 to 2 persons without luggage:  
Approx. 155 miles/250 km
- ▷ With medium load:  
2 persons, luggage compartment full, or  
4 persons without luggage:  
Approx. 94 miles/150 km
- ▷ With full load:  
4 persons or more, luggage compartment full:  
Approx. 30 miles/50 km

 Drive reservedly and do not exceed a speed of 50 mph/80 km/h. In the event of pressure loss, vehicle handling changes. This includes reduced track stability in braking, extended braking distance


and altered natural steering characteristics. If unusual vibrations occur while the vehicle is being driven, this can indicate final failure of the damaged tire. Reduce speed and stop as soon as possible. Do not continue driving. Contact your BMW center. ◀

## New wheels and tires


 Only have new wheels and tires mounted by a specialist. If this work is not carried out properly, there is a danger of subsequent damage and related safety hazards. ◀

You can find out the right wheel-tire combination from your BMW center. Have the wheel and tire assemblies balanced every time either a wheel or a tire is replaced.

The correct combination of wheels and tires is another vital factor in ensuring reliable operation of various vehicle systems such as ABS and DSC.

 BMW does not recommend that you use retreaded tires, since driving safety may be impaired. Possible variations in the design and the age – which could be substantial – of the carcasses can lead to unusually rapid wear. ◀

## The right 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 than the approved units – these differences could lead to body contact, and with it the risk of severe accidents. If non-approved wheels and tires are used, BMW cannot evaluate their suitability, and therefore cannot be held liable for driving safety. ◀

To maintain good handling and vehicle response, use only tires of a single tread configuration from a single manufacturer. After flat tire, always remember to have the

specified wheel and tire combination remounted on the vehicle as soon as possible.


## Recommended tire sizes and makes

BMW tests certain tire brands for each tire size, classifies them as road-safe and approves them. You can find out about these at specialized dealers or at your BMW center. Observe any country-specific regulations, e.g. on making a corresponding entry in the vehicle documents.

The factory-mounted tires have been specially selected to provide optimized performance when installed on your vehicle; if properly cared for, they will provide a combination of safety and excellent ride comfort.

## Run-flat tires

If your BMW is equipped with run-flat tires, refer to page 170, only use these tires, as in the event of a breakdown there is no spare wheel available.

 For safety reasons, BMW recommends that you do not have damaged run-flat tires repaired; they should be replaced. ◀

## 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.

## Run-flat tires

If your BMW is equipped with run-flat tires, refer to page 170, when mounting new tires or converting from summer to winter tires, or vice versa, use only run-flat tires, as in the case of a flat tire, no spare wheel is available. Your BMW center will be glad to advise you.

## Observing speed ratings



Never exceed the maximum speed for which the winter tires are rated. Unprofessional attempts by laymen to service tires can lead to damage and accidents. Have this work performed by skilled professionals only. The technicians at your BMW center will be glad to assist you with the required professional knowledge and specialized equipment. ◀

## 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 side wall of the tire.

## Snow chains\*

BMW only tests certain snow chains, classifies them as road-safe and approves them. Consult your BMW center for more information. BMW recommends only using these approved, narrow-link snow chains. Use is only permitted in pairs with winter tires on the rear wheels.

Observe the manufacturer's instructions when mounting snow chains.


Do not exceed a vehicle speed of 30 mph/50 km/h with the chains mounted.



After mounting snow chains, do not activate the Flat Tire Monitor.

When you are driving with snow chains, it can be beneficial to switch off DSC briefly, refer to page 77. ◀

# Under the hood

 Never attempt to perform any service or repair operations on your vehicle without the required, professional technical training. If you are unfamiliar with the service procedures and precautions, always have any required work on your vehicle carried out at your BMW center. If this work is not carried out properly, there is a danger of subsequent damage and related safety hazards. ◀

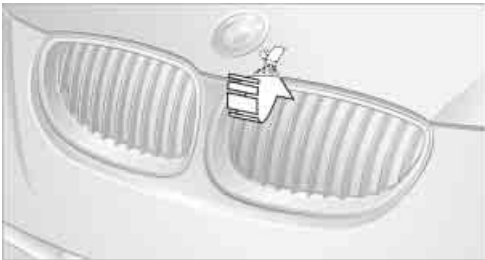
## Hood

### Releasing



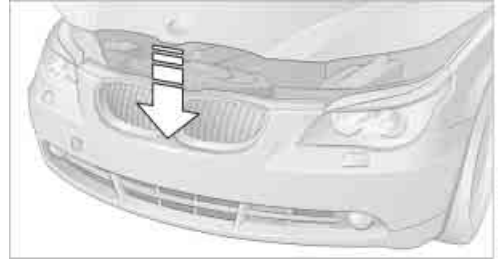
Pull the lever located under the left side of the instrument cluster.

### Opening




Press the release handle and open the engine 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 engine hood is clear, as otherwise injuries may result. If you see any signs that the hood is not completely closed while driving your vehicle, you should stop at once and close it securely. ◀

## Engine compartment

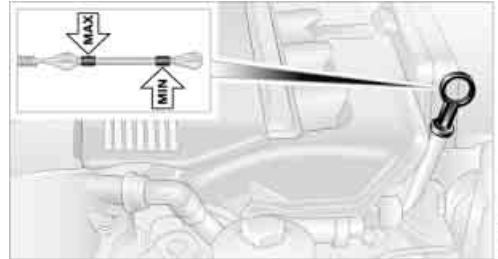


VW10050503/04

- 1 Filler neck for engine oil, refer to Topping up engine oil
- 2 Brake fluid reservoir, located beneath the microfilter cover
- 3 Starting-aid terminal, refer to page 189
- 4 Dipstick for engine oil, refer to Checking oil level. The dipstick is further toward the rear on the 545i
- 5 Washer fluid reservoir of the headlamp and windshield cleaning systems, refer to page 57
- 6 Expansion tank for coolant, refer to page 175

3. Carefully push the dipstick all the way into the guide tube and pull it out again
4. The oil should extend to between the two marks on the dipstick.

The engine oil consumption is dependent on driving style and driving conditions.



VW10050503/04

## Engine oil

### Checking oil level

1. Park the vehicle with the engine at operating temperature in a horizontal position
2. After approx. 5 minutes, pull the dipstick 4 out and wipe it off with a clean lint-free cloth, paper towel, or similar material


The oil quantity between the centers of the two marks on the dipstick, refer to arrow, is approx. 1.6 US quarts/1.5 liters. Do not fill beyond the upper mark on the dipstick. Excess oil can damage the engine.



## Topping up engine oil



Do not top up the oil until the oil level has dropped to just above the lower marking on the dipstick. In this area a message also appears on the Control Display.


 Continuous exposure to used oil has caused cancer in laboratory testing. For this reason, any skin areas that come into contact with oil should be thoroughly washed with soap and water. Store oil, grease, etc., well out of the reach of children; always observe all warning labels on the containers. ◀

## 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.

Use only approved BMW High Performance Synthetic Oil.

If you are unable to obtain BMW High Performance Synthetic Oil, you can add small amounts of another synthetic oil between oil changes. Use only oils with the API SH specification or higher.


 Ask your BMW center for details concerning the specific BMW High Performance Synthetic Oil or synthetic oils which have been approved. ◀

You can also call BMW of North America at 1-800-831-1117 or visit this website: [www.bmwusa.com](http://www.bmwusa.com) to obtain this information.

## Viscosity ratings


Viscosity is the oil flow rating as defined in SAE classes.

The selection of the correct SAE class depends on the climatic conditions in the area where you typically drive your BMW.


 Approved oils are in SAE classes 5W-40 and 5W-30. ◀


These oils may be used for driving in all ambient temperatures.

## Coolant

 Do not add coolant to the cooling system when the engine is hot. Escaping coolant can cause burns. ◀

Coolant consists of water and the addition of antifreeze and anticorrosion agent. Not all commercially available additives are suitable for your BMW. Ask your BMW center for suitable additives.

 Only use suitable additives, as otherwise engine damage may result. The additives present a health hazard; observe the instructions on the containers. ◀

 Always observe all applicable rules and regulations for environmental protection when disposing of used anti-freeze and anticorrosion agents. ◀

## Checking coolant level



1. The engine must be at ambient temperature
2. Turn the cap of the expansion tank counterclockwise to allow any accumulated pressure to escape, then continue turning to open

3. The coolant level is correct when the coolant extends to between the MIN and MAX marks, refer to the diagram adjacent to the filler neck
4. If the coolant is low, slowly add coolant up to the specified level – do not overfill
5. Close the cap tightly
6. Have the reason for the coolant loss eliminated as soon as possible.



For your own safety: use only brake pads that BMW has approved for your particular vehicle model. As BMW cannot assess the suitability of other brake pads for use on your vehicle, we are unable to assume continued responsibility for the vehicle's operating safety if non-approved pads are installed. ◀

## Brake system

### Malfunction

#### Brake fluid



The warning lamp lights up in spite of the handbrake being released; a message appears on the Control

Display:

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 by a BMW center immediately.



Display of the previously described malfunction on Canadian models.



When you continue driving, an increased brake pedal path can be necessary, and significantly longer braking distances might be required. Please adapt your driving style accordingly. ◀

#### Brake pads



The warning lamp lights up in spite of the handbrake being released; a message appears on the Control

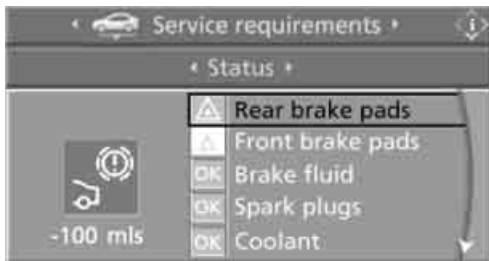
Display. The brake pads have reached their minimum pad thickness. Have brake pads replaced immediately.



Display of the previously described malfunction on Canadian models.

# Maintenance

## The 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 ultimate objective is to ensure economical maintenance by providing the ideal service for your vehicle.

Should the day come when you decide to sell your BMW, you will find that a complete dealer service history is an asset of inestimable value.

### 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 maintenance requirement. By letting you define a service and maintenance regimen that reflects your own individual requirements, the system builds the basis for trouble-free driving.

The Service requirement display, refer to page 65, individually displays the time or distance remaining for selected maintenance work and any legally prescribed intervals:

- ▷ Engine oil
- ▷ Brakes, front and rear separately
- ▷ Microfilter/activated-charcoal filter


- ▷ Brake fluid
- ▷ Spark plugs
- ▷ Vehicle check
- ▷ Legally prescribed inspections depending on local regulations.

Your vehicle stores this information continuously in the master key while the vehicle is being driven. After accessing the data stored in the master key, your BMW Service Advisor can suggest precisely the right array of service procedures for your own individual vehicle. You should therefore hand over to the BMW Service Advisor the key you last used to drive when you take your vehicle for service.

 Make sure the date in the Control Center is always set correctly, refer to page 74, as otherwise the effectiveness of CBS Condition Based Service is not ensured. ◀

### 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.

 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, and may also be required when submitting warranty claims. ◀

## Care


Important information on the care and maintenance of your BMW is contained in the Caring for your vehicle brochure.

# Rules and regulations

## California laws

### Proposition 65 Warning

California laws require 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.

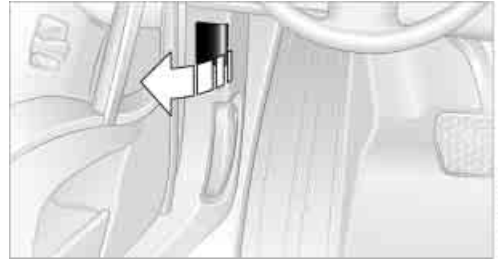
Battery posts, terminals and related accessories contain lead and lead compounds. Wash your hands after handling.

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

### Event Data Recorders

Your vehicle may be equipped with one or more sensing and diagnostic modules or a recording device capable of recording or transmitting certain vehicle data or information. In addition, if you have a Subscription Service Agreement for the BMW Assist system, certain vehicle information may be transmitted or recorded in order to provide such services.

## OBD connector



The Onboard Diagnostic OBD interface socket is located on the left of the driver's side under the instrument panel and under a cover.

The cover has the letters OBD on it.

The purpose of the OBD system is to ensure proper operation of the emission control system for the vehicle's lifetime. The system monitors emission-related components and systems for deterioration and malfunction.




An illuminated indicator lamp informs you of the need for service, not of the need to stop the vehicle.

However, the systems should be checked by your BMW center at the earliest possible opportunity.



Display of the previously described malfunction on Canadian models.

Under certain conditions, the indicator lamp will blink or flash. This indicates a rather severe level of engine misfire. When this occurs, you should reduce speed and consult the nearest BMW center as soon as possible. Severe engine misfire over only a short period of time can seriously damage emissions control components, especially the catalytic converter.

 When the fuel filler cap is not properly tightened, the OBD system can detect the vapor leak and the indicator lamp will light up. If the filler cap is subsequently tightened, the indicator lamp should go out within a few days. ◀

# Replacing components

## Onboard tool kit



The onboard tool kit is located in the luggage compartment lid.

Loosen the wingnut to open.


## Windshield wiper blades



To replace, fold the wiper arm up and hold. Press the catches together while pushing the wiper blade out of the front.


## Lamps and bulbs


Lamps and bulbs make an essential contribution to vehicle safety. Therefore, comply fully with the following instructions during bulb replacement. If you are not familiar with the specified procedures, have the replacements carried out at your BMW center.

 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 cloth, napkin, etc., or hold the bulb by its metal socket. ◀

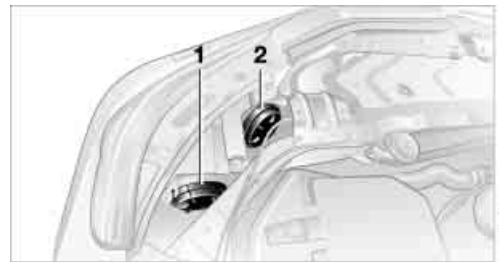
You can obtain a selection of replacement bulbs at your BMW center.

 To prevent short circuits, before working on any electrical systems or equipment you should always switch them off and disconnect the cable from the battery's negative terminal before starting. To avoid possible injury or equipment damage when changing bulbs, observe any instructions provided by the bulb manufacturer. ◀

 When maintaining the headlamps, comply with the instructions in the separate Caring for your vehicle brochure. ◀


## Halogen headlamps


The illustration shows the left-hand side of the engine compartment.



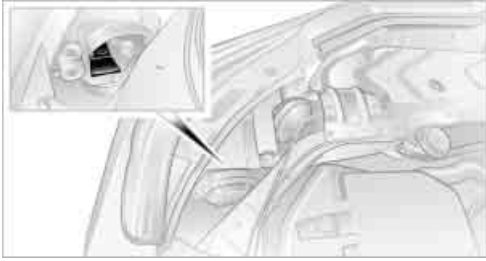
- 1 Cover cap for low beams
- 2 Cover cap for high beams

Turn the cover cap to the left and remove.

 Always wear gloves and eye protection – the atmosphere within the H7 bulb is pressurized. Failure to observe this precaution can lead to personal injury should the bulb be damaged. ◀

 For checking and adjusting headlamp aim, please contact your BMW center. ◀

## Low beams



H7 bulb, 55 watts

1. Turn the bulb holder to the left and remove
2. Remove and replace the bulb.

## High beams



H7 bulb, 55 watts

1. Turn the bulb holder to the left and remove
2. Remove and replace the bulb.

## Parking and roadside parking lamps



Bulb 5 watts, W 5 W

1. Turn the cover cap for low beams or high beams to the left and remove
2. Pull the bulb holder out
3. Remove and replace the bulb.

## Xenon lamps\*

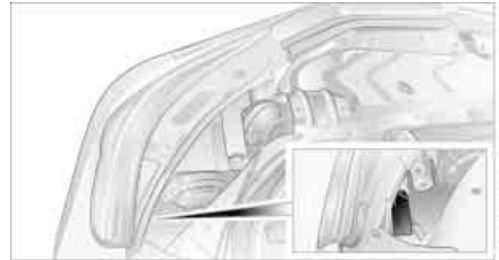
The service life of these bulbs is very long and the probability of a failure is very low, provided that they are not switched on and off an unusual number of times. In the unlikely event that one of these lamps should fail, you can respond by switching on your fog lamps and proceeding carefully in accordance with the reduced visibility, where allowed by law.

**⚠** Have all work on the xenon lighting system including changing bulbs carried out by a BMW center only. Due to the high voltage present in the system, there is a danger of fatal injuries when work is carried out improperly. ◀

## Parking and roadside parking lamps

Please contact a BMW center in case of a malfunction.

## Turn signals, front

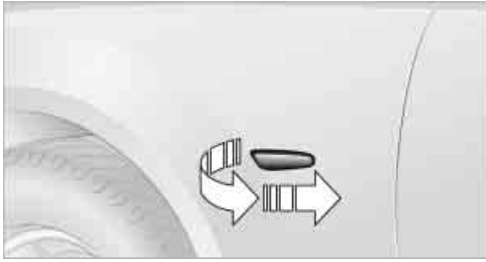


Bulb 21 watts, PY 21 W

1. Turn the bulb holder to the left and remove
2. Apply gentle pressure to the bulb while turning it to the left for removal and replacement.



## Side-mounted turn signals



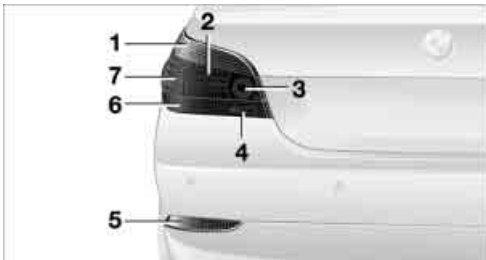
Bulb 5 watts, W 5 W

1. Press against the front edge of the lamp with the tip of your finger, then push it to the rear and release the detent at the front
2. Turn the lamp 90° and remove
3. Turn the bulb holder to the left and remove
4. Extract the bulb for replacement.

## Side marker lamps, front and rear

Please contact your BMW center for replacement.

## Tail lamps



- 1 Turn signals
- 2 Rear and brake lamp
- 3 Rear and brake lamp
- 4 Backup lamps
- 5 Reflector
- 6 Reflector

## 7 Roadside parking, rear and brake lamp

- ▷ Turn signals:  
Bulb 21 watts, PY 21 W
- ▷ Backup lamps:  
Bulb 16 watts, W 16 W
- ▷ Other lamps:  
Bulb 21 watts, P 21 W

## Center brake lamp

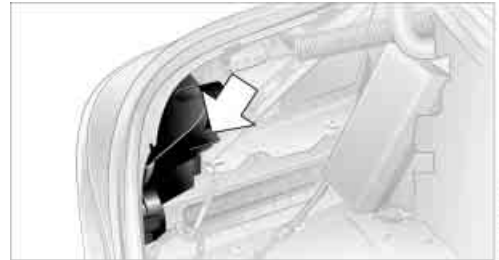
This lamp uses LED technology for operation. Please contact your BMW center in case of a malfunction.

## Fender-mounted lamps

The illustration shows the recess on the left side of the luggage compartment.

All the bulbs are integrated a central bulb fitting.

1. Remove the side panel
2. Unclip the bulb fitting and remove



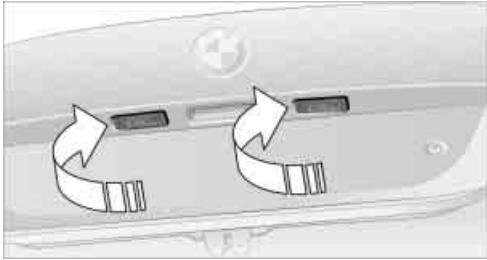
3. Backup lamps:  
Remove and replace the bulb.  
Other bulbs:  
Apply gentle pressure to the bulb while turning it to the left for removal and replacement.

## Lamps in luggage compartment lid

### License plate lamp

Bulb 5 watts, C 5 W

1. Insert a screwdriver in the slot and press to the right, refer to arrows; thus unlocks the lamp




2. Remove the lamp and replace the bulb.

### Backup lamps


Please contact a BMW center in case of a malfunction.

### 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, and never stare into the unfiltered light several hours, as irritation of the retina could result. ◀

## Changing wheels

 Safety measures in the event of a breakdown or wheel change:  
Park the vehicle as far away as possible from moving traffic and on firm ground. Switch on the hazard warning flashers. Lock the steering wheel in straight-ahead setting of the wheels. Apply the handbrake and engage first gear, reverse gear or selector-lever position P.

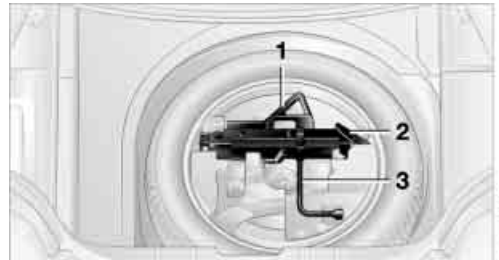
Have all vehicle occupants get out of the vehicle and ensure that they remain outside the immediate area in a safe place, such as behind a guardrail.

If a warning triangle or portable hazard warning lamp is required, set it up on the roadside at an appropriate distance from the rear of the vehicle. Comply with all safety guidelines and regulations. Change the wheel only on a level, firm surface which is not slippery. The vehicle or the jack could slip to the side if you attempt to raise the vehicle on a soft or slippery surface such as snow, ice, tiles, etc. Position the jack on a firm support surface. Do not use a wooden block or similar object as a support base for the jack, as this would prevent it from extending to its full support height and reduce its load-carrying capacity.

To avoid serious or fatal injury: never lie under the vehicle, and never start the engine while it is supported by the jack. ◀

### What you will need

To avoid rattling noises later on, note the positions of the tools before removing them, then return them to their initial positions after completing work.

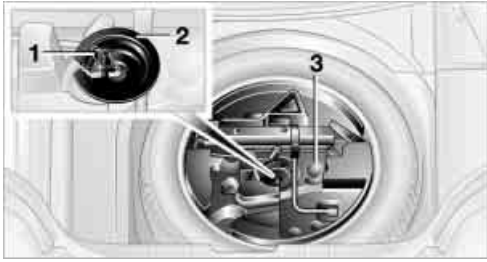


- 1 Chock
- 2 Vehicle jack
- 3 Lug wrench

are located in the tool space in the compact wheel.

1. Lift up floor mat or floor panel flap and cover located below it
2. Take out the required tool(s)
3. After using the tools, return them to the storage space.

## Compact wheel\*



1. Unscrew the wing nut **1**
2. Remove the disk **2** to the side
3. Take out the tool brackets **3**
4. Remove the compact wheel.

## Preparing wheel change

1. Observe the safety precautions above
2. To secure the vehicle against movement:  
Place the wheel chock behind the front wheel on the side opposite the side being raised. If the vehicle is parked on a downward slope, place the chock in front of the wheel. On a steep grade, also secure the vehicle against rolling
3. Loosen the lug bolts a half turn.

## Jacking up vehicle

1. Position the vehicle jack at the jacking point closest to the wheel so that the entire surface of the jack base perpendicularly contacts the ground under the jacking point



The vehicle jack is designed for changing wheels only. Do not attempt to raise another vehicle model with it or to raise any load of any kind. To do so could cause accidents and personal injury. ◀

2. Guide the jack head into the rectangular recess of the jacking point when cranking up, refer to section of illustration



3. Jack the vehicle up until the wheel you are changing is raised from the ground.

## Mounting a wheel

1. Unscrew the lug bolts and remove the wheel
2. Remove accumulations of mud or dirt from the mounting surfaces of the wheel and hub. Clean the lug bolts
3. Position the new wheel or compact wheel. Secure the wheel by turning at least two lug bolts into opposite bolt holes.  
When you mount wheels other than Genuine BMW light-alloy wheels, different lug bolts may also be required
4. Screw in the remaining lug bolts. Tighten all the bolts securely in a diagonal pattern
5. Lower the vehicle and remove the jack from beneath the vehicle.

## Following installation

1. Tighten the lug bolts in a diagonal pattern



To ensure safety, always have the lug bolts checked a calibrated torque wrench as soon as possible to ensure that they are tightened to the specified torque. The tightening torque is 88.5 lb ft/120 Nm. ◀

2. Reverse the removal sequence when storing the wheel and tools in the vehicle
3. Check and correct the tire inflation pressure at the earliest opportunity



Protect valve stems and valve stem seal caps against dirt and


contamination. Dirt in valve stems is a frequent source of gradual air loss. ◀

4. Reinitialize the Flat Tire Monitor, refer to page 79
5. Replace the damaged tire with a new one as soon as possible and have the new wheel balanced.

## Driving with compact wheel

Drive reservedly and do not exceed a speed of 50 mph/80 km/h.

The driving characteristics change, for example reduced track stability on braking, extended braking distance, and altered self-steering characteristics in the limit range. In conjunction with winter tires, these characteristics are more pronounced.

 Only one compact wheel may be mounted. You should re-equipping to wheels and tires of the original size as quickly as possible. ◀

## Battery


### Battery care

The battery is 100 % maintenance-free, i.e., 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 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 189.

### 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 restrain the battery to prevent it from tipping over during transport. ◀

## Power failure

Following a temporary power failure, e.g. in the case of a flat battery, some equipment is subject to restricted use and must be reinitialized. Individual settings are also lost and must be updated again:

- ▷ Active steering  
The system is deactivated and has to be initialized, refer to page 80. Until then, greater steering wheel movement is required
- ▷ Seat, mirror and steering wheel memory  
The position must be newly stored, refer to page 38
- ▷ Time and date  
Must be updated, refer to page 73 ff.
- ▷ Radio  
Stations must be stored again, refer to page 134
- ▷ Navigation system  
Wait to see what happens with the functional capability, refer to page 124.

## Fuses

 Never attempt to repair a blown fuse, and do not replace a defective fuse with a substitute of another color or amperage rating, as this could lead to a circuit overload, ultimately resulting in a fire in the vehicle. ◀

Spare fuses, plastic tweezers and details of the fuse assignment are located in the compartment for the onboard tool kit, refer to page 181.

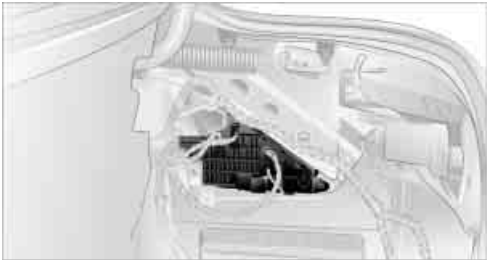
## In glove compartment

1. Turn the two snap fasteners outwards



2. Fold the cover forwards or remove.

## In luggage compartment



1. Raise the floor mat and the cover beneath it
2. Undo the quick-release fastener of the right side panel and pull out the panel.

# Giving and receiving assistance

## Initiating an emergency call\*

Conditions for an emergency call:

- ▷ Ignition key as of position 1
- ▷ The car phone is logged on to a cellular telephone network
- ▷ The emergency call system is operable.

To initiate an emergency call:



1. To open the protective cover of the emergency call button:  
Tap protective cover
2. Press the emergency call button for at least 2 seconds.

The indicator lamp in the button lights up. As soon as the voice connection to the BMW Assist response center has been established, the indicator lamp flashes.

If conditions allow, 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 with vehicles with an activated BMW Assist, it will be transmitted to the BMW Assist response center.

Activating BMW Assist, refer to page 157.


If the indicator lamp flashes, but you are unable to hear the BMW Assist response center through the hands-free system, this could indicate, for instance, that the hands-free system is no longer operational.

However, the BMW Assist response center may then still be able to hear you.

Under certain conditions, an emergency call is initiated automatically 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. ◀

## Warning triangle\*


 Always observe all legal regulations requiring a warning triangle to be carried in the vehicle. ◀



The warning triangle is located in the luggage compartment lid.

Loosen the wingnut to open.

## First-aid kit\*

 Some of the articles contained in the first-aid kit have a limited service life. Therefore, check the expiration dates of the contents regularly and replace the contents concerned in good time if necessary. You can find replacements in any pharmacy.

Always observe all legal regulations requiring a first-aid kit to be carried in the vehicle. ◀



The first-aid kit is located in the luggage compartment lid.

Loosen the wingnut to open.

## Roadside Assistance\*


The Roadside Assistance of the BMW Group offers you assistance in the event of a breakdown around the clock, also at weekends and on public holidays.

The phone numbers of the Roadside Assistance in your home country can be found in the BMW Dealer Directory.

In the case of vehicles with BMW Assist or TeleService, you can contact the Roadside Assistance of the BMW Group for assistance in the event of a breakdown directly via the Control Center, refer to page 158.


## Jump-starting

When your battery is discharged, you can use two jumper cables to start your BMW with power from the battery in a second vehicle. You can also use the same method to help start another vehicle. Use only jumper cables with fully-insulated clamp handles.


 To avoid the risk of potentially fatal injury, always avoid all contact with electrical components while the engine is running. Carefully adhere to the following sequence, both to prevent damage to one or both vehicles, and to guard against possible personal injuries. ◀

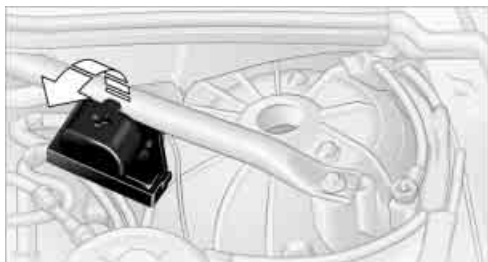
## Preparing

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 support vehicle
3. Switch off any consumer units in both vehicles.

 There must not be any contact between the bodies of the two vehicles, as otherwise there is a danger of shorting. ◀

## Connecting jumper cables

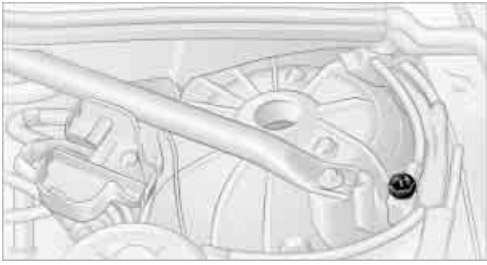
 To avoid personal injury from sparks, always observe this sequence when connecting jumper cables. ◀



On your BMW, the so-called starting-aid terminal in the engine compartment serves as the battery positive terminal, also refer to Engine compartment essentials on page 174. The symbol + is embossed on the cover.

1. Fold open the cover of the BMW starting-aid terminal. To do so, pull the tab
2. Attach one end of the jumper cable plus/+ to the positive terminal of the battery or a starting-aid terminal of the vehicle providing assistance
3. Attach the second end of the cable to the positive terminal of the battery or to a starting-aid terminal of the vehicle to be started






Your BMW has a special nut as body ground or negative pole.

4. Attach one end of the jumper cable minus/- to the negative terminal of the battery or to an engine or body ground of the vehicle providing assistance
5. Attach the second end of the cable to the negative terminal of the battery or to the engine or body ground of the vehicle to be started.


## Starting engine


1. Start the engine on the support vehicle and allow it to run for several minutes at increased 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 connection sequence.

If required, have the battery inspected and recharged at your BMW center.

 Never use spray fluids to start the engine. ◀


## Towing and tow-starting

 Always observe all applicable towing laws and regulations. ◀

 Never allow passengers to ride in a towed vehicle for any reason. ◀

## Using tow fitting

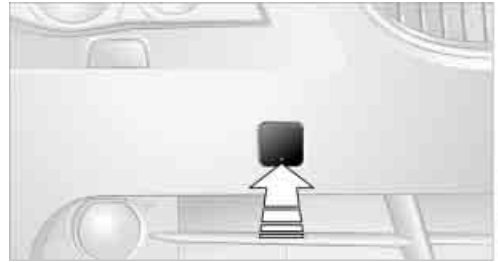
The threaded tow fitting is stored in the onboard tool kit and must always remain in the vehicle. It can be screwed in at the front or rear of the BMW.

 To prevent damage to the tow fitting and the vehicle, observe the following: use only the tow fitting included with the vehicle and screw it in firmly as far as possible. Only use the tow fitting to tow on roads. Avoid lateral loading of the tow fitting, e.g. do not lift the vehicle by the tow fitting. ◀

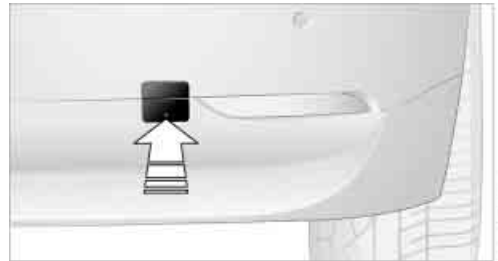
## Access to screw thread

Rectangular cover in bumper:  
Press on the arrow symbol on the cover.


Front



Rear



## Being towed

 Make sure that the ignition key is in position 1, as otherwise the steering lock will engage, making it impossible to steer the vehicle. There is no power assist with the engine stopped. This then requires increased effort for braking and steering. The active steering is not active and larger steering wheel movements are required. ◀




Switch on the hazard warning flashers depending on the local regulations. If the electrical system fails, mark the vehicle to be towed, e.g. with a sign or warning triangle in the rear window.

### Vehicles with manual transmission

Gearshift lever in idle position.

### Vehicles with automatic transmission

Selector lever in position N.

 Do not exceed a towing speed of 45 mph/70 km/h and a towing distance of 90 miles/150 km, as otherwise the automatic transmission may be damaged. ◀


### Vehicles with SMG Sequential manual transmission

With the ignition switched on, engage the selector-lever position N, then switch off the ignition again.

### Towing methods


In some countries, towing with tow bars or ropes in public traffic is not permitted. Familiarize yourself with the regulations on towing in the respective country.

### With tow bar

 The towing vehicle may not be lighter than the vehicle to be towed, as otherwise it will not be possible to control vehicle response. ◀


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 offset angle, please observe the following:

- ▷ Clearance and maneuvering capability will be strictly limited in corners
- ▷ When mounted at an angle, the tow bar will exert lateral forces, tending to push the vehicle sideways.

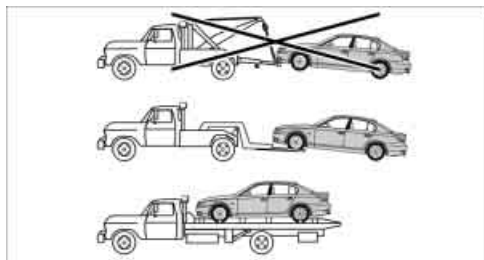
 Secure the tow bar on the tow fitting only. Otherwise damage could result on other vehicle parts. ◀

### With 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. Secure the tow rope on the tow fitting only. Otherwise damage could result on other vehicle parts. ◀


### With tow truck



Have the BMW transported with a tow truck with a so-called lift bar or on a load bed.

 Do not lift vehicle by tow fitting or body and chassis parts, as otherwise damage may result. ◀

### Tow-starting

 Do not tow-start vehicles with an automatic transmission. Jump-starting, refer to page 189. ◀

Only tow-start vehicles with a catalytic converter with the engine cold. It is better to jump-start the engine, refer to page 189.

1. Switch on the hazard warning flashers, comply with country-specific regulations
2. Turn the ignition key to position 2
3. Engage the 3rd gear, vehicles with SMG, see below
4. Have the vehicle tow-started with the clutch pedal completely depressed and slowly release the clutch. After the engine starts, immediately depress the clutch pedal 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.

Vehicles with SMG Sequential manual transmission:

1. Tow-start in selector lever position N
2. Select sequential mode. The correct gear will be selected and engaged automatically.





## Reference

This is where to look to find information on any desired topic as quickly as possible.

This chapter includes the section with technical data, the short commands of the voice command system as well as the manual's index.

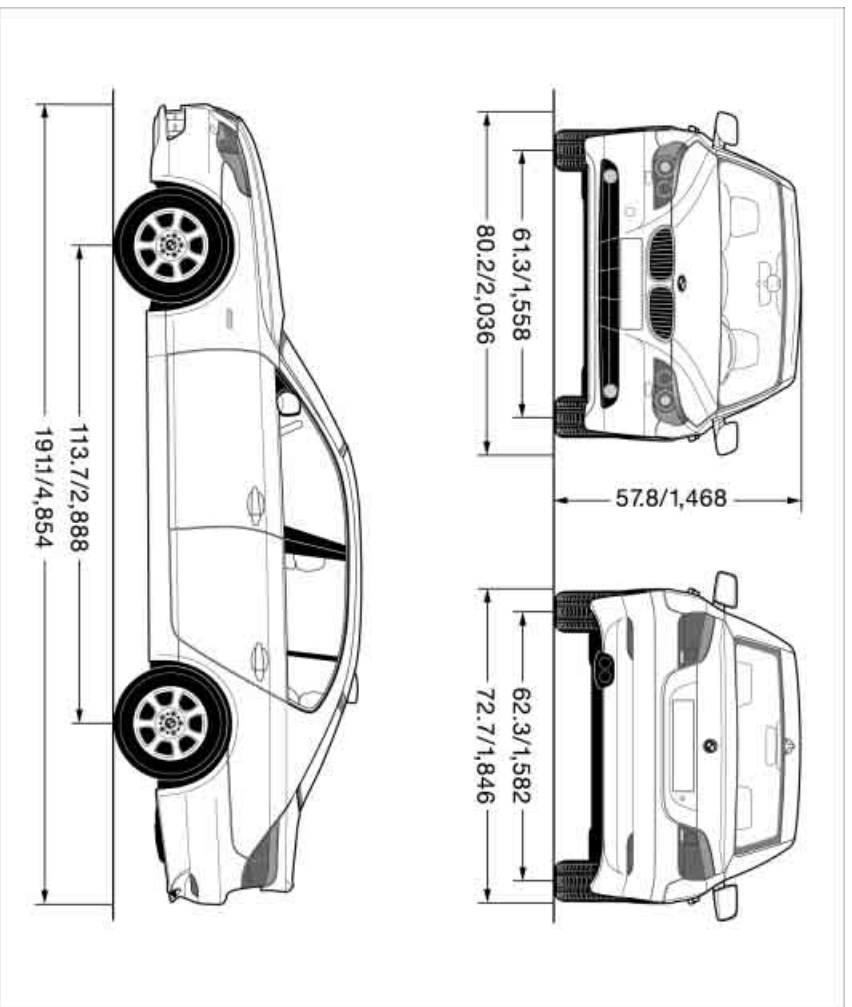
# Technical data

## Engine data

		525i	530i
Displacement	cu in/cm <sup>3</sup>	152.2/2,494	181.8/2,979
Number of cylinders		6	6
Maximum output	hp	184	225
at engine speed	rpm	6,000	5,900
Maximum torque	lb ft/Nm	175/237	214/290
at engine speed	rpm	3,500	3,500

		545i
Displacement	cu in/cm <sup>3</sup>	268.4/4,398
Number of cylinders		8
Maximum output	hp	325
at engine speed	rpm	5,900
Maximum torque	lb ft/Nm	330/450
at engine speed	rpm	3,600

## Dimensions



All dimensions in inches/mm. Minimum turning circle dia.: 37.5 ft/11.4 m.

## Weights

		525i	530i
Curb weight	lbs./kg		
with manual transmission		3,428/1,555	3,472/1,575
with automatic transmission/SMG		3,450/1,565	3,494/1,585
Approved gross weight	lbs./kg		
with manual transmission		4,530/2,055	4,575/2,075
with automatic transmission/SMG		4,552/2,065	4,597/2,085
Load	lbs./kg	1,102/500	1,102/500
Approved front axle load	lbs./kg	2,161/980	2,227/1,010
Approved rear axle load	lbs./kg	2,601/1,180	2,601/1,180
Approved roof load capacity	lbs./kg	220/100	220/100
Luggage compartment volume	cu ft/l	18.4/520	18.4/520

		545i	
Curb weight	lbs./kg		
with manual transmission			3,803/1,725
with automatic transmission/SMG			3,814/1,730
Approved gross weight	lbs./kg		
with manual transmission			4,905/2,225
with automatic transmission/SMG			4,916/2,230
Load	lbs./kg		1,103/500
Approved front axle load	lbs./kg		2,403/1,090
Approved rear axle load	lbs./kg		2,679/1,215
Approved roof load capacity	lbs./kg		220/100
Luggage compartment volume	cu ft/l		18.4/520

Never exceed either the approved axle loads or the gross vehicle weight.



# Capacities

			Notes
Fuel tank	gal/liters	approx. 18.5/70	Fuel quality: page 165
Reserve	gal/liters	approx. 2.1/8	
Window and headlamp washer system	quarts/liters	approx. 3.2/3	For details: page 57
Engine with oil filter renewal	quarts/liters		BMW High Performance Synthetic Oil. Oil grades: page 175
525i/530i		6.9/6.5	
545i		8.5/8.0	

# Short commands of voice command system\*

With short commands you can carry out certain functions directly, regardless of which menu item is selected. The main

short commands of the voice command system are listed in the following.

## Communication

Function	Command
To open phone 148	›Phone‹
To dial phone number 149	›Dial number‹
To display phone book 150	›A to Z‹
To select from the phone book 150	›Dial name‹
To display "Top 8" 151	›Top 8‹
To redial 151	›Redial‹
To display "Received calls" 151	›Received calls‹
To display "Missed calls" 151	›Missed calls‹
To display "SMS" 152	›SMS‹
To open BMW Assist 157	›BMW Assist‹

## Navigation

Function	Command
To display current position 111	›Current position‹
To open destination entry 112	›New destination‹
To display "Input map" 114	›Input map‹
To open "Information" 115	›Destination input with information on location‹
To display destination list 115	›Last destinations‹
To display address book 116	›Address book‹ or ›Destination from address book‹
To display route criteria 118	›Route preference‹
To display arrow display 121	›Map arrow display‹
To display route map 122	›Map view‹ ›Map facing north‹ or ›Map direction of travel‹
To change scale 122	›Scale ... kilometers‹
To display roads or towns/cities along route 122	›Route list‹

## Onboard information

Function	Command
To display computer 70	›Onboard info⟨
To display trip computer 70	›Trip computer⟨
To open speed limit 71	›Limit⟨
To open stopwatch 72	›Stopwatch⟨

## Entertainment

Function	Command
To open tone settings 129	›Tone⟨
To switch on radio 132	›Radio on⟨
To open "FM" 132	›FM⟨
To open "AM" 132	›AM⟨
To open "All stations" 132	›FM All stations⟨
To select radio station 129	›Station⟨ name
To open "Presets" 129	›FM presets⟨ or ›AM presets⟨
To select stored station 129	›Station ...⟨
To open "Manual" 133	›FM manual⟨ or ›AM manual⟨
To select station manually 133	›Frequency 87 ... 107 Point 0 ... 9⟨
To open strongest radio station 134	›AM Autostore⟨
To open "CD" 139	›CD⟨
To select CD 139	›CD 1...6⟨
To select music track 140	›Track ...⟨

## Climate

Function	Command
To adjust front temperature distribution 41	›Seat heater distribution⟨
To open "Vent settings" 91	›Vent settings⟨
To open "Parked car ventilation" 93	›Parked car operation⟨
To open "Automatic ventilation" 93	›Automatic ventilation⟨
To display activation times 94	›Activation time⟨

## i menu

Function	Command
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To open "Steering wheel buttons" 44	›Steering wheel buttons‹
To open "Lighting" 55	›Light settings‹
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To open "Entertainment settings" 129	›Entertainment settings‹

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## Refueling

To ensure that you always have all the essential data at hand when refueling, we recommend that you fill in the following tables with the specifications and information that apply to your vehicle. Consult the index for individual specifications.

### Fuel

Designation

Please enter your preferred fuel here.

### Engine oil

Quality

The oil quantity between the middle of the two marks on the dipstick is approx. 1.6 US quarts/1.5 liters.

## Tire inflation pressures

	Summer tires Front	Rear	Winter tires Front	Rear
Up to 4 persons				
5 persons or 4 plus luggage				

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