Owner's Manual for Vehicle



The Ultimate Driving Machine

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325Ci 330Ci

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. Therefore we have one 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 BMW. The manual contains important data and instructions intended to assist you in obtaining maximum satisfaction from your BMW's unique array of advanced technical features. It also contains information on vehicle maintenance designed to enhance operating safety while simultaneously helping you to maintain your BMW's value throughout an extended service life. For additional information refer to the supplemental manuals.

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.

We wish you an enjoyable driving experience.

BMW AG

About 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 by using the detailed index at the end. If you wish to gain an initial overview of your vehicle, you will find this in the first chapter.

Should you wish to sell your BMW at some time in the future, please remember to hand over this Owner's Manual to the new owner; it is an important part of the vehicle.

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Additional sources of information

If you have any additional questions, your BMW center will be glad to advise you.

You can find more information about BMW, for example on its technology, on the Internet at www.bmw.com.

Symbols used

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

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

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

• Marks the end of a specific item of information.

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

Vehicle Memory, Key Memory, refer to page 68. Identifies functions that can be specifically adapted for a particular key or vehicle. These adjustments can be performed by your BMW center.

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

Your individual vehicle

On purchasing your BMW, you have decided in favor of a model with individualized equipment and features. This Owner's Manual describes all models and equipment that BMW offers within the same group.

We hope you will understand that equipment and features are included that you might not have chosen for your vehicle. You can easily identify any differences with the aid of the asterisk * used to identify all optional equipment and accessories.

If your BMW features equipment which is not described in this Owner's Manual, such as a car radio or telephone, supplementary Owner's Manuals are enclosed. We ask you to read these manuals as well.

Status at time of printing

BMW pursues a policy of continuous, ongoing development 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, the features described in this Owner's Manual could differ from those in your vehicle. Nor can errors and omissions be entirely ruled out. You are therefore asked to appreciate that no claims can be recognized 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 highperformance 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 Original BMW Parts, you simultaneously acquire the assurance that they have been thoroughly tested by BMW to ensure optimum performance when installed on your vehicle.

BMW warrants these parts to be free from defects in material and workman-ship.

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

BMW cannot test every product on the market to determine whether it can be used on a BMW safely and without risk to either the vehicle, its operation, or its occupants.

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

Installation and operation of non-BMW approved accessories such as alarms, radios, amplifiers, radar detectors,

wheels, suspension components, brake dust shields, telephones - including operation of any portable cellular phone from within the vehicle without using an externally mounted antenna - or transceiver equipment, such as a CB, 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. Contact your BMW center for additional information. Do not use key or remote control to lock doors or luggage compartment with anyone inside the vehicle. Refer to the Owner's Manual for more details.

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

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 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 toll-free 1-800-831-1117.

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

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 or 366-0123 in the 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.

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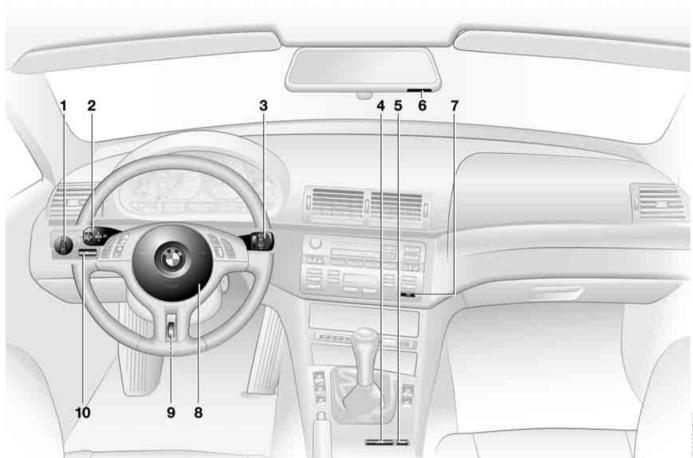
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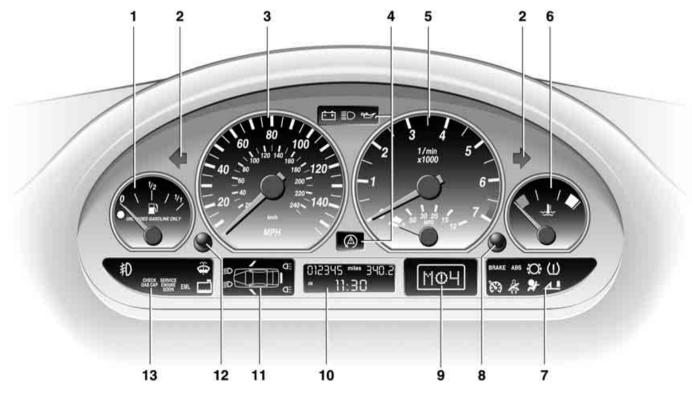


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Instrument cluster

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18 Indicator and warning lamps

Technology that monitors itself

Indicator and warning lamps that are identified by • are tested for proper functioning whenever the ignition key is turned. They each light up once for different periods of time.

If a fault should occur in one of these systems, the corresponding lamp does not go out after the engine is started, or it lights up while the vehicle is moving. You will see how to react in the following section.

Red: stop immediately

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Battery charge current The battery is no longer being

charged. Indicates a defective alternator drive belt or a problem with the alternator's charge circuit. please contact the nearest BMW center.

If the drive belt is defective, stop and switch off the engine immediately to prevent overheating and serious engine damage. If the drive belt is defective, increased steering effort is also required.

Engine oil pressure **P** The engine oil pressure is too low. Stop the vehicle immediately and switch off the engine. It is not possible to continue driving. Please contact the nearest BMW center.

Do not continue driving, as the 1 engine could sustain serious damage from inadequate lubrication.

Flat Tire Monitor



In addition, an acoustic signal is sounded: there is a flat tire.

Reduce speed and carefully come to a stop. Avoid sudden braking and steering maneuvers.

For additional information, refer to page 93.

Brake warning lamp BRAKE If the lamp comes on when the

parking brake is not engaged: check the brake fluid level. It is very important that you follow the instructions on page 145 before driving on. Have the system checked immediately.



Brake warning lamp for Canadian models.

Red and vellow: continue driving cautiously



The brake warning lamp comes BRAKE on together with the yellow indicator lamps for ABS
and DSC: The entire ABS, CBC and DSC control system has failed. Continue driving cautiously and defensively. Avoid full brake applications. Please have the

system checked by your BMW center as soon as possible.

Additional information beginning on page 91.



CBC. ABS and DSC and DBC indicator and warning lamps for Canadian models.



Red: an important reminder

Brake warning lamp BRAKE Comes on when the parking brake is engaged - an additional acoustic signal sounds when you start

off.

For additional information, refer to page 71.

Indicator and warning lamps



Brake warning lamp for Canadian models.



Lock backrest/Fasten safety belts

Comes on together with an acoustic signal until the safety belts are fastened. Flashes if the backrest is not locked.

For additional information on locking the seat backrests, refer to page 53. For additional information on safety belts, refer to page 54.



Airbags

Have the system checked as soon as possible.

For additional information, refer to page 61.

Orange: consult the nearest BMW center



Automatic transmission/sequential manual gearbox

The respective transmission has responded to a malfunction by reverting to operation in its emergency default program. Have the system checked immediately.

For additional information, refer to pages 75, 79.

Yellow: check as soon as possible



Engine oil level

If the lamp comes on during normal vehicle operation: the engine oil level has fallen to the absolute minimum; refill as soon as possible. Do not drive more than approx. 30 miles/50 km before refilling. For additional information, refer to page 142.

Engine oil level

Comes on after the engine has been switched off: add engine oil at the earliest opportunity, such as the next time you stop to refuel. For additional information, refer to page 142.

Brake pads



Have the brake pads checked immediately.

For additional information, refer to page 126.

Flat Tire Monitor



The Flat Tire Monitor is malfunc-

tioning or out of order. If there is a malfunction, have the system checked. For additional information, refer to page 94.

Dynamic Stability Control (DSC)



Indicator lamp flashes: The system is actively regulating drive torque and braking force.

The indicator lamp stays lit: DSC has been switched off with the button: DTC is operational. If there is a malfunction, have the system checked as soon as possible. Additional information beginning on page 91.



BRAKE

Dynamic Stability Control (DSC) and brake warning lamp The indicator lamps remain on: DSC/DTC have been switched off with the button or are faulty.

If there is a malfunction, have

the system checked as soon as possible.

Additional information beginning on page 91.



DSC indicator and brake warning lamps for Canadian models.



Overview

Controls

enance

20 Indicator and warning lamps



Dvnamic Brake Control (DBC) BRAKE Malfunction in DBC system.

Conventional braking efficiency

is available and unrestricted. Have the system checked as soon as possible.

For additional information, refer to page 127.



Dvnamic Brake Control (DBC) warning lamp for Canadian models.



Add washer fluid

The washer fluid level is too low. top it up at the earliest opportu-

nity.

For additional information, refer to page 142.



SERVICE ENGINE SOON



If the indicator lamp comes on either continuously or intermit-

tently, 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. For additional information, refer to page 148.



Service Engine Soon indicator lamp for Canadian models.

Engine electronics

EML There is a fault in the electronic engine-management system. You can continue to drive with reduced engine output or engine speed. Please have the system inspected at your BMW center.

Add coolant



The coolant level is too low. Add coolant at the earliest opportu-

For additional information, refer to page 144.

CHECK GAS CAP*



This indicator lamp comes on

when the gas cap is loose or missina.

Close the gas cap tightly: refer to page 24.

Rollover protection system I The rollover protection system

has been deactivated due to a malfunction. Please have the system inspected by your BMW center at the earliest opportunity.

For additional information, refer to page 66.

Green: for your information



Turn signal indicator Flashes when the turn signal is operated.

Rapid flashing indicates a system malfunction

For additional information, refer to page 80.



Cruise control Lights up when the cruise con-

trol is activated: ready for operation via the buttons in the steering

wheel.

For additional information, refer to page 82.

Front fog lamps

Lights up whenever you switch

on the fog lamps.

For additional information, refer to page 97.

Blue: for your information



High beams

Comes on when the high beams

are on or the headlamp flasher is actuated.

For additional information, refer to pages 80, 97.

Buttons in steering wheel*

These buttons let you operate the following functions quickly and without being distracted from traffic conditions:

- ▷ Selected radio functions
- ▷ The cruise control
- Selected telephone* functions
- ▷ The voice recognition system.

The controls are active only when the corresponding systems and accessories are switched on.

嵼

Press briefly:

Receive a phone call, initiate dialing, terminate a call.

Extended pressure:

Switch voice recognition on and off.

R/T

Display/hide telephone book. Display the entries one after another with the forward/backward buttons.



Forward:

▷ Radio

Press briefly: next station in station memory

Extended pressure: station search \triangleright CD

Press briefly: jump to next track Extended pressure: search function in track

▷ Cassette

Press briefly: jump to next track or stop fast forward

Extended pressure: fast forward

Phone Scan personal phone book.

¢

Rewind/reverse: same functions as forward.



Volume.

i

Cruise control: select a stored setting.



Cruise control: store and accelerate + or decelerate and store -.

1/0

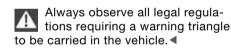
Cruise control: activate/interrupt/deac-tivate.

22 Hazard warning triangle*



The hazard warning triangle is stored in the luggage compartment lid inside the container for the onboard tools.

To open the container, loosen the wing nut.



First-aid kit*



The first-aid kit is located under the passenger seat.

To open: pull the handle and fold the cover down.

To close: fold the cover up and press it until the tab engages.

Several of the items contained in the first-aid pouch have a limited service life. For this reason, check the expiration dates of each of the items regularly, and replace any with passed dates. These items can be purchased in any drugstore or pharmacy. Always observe all legal regulations requiring a first-aid kit to be carried in the vehicle.◀

Refueling



Always observe all safety precautions posted at the service station when handling fuel. Never carry spare fuel containers in your vehicle. Whether empty or full, these containers can leak, cause an explosion, or lead to fire in the event of a collision.



Fuel filler door

Always switch off the engine before refueling, as it is not possible to add fuel with the engine running, and attempts may also trigger the SERVICE ENGINE SOON lamp. <

Press on the rear edge of the fuel filler door to open and close it.

Pull the knob with the fuel pump symbol, located on the right side wall of the luggage compartment.

Please observe while refuelling

Open the gas cap carefully to prevent fuel from spraying out. Fuel spray may cause injury.

Place the gas cap in the bracket attached to the fuel filler door.

When refueling, insert the filler nozzle completely into the filler pipe. Lifting the nozzle during refueling

▷ results in premature pump shutoff

and will reduce the effectiveness of the vapor recovery system on the pump.

The fuel tank is full when the filler nozzle shuts off the first time.

24 Refueling

Closing the gas cap

Place the cap in position and turn it until a clearly audible click is heard.

Close the gas 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 CHECK GAS CAP* lamp.◀

CHECK GAS CAP

Warning lamp* lights up. The gas cap is not properly closed or is missing. Check if the gas cap is properly closed.

Fuel tank capacity

▷ Approx. 16.6 gal./63 liters, of which ▷ approx. 2.1 gal./8 liters are reserve capacity.

Do not drive to the last drop of fuel. This can prevent the engine from operating properly and result in damage.

Fuel specifications

The engine uses lead-free gasoline only.

Required fuel

Premium Unleaded Gasoline. Minimum Octane Rating: AKI 91.

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 A 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 cosolvent, will not void the applicable warranties with respect to defects in materials or workmanship.

The use of poor-quality fuels may result in drivability, starting and stalling problems especially under certain environmental conditions such as high ambient temperature and high altitude.

Should you encounter drivability problems which you suspect could be related to the fuel you are using, we recommend that you respond by switching to a recognized high-guality brand.

Failure to comply with these recommendations may also result in unscheduled maintenance.

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Overview

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Controls and features

Operation, maintenance

Owner service procedures

Technical data





The key set

1 Master keys with remote control. They govern the functions of the Key Memory. Certain functions in your vehicle may operate differently depending on the key, refer to page 68.

To distinguish between keys, you can mark each key with remote control by applying one of the colored decals that you received when accepting delivery of your vehicle In every master key with the remote control feature there is an extended-life battery that is charged automatically in the ignition lock as you drive.

Therefore, use otherwise unused master keys for a longer journey every six months so that the battery can be charged.◀

2 Spare key – for storage in a safe place, such as in your wallet. This key is not intended for constant use. The luggage compartment lid and the glove compartment cannot be locked and unlocked with this key. This is useful for valet parking, for example

Central locking system

The concept

The central locking system engages and releases the following locks at the same time:

- ⊳ doors
- ▷ luggage compartment lid
- ▷ fuel filler door
- ▷ glove compartment.

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

The central locking system can be operated

 \triangleright from outside via the door lock as well

as via the remote control ▷ from inside by pressing a button.

The fuel filler door is not locked when the central locking system is activated from the inside, refer to page 32.

When the system is actuated from the outside, the anti-theft system is also activated. This prevents the doors from being unlocked via the lock buttons or the release handle. The alarm system is also activated or deactivated.

The central locking system is automatically deactivated in the event of an accident. In addition, the hazard warning flashers and interior lamps come on.

Opening and closing - via the remote control

The concept

The remote control also provides two additional functions beyond the central locking feature:

▷ To switch on interior lamps, refer to page 30.

With this function you can also search for the vehicle when parked in an underground garage, for instance

▷ To open the luggage compartment lid, refer to page 30.

The luggage compartment lid will open slightly, regardless of whether it was previously locked or unlocked.

Whenever you unlock or lock the vehicle, you simultaneously deactivate/activate the anti-theft system, disarm/arm the alarm system and switch the interior lamps on/off.

You can have a signal set to confirm that the vehicle's locks have engaged securely.

Master keys with remote control

Persons or animals inside the vehicle may be able to lock the doors from the inside. For this reason, you should always take the vehicle keys with you so that the vehicle can be opened again from the outside at any time.

If it is no longer possible to lock the vehicle via the remote control, the battery is discharged. Use this key while driving for an extended period in order to recharge the battery. To prevent unauthorized use of the remote control, surrender only the spare key when leaving the vehicle for valet parking, for example.

In the event of a system malfunction, please contact your BMW center. You can also obtain replacement keys there.



- 1 Unlock, convenience opening mode, and disarm alarm system
- 2 Lock and secure, arm alarm system, activate interior lamps, disarm tilt alarm sensor and interior motion sensor
- 3 Open the luggage compartment lid, Panic mode – trigger alarm

To release



Press the button once to unlock the driver's door.



Press the button a second time to disengage all vehicle locks.◀

Repairs

Controls

aint

30 Opening and closing – via the remote control

Convenience opening mode

Press the button briefly and then keep it pressed. The electric power windows and the fully-automatic convertible top open.

To lock and secure



Press the button

To switch on the interior lamps



With the vehicle locked, press the button.

With this function, you can also search for your vehicle when parked in an underground garage, for instance.

To open the luggage compartment lid



Press button briefly.

The luggage compartment lid will open slightly, regardless of whether it was previously locked or unlocked.

If the vehicle was previously locked, the luggage compartment is also locked again after it is closed. Before and after a trip, be sure that the luggage compartment lid has not been opened unintentionally.

Panic mode* - trigger alarm



By pressing the button for more than 2 seconds, the alarm system* can be triggered in the event of danger, if the system is armed.

To switch off the alarm:



Press the button.

External systems

Malfunctions:

Local radio waves can impede the functioning of the remote control.

If this occurs, open and close the vehicle using a master key in the door lock.

For US owners only

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

FCC ID:

- ▷ I X8FWS
- ▷ LX8FZVS
- ▷ LX8FZVE.

Compliance statement:

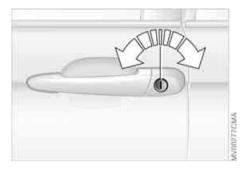
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

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				э	ь.

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

Opening and closing – via the door lock



Whenever closing the windows or sliding/tilt sunroof you should always monitor their path and progress to ensure that no one is injured. Releasing the key stops the operation.

Manual operation

If there is an electrical malfunction, you can unlock or lock the driver's door by turning the key in the lock all the way to the left or right.

One turn of the key in the driver's door lock unlocks the driver's door, the fuel filler door and the glove compartment. Turning the key a second time unlocks the passenger-side door and the luggage compartment lid.

You can have a signal set to confirm that the vehicle's locks have engaged securely.

Convenience operation

You can also operate the power windows and the fully-automatic convertible top via the door lock.

- ▷ To open: with the door closed, hold the key in the Unlock position
- ▷ To close: with the door closed, hold the key in the Lock position.

31

32 Opening and closing – from the inside



You can use this button to control the central locking system whenever the doors are closed. The doors and luggage compartment lid are unlocked or locked only. The anti-theft system is not activated.

If only the driver's door was unlocked from the outside and you press the button, then, with the driver's door still open, the passengerside door, the luggage compartment lid, the fuel filler door and the glove compartment will unlock, too. If the driver's door is closed, it will be locked. If you desire, the central locking system can be activated automatically as soon as you begin to drive. This can be adjusted to be key-specific. <

To unlock and open the doors

- 1. Press the button for the central locking system
- 2. Pull the release handle above the armrest on the door you wish to open
- or

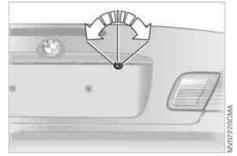
pull the release handle for any door twice: to unlock and open the door.

To lock

- Either use the central locking button to lock both doors at once or
- press down the individual door lock buttons. In this case, the fuel filler door will stay unlocked. To prevent the driver from being inadvertently locked out of the vehicle, the driver's door lock button will not engage as long as the door is open.

Persons or animals inside the vehicle may be able to lock the doors from the inside. You should always take the vehicle's keys with you so that you can open the vehicle again from the outside at any time.

Luggage compartment lid







The lock

Only the master keys fit in the lock for the luggage compartment lid, refer to page 28.

To secure separately

Lock the glove compartment using the master key.

This locks the luggage compartment lid and disconnects it from the central locking system. This feature can be used to prevent unauthorized access to the luggage compartment when you surrender the spare key only, refer to page 28. This can be advantageous for valet parking, for example.

To open from the outside

Press the button in the handle recess: the luggage compartment lid opens slightly.

The luggage compartment is lit when the luggage compartment lid is opened.

When the glove compartment is locked, refer to page 109, the luggage compartment lid cannot be opened using the button in the strip handle.

Manual operation

In the event of electrical malfunction

Turn the master key all the way to the left – the luggage compartment lid will open slightly.

The luggage compartment is locked again as soon as you close the lid.

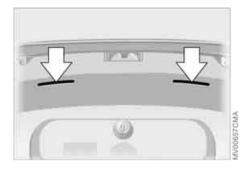
To open from the inside*

If the luggage compartment lid has not been locked separately, you can open it with this button in the footwell on the driver's side when the vehicle is stationary.

Aaim

Controls

34 Luggage compartment lid



Should it be absolutely necessary to operate the vehicle with the luggage compartment lid open and the convertible top closed:

- 1. Close all windows
- 2. Greatly increase the quantity of air coming from the air conditioning or automatic climate control system. refer to page 100 or 104.



Emergency release

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

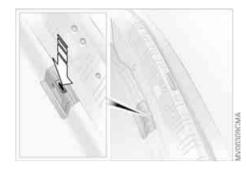
To close

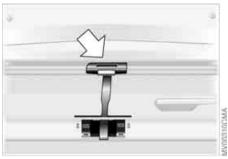
The handle recesses in the interior trim panel of the luggage compartment lid make it easier to pull the lid down.

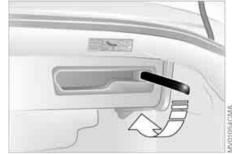
To avoid injuries, be sure that the travel path of the luggage compartment lid is clear when it is closed. following the same precautions as with all closing procedures.

Operate the vehicle only when the luggage compartment lid is completely closed. Otherwise, exhaust fumes could penetrate the interior of the vehicle.

Luggage compartment







To fold up and secure the floor panel

- 1. Pull up at the handle and fold the panel up
- 2. Press the button to release the hanger from the handle
- 3. Hook the handle into the rubber seal of the drip rail.
- Carefully replace the hanger in its holder when lowering the floor panel back down.

The fittings at the corners of the luggage compartment provide you with a convenient means of attaching luggage compartment nets* and flexible straps for securing luggage.

Refer also to Cargo loading on page 117.

To enlarge the luggage compartment

With the convertible top closed, you can enlarge the luggage compartment. To do this, flip the handle outward and press it down and toward the front of the vehicle. The convertible top compartment panel is now raised and secured.

To fold down the convertible top compartment panel

The convertible top compartment lid must be folded down to open the convertible top. Swing out the handle and pull toward the back of the vehicle.

Data

36 Luggage compartment

Before lowering the convertible **The** top, refer to page 39 or 44, always The top

check to ensure that the luggage compartment panel is folded down. Otherwise damage could occur.◀

Alarm system*

The concept

The vehicle alarm system responds:

- When a door, the hood or the luggage compartment lid is opened
- To movements inside the vehicle interior motion sensor
- To variations in the vehicle's tilt angle such as those occurring during attempts to steal the wheels or tow the vehicle – tilt alarm sensor
- \triangleright To interruption of battery voltage.

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

- The acoustic alarm sounds for 30 seconds
- The hazard warning flashers are activated for approx. five minutes
- The high beams flash on and off in rhythm with the hazard warning flashers.

To arm and disarm the alarm system

When the vehicle is locked or unlocked via the remote control or the driver's door lock, the alarm system is also simultaneously armed or disarmed.

You can have different acknowledgment signals set to confirm arming and disarming.



You can open the luggage compartment lid when the system is armed by pressing the remote control button, refer to page 30. The lid is once again secured when it is closed.

Extended pressure on the button sets off the alarm – Panic mode, refer to page 30.

Alarm system*



Indicator lamp displays

- The indicator lamp below the interior rearview mirror flashes continuously: The system is armed
- The indicator lamp flashes immediately after the vehicle is locked: doors or luggage compartment lid are not completely closed. Even if you do not close the alerted area(s), the remaining areas are secured, and the indicator lamp will flash continuously after 10 seconds. However, the interior motion sensor is not activated
- The indicator lamp goes out immediately after the vehicle is unlocked: no manipulation or attempted intrusions have been detected in the period since the system was armed
- The indicator lamp flashes for 10 seconds immediately after the

vehicle is unlocked: an attempted entry has been detected in the period since the system was armed.

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, for example, to attempts to steal the wheels or tow the vehicle.

Interior motion sensor:

The vehicle interior is monitored up to the height of the seat cushions. Even when the convertible top is open, the alarm system including the interior motion sensor is armed. Objects falling into the vehicle, e.g. leaves, can trigger unintentional alarms, refer to Avoiding unintentional alarms.

Avoiding unintentional alarms

The tilt alarm sensor and interior motion sensor may be switched off at the same time. You can do this to prevent a false alarm, e.g. in the following situations:

 \triangleright In garages with elevator ramps

- When the vehicle is being transported by train
- When animals are to remain in the vehicle.

To deactivate the tilt alarm and interior motion sensors



Press the button on the remote control twice.

The indicator lamp lights up briefly and then flashes continuously. The tilt alarm sensor and the interior motion sensor are deactivated until the vehicle is unlocked and locked again.

You can have the tilt alarm sensor and the interior motion sensor permanently deactivated.

The system inadvertently deactivates the tilt alarm sensor and the interior motion sensor if the convenience closing of windows and glass sunroof is interrupted within the first 10 seconds and then restarted. The vehicle must then be unlocked and relocked before the sensors will resume operation.

37

nance

38 Electric power windows



To open and close windows

With the ignition key in position 1 or higher

- Press the switch until you feel resistance: the window retracts as long as you maintain pressure on the switch
- Press the switch briefly past the pressure point: the window moves automatically. Pressing the switch again stops the opening cycle.

You can close the window in the same manner by pulling the switch. The rear windows do not close automatically.

To operate all the side windows

With the ignition key in position 1 or higher

- Press the switch until you feel resistance: the windows retract as long as you maintain pressure on the switch
- Press the switch briefly past the pressure point: the windows move automatically. Pressing the switch again stops the opening cycle.

You can close all windows in the same manner by pulling the switch. The windows cannot be closed automatically using this switch.

After the ignition has been switched off

You can still use the electric power windows for up to 15 minutes, as long as no one opens one of the doors.

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

For convenience operation via the remote control or the door lock, refer to page 30 or 31.

Trap protection

If the closing force of a front window exceeds a certain value as the window is being closed, the closing procedure is immediately interrupted and the window opens again slightly.

Electric power windows

Despite trap protection, always make sure that the windows can close without obstruction, otherwise in some cases, e.g. with thin objects, it is not guaranteed that the closing operation will be interrupted.

Trap protection is restricted when the switch is pulled and held beyond the pressure point. In this instance, if the closing force exceeds a certain value, the window will re-open just a few millimeters.

If the switch is pulled and held beyond the pressure point again within approx. 4 seconds, trap protection is overridden.

After a power loss

After the battery has been disconnected, the trap protection must be reinitialized. Perform the following procedure twice:

- Open and close the window completely
- With the window closed, keep pulling the switch for approx. 1 second.

Manual convertible top 39

The fabric top offers the perfect protection against weather and one person can open and close it easily and simply.

To gain maximum satisfaction from your convertible, please observe the following: we strongly recommend that you close the convertible top before leaving the vehicle parked. When closed, the top not only guards the passenger compartment from unforeseeable damage from the weather, but also affords a degree of protection against theft.

However, even when the top is closed valuables should always be stored in the locked luggage compartment.

Never attempt to mount any kind of roof rack or luggage carrier on the convertible top.

Closing the electric power windows: to help ensure that the windows seal securely, you should either close the rear windows first or close all four windows at the same time.

To open the convertible top

Never attempt to open or close the convertible top unless the vehicle is completely stationary. To prevent vehicle damage the top compartment lid's lock will not disengage unless the luggage compartment lid is closed.



- 1. Flip the locking handle out refer to illustration – and turn it as far as the end stop will allow
- 2. Raise the convertible top a little bit, release the tension



3. To unlock, press the button with the ignition key in position 1 or higher. The top compartment lid's lock disengages and the lid itself rises a small distance. The side windows will lower slightly

If the indicator lamp lights up when the button is pressed, the lid cannot be unlocked because the top compartment panel is raised, refer to page 35. Lower the top compartment panel and close the luggage compartment lid.◀



4. Position the rear convertible top frame vertically and grip it firmly

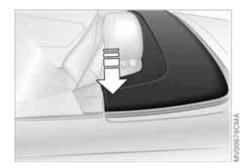
You can make it easier to raise the rear convertible top frame by pressing the area indicated by the arrow.

- 5. Reach into the recess created when the convertible top compartment lid is lifted and pull it all the way by hand – see arrow 1
- Lay the rear convertible top frame in the convertible top compartment – see arrow 2

Let go of the rear convertible top frame before laying the convertible top down; otherwise the side trim panel could be damaged. 7. Raise the front of the top and pull it back for storage

Now finish pushing the convertible top all the way down into the convertible top compartment. This makes it easier to close the convertible top compartment lid, especially at lower temperatures.

Controls



As soon as the convertible top compartment lid closes the central locking system will release the lock to allow renewed access to the luggage compartment.

Never store the convertible top in its compartment for more than one day while it is wet to avoid permanent damage from moisture.



- Press down slightly on the convertible top compartment lid from above – see arrow. The closing process will then be carried out automatically
- Either close the slightly lowered side windows or put them at the desired height.

Operate the convertible top compartment lid from above only in order to avoid any pinching. An interlock device helps avoid damage to the vehicle by preventing the luggage compartment lid from opening unless the convertible top compartment lid is completely closed.

To close the convertible top

- 1. Turn the ignition key to position 1
- 2. Press the button to unlock it. The convertible top will be unlocked and the side windows will lower slightly
- 3. Open the convertible top compartment lid all the way
- 4. Lift the convertible top out by the lateral guide section, see arrow 1, and the front convertible top frame, see arrow 2, swinging it forward until you encounter perceptible resistance – until it stops

To avoid damaging the side trim, always fold the convertible top forward before folding the rear frame brace up into its vertical position.

- 5. Either close the slightly lowered side windows or put them at the desired heiaht
- 6. Press down slightly on the convertible top compartment lid from above. The top then closes automatically. refer to page 39



Operate the convertible top compartment lid from above only in order to avoid any pinching.

As soon as the convertible top compartment lid closes the central locking system will release the lock to allow renewed access to the luggage compartment.

7. Holding on to the locking handle, pull the front part of the convertible top frame up onto the windshield frame. and lock the convertible top by turning the handle until you hear the convertible top engage and lock.

The system automatically presses the top's rear frame against the convertible top compartment lid, pretensioning it to ensure that it seals tightly.

At higher speeds, a vacuum effect in the passenger compartment can cause the convertible top to begin fluttering. Increase the air supply via the ventilation controls so that a vacuum does not occur in the vehicle.



Position for cleaning

To be able to access the convertible top compartment, lean the rear frame of the convertible top against the cover of the convertible top compartment.

First, use the button for activating the convertible top to unlock the locks of the convertible top compartment. Refer to page 40.◀

For additional information on vehicle care, refer to the Caring for vour vehicle brochure.

The fully-automatic convertible top combines the benefits of effective protection against the elements with simple and convenient operation.

To gain maximum satisfaction from your convertible, please observe the follow-ing:

- We strongly recommend that you close the convertible top before leaving the vehicle parked. When closed, the top not only guards the passenger compartment from unforeseeable damage from the weather, but also affords a degree of protection against theft. In addition, keep valuables only in the locked luggage compartment, even when the convertible top is closed
- Never mount a roof-mounted luggage rack on the convertible top
- ▷ To avoid damaging the convertible top, do not activate it at temperatures below 14 °F / -10 °C.

Never store the convertible top in its compartment for more than one day while it is wet to avoid permanent damage from moisture. Do not lay objects on the convertible top, as they could fall off when it moves, causing vehicle damage or personal injury.◄

Driving when the opening or closing process has not been completed can cause vehicle damage or personal injury.

Always keep your hands and fingers well away from the top's mechanism while it is opening and closing. Ensure that children remain at a safe distance from the top's travel range while it is in motion.

Try to make sure that the vehicle is completely stationary before using the fully-automatic convertible top. Otherwise the opening or closing procedure could be interrupted. If you set the convertible top in motion while the vehicle is stationary and then have to start suddenly – for instance, at a traffic light – you can still complete the procedure by driving as slowly as possible and again holding the corresponding button pressed. When closing the electric power windows while underway, always remember to either start by closing the rear windows or to close all of them at once. Failure to adhere to this sequence can prevent the windows from sealing tightly at high speeds.

At higher speeds, a vacuum effect in the passenger compartment can cause the convertible top to begin fluttering. Increase the air supply via the ventilation controls so that a vacuum does not occur in the vehicle. <



Opening and closing

- 1 To close
- 2 To open

To avoid placing unnecessary loads on the battery, you should avoid operating the top when the engine is switched off.

Before closing the top, always ensure that the windshield frame is clear of any obstructions that could prevent the top from closing correctly.

With the ignition key in position 1 or higher, and with the vehicle stationary

1. Read and comply with the preceding safety precautions

- 2. Ensure that the convertible top compartment panel in the luggage compartment is folded down, refer to page 35: otherwise, it will not be possible to open the convertible top
- 3. Ensure that the luggage compartment lid is closed
- 4. Maintain pressure on the corresponding button for the convertible top operation.

It can take a few seconds until the opening or closing procedure starts.

The luggage compartment lid cannot be opened while the convertible top is in motion.

While the convertible top is in motion, the rear window will move toward the passenger compartment. To avoid possible pinching, the area around the closing convertible top should be clear.◀

After having been stored for an extended period of time in the convertible top compartment, e.g. during the winter months because the hardtop was being used, you may have to support the convertible top by hand when closing it for the first time. If the convertible top should halt just before the closing phase is completed. press against the front section of the convertible top frame from the outside to help the closing process along. Continue pressing the switch while doing so until the top starts up again on its own.

Indicator lamps

- ▷ The red indicator lamp is lit whenever the convertible top mechanism is in motion. It goes out as soon as the opening or closing operation has been completed
- ▷ If the red indicator lamp flashes after the control button is released, the convertible top has not yet been opened or closed completely. You can resume operation in the desired direction by pressing the button again.
- ▷ If the yellow indicator lamp lights up continuously with the button pressed, the convertible top compartment

panel has been raised and the top cannot be moved.

The side windows move down slightly whenever the button for operating the convertible top is pressed.

They will go back up if you keep holding the button down for more than 2 seconds after the opening or closing process has been completed and the indicator lamp has gone out.

Interruption

The convertible top stops moving immediately when the button is released. You can resume operation in the desired direction by pressing the button again.

Do not close the side windows using the power window switches if the convertible top has not been closed completely. Otherwise, the side windows may not seal properly with the rubber seals of the convertible top. If the opening or closing operation is interrupted by releasing the buttons, the convertible top remains in the respective position for 15 minutes before it slowly moves into a stable position. The operation can be continued by pressing the buttons.

Do not repeatedly interrupt and resume the closing procedure, as otherwise the fully-automatic convertible top mechanism could be damaged.

In certain cases, the luggage compartment lid cannot be opened if the opening or closing operation has been interrupted.

Operate the convertible top manually in emergency situations only to avoid causing damage due to incorrect operation.

Convenience operation via remote control and driver's door lock

Refer to pages 30 and 31.



Manual closing in the event of an electrical malfunction

- 1 Emergency operation
- 2 Allen wrench
- 3 Recess

Only operate the convertible top manually when closing it. Never open it manually since the convertible top compartment lid cannot be locked, and would open while you are driving.

Manual closing is best carried out by two persons from outside with the driver's door open and the driver's seat folded forward. No one is to be in the rear seat while you are doing this.

- 1. Remove the insert between the rear seats. Take the trim off of the guide rod and flip it forward
- Press down hard on the emergency lock 1 – see previous illustration. After a brief pause, the mechanism for the convertible top compartment lid will be released

If the mechanism for the convertible top compartment lid does not unlock, then insert the Allen wrench 2 into the recess 3 and turn clockwise to release it.

3. If the luggage compartment lid is closed, open the convertible top compartment lid up as far as the stop will allow



4. Grasp the convertible top by the lateral guide section – see arrow 1 – and the front convertible top frame – see arrow 2. Lift out the top and swing it forward until you encounter a perceptible resistance – until it stops. Position the rear convertible top frame vertically and close the convertible top compartment lid. Fold down the rear convertible top frame

To avoid damaging the side trim, always fold the convertible top forward before folding the rear frame brace up into its vertical position.



- 5. Use a screwdriver to lift out the cover panel that is in the center of the front convertible top frame
- 6. Insert the Allen wrench 2 refer to page 46 into the recess see arrow
- 7. Pull down on the front convertible top frame as far as possible. Complete the closing process by continuing to turn the wrench in a clockwise direction. Turn until the front convertible top frame has locked onto the windshield frame. The system automatically presses the top's rear frame against the convertible top compartment lid, pretensioning it to ensure that it seals tightly.

Always make sure the closing procedure is completed to prevent vehicle damage or personal injury.



Please consult your BMW center to have the defect corrected.



Position for cleaning

To be able to access the convertible top compartment, lean the rear frame of the convertible top against the cover of the convertible top compartment.

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First, use the button for activating the convertible top to unlock the locks of the convertible top compartment. Refer to page 45.

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12
1 P

For additional information on vehicle care, refer to the Caring for vour vehicle brochure.

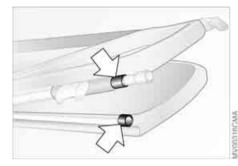
Wind deflector*

With the convertible top open, the wind deflector keeps air movement in the passenger compartment to a minimum. thus providing you with a pleasant drive, even at higher speeds. The wind deflector comes in a protective sleeve, and because of its slim dimensions, can be easily stored in the luggage compartment.

Installation

1. Remove wind deflector from the protective sleeve

Wind deflector*



2. Flip out both sides and lock into place. It is essential for the two components marked in the illustration to mesh at this point



- 3. Hold the wind deflector so that the smaller half points toward the front and guide the mounting pin for the side piece into the proper opening
- 4. Pull back on the mounting pin for the other side piece by using a slide, so that the mounting pin can be guided into the opening provided
- 5. Unlock the convertible top compartment lid via the convertible top control button, refer to page 45, and open the convertible top compartment lid
- 6. Flip the back half of the wind deflector backward, so that the mounts are lying on the vehicle
- 7. Close the convertible top compartment lid via the convertible top control button. The wind deflector is now attached so that it is theft-proof.

Operate the convertible top compartment lid from above only in order to avoid any pinching. With the wind deflector in place: to avoid damaging the wind deflector never push the front seats all the way back.

Removal

Follow the same procedure as when installing, just reverse the steps.

Controls

50 Safe seating position

For driving that is relaxed and less likely to cause fatigue, you should select a sitting position that reflects your personal requirements. In combination with the safety belts and airbags, the correct seating position also plays an important role in enhancing occupant safety in the event of an accident. To ensure that the vehicle's safety systems provide you with optimal protection, we request that you direct your careful attention to the following section.

For supplementary information on transporting children, refer to page 62.

Sitting safely with airbags

Always maintain an adequate distance between yourself and the airbags. Always hold the steering wheel by the rim to keep any chance of injury to hands or arms to an absolute minimum should the airbag be deployed. Never allow any objects, individuals or animals to obstruct the areas between passengers and airbags. Never use the front airbag's cover as a storage tray or support for objects of any kind. Never allow front passengers to rest their feet or legs on the airbag cover.◀ For airbag locations and additional information on airbags, refer to page 59.

Sitting safely with safety belts

Your vehicle is equipped with four seats, each of which is provided with a safety belt.

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. Avoid twisting the belt while routing it firmly across the hips and shoulder, wear it as snugly against your body as possible. Do not allow the belt to rest against hard or fragile objects. Do not route the belt across vour neck. or run it across sharp edges. Be sure that the belt does not become caught or jammed. Avoid wearing bulky clothing and pull on the lap belt periodically to retension it over vour shoulders. In the event of a frontal impact, a loose lap belt could slide over your hips, leading to abdominal injury. In addition, the safety belt's restraint effectiveness is reduced if it is worn loosely. 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.

For information on using the safety belts, refer to page 54.

Adjusting electric power seats

Seats

When adjusting your seat, always observe the following precautions

Never try to adjust your seat while operating the vehicle. The seat could respond with unexpected movement, and the ensuing loss of vehicle control could lead to an accident. Never ride with the backrest reclined to an extreme angle. This is especially important for the front passenger to remember. If you do, there is a risk that you will slide under the safety belt in an accident, thus reducing the protection provided by the safety belt. With the wind deflector in place: Do not push the front seats all the way back, otherwise the wind deflector will be damaged.◀

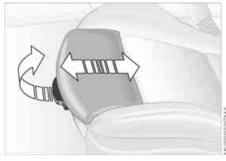
Seat adjustment

- ▷ Power seat adjustment, refer to page 51
- ▷ Head restraint, refer to page 52
- \triangleright Entering the rear, refer to page 53.



Seat adjustment

- 1 Tilt angle
- 2 Backward/forward adjustment
- 3 Heiaht
- 4 Backrest angle



Please refer to the adjustment instructions on page 51 to reduce the risk of personal injury.

With the BMW sports seat* you can also adjust the thigh support. To do so, pull the lever and adjust the position of the cushion for thigh support as desired.

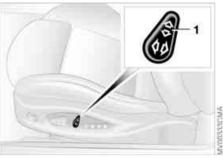
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Controls

52 Lumbar support*

Head restraints







To adjust

You can adjust the backrest's contour to support the lordosis of the spine, i.e. the curvature of its lumbar section.

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

- Press the front or rear of the switch: increase or decrease the curvature
- Press the upper or lower end of the switch: shift the curvature up or down.

Front head restraints

1 Height

Head restraints reduce the risk of spinal injury in the event of an accident.

Adjust the head restraint so that its center is approximately at the height of your ears.

When moving the head restraints up or down, avoid placing hands and fingers between the head restraint and the upper edge of the backrest to avoid the possibility of injury. Tilt angle: position the head restraints manually in the preferred position.

Head restraints



Rear head restraints

To avoid possible violation of traffic laws, never retract the head restraints unless the rear seats are empty. Always ensure that the head restraints are raised before transporting passengers in the rear seat.

To completely lower the rear head restraints:

- 1. Press the button and hold it down
- 2. Push the head restraint down from above.

Raising the rear head restraints

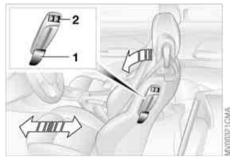
Raise the head restraints until you hear them click into place.

Do not remove the rear head restraints, as this would damage them.

For further information, please consult your BMW center.

Do not use the rear head restraints as storage shelves. Always keep the travel path for the rollover protection system free and clear. Never place protective covers or similar items on the head restraints. See also the labels on the head restraints.

Entering the rear



The seat-integrated safety belt system allows for easy access to the rear.

- 1. Lift lever 1 up and tilt the backrest forward until it engages
- 2. Press and hold button 2 in driving direction until the seat moves to the desired position
- 3. After entering the rear, fold back and lock the backrest
- 4. Press button 2 opposite the direction of travel and hold. The seat moves back into its previous position. If the button 2 is released beforehand, the seat stops in the respective position.

53

Data

54 Entering the rear

Safety belts

You can lock a backrest that has been tilted forward. This makes sense when, for instance, someone is climbing into the rear on an incline. To do this, press against the backrest until you hear it click into place. To move it back into place, you do not need to first unlock it by moving the lever 1.

Lock both backrests while driving. otherwise there is a danger of an unexpected movement causing an accident.◀



The indicator lamp in the instrument cluster flashes when the backrest is not locked, refer to

page 18.



Always wear your safety belt

Always fasten your safety belt before starting off. As supplemental restraint devices, the airbags are designed to enhance the effectiveness of the safety belts, and not to replace them.



Always detach the rear safety belts from their retainers before wearing.

To avoid undesired movement at
high speeds, always store the rear
safety belts in their retainers when they
are not in use.◀

To close

Make sure you hear the lock engage in the belt buckle.

The warning lamp lights up after a short driving distance until the driver and front passenger have fastened their safety belts. At the same time, an acoustic signal is sounded. The warning lamp also lights up and the acoustic signal sounds if the driver or front passenger unfastens his or her safety belt while the vehicle is in motion.

To release

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

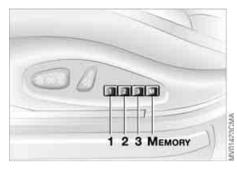
Safety belt height

The front belt system automatically adapts to your body size when the height of the head restraint is adjusted. Refer to page 52.

Seat and mirror memory*

Safety belts

If the safety belt system has been subjected to the stresses involved in an accident or otherwise damaged: have the entire safety belt mechanism replaced by your BMW center, including the safety belt tensioner. In addition, have your BMW center inspect the safety belt anchors. If a child-restraint system was in the vehicle during an accident, consult the manufacturer's instructions regarding replacement.



You can store and recall three different driver's seat and exterior mirror positions.

The lumbar support settings are not stored in the memory.

To store

- 1. Ignition key position 1 or 2
- 2. Select the desired seat and exterior mirror positions
- 3. Press the MEMORY button: the indicator lamp in the button lights up
- 4. Press memory button 1, 2 or 3, as desired: the indicator lamp goes out.

To select a stored setting

Do not select a memory position while the vehicle is moving. If you do so, there is a risk of accident from unexpected seat movement.

Ignition key in position 1:

- Briefly press memory button 1, 2 or 3, as desired.
 - Movement stops immediately when one of the seat-adjustment or memory buttons is activated during the adjustment process.

The driver's door is closed and the ignition key is either removed or in position 0 or 2:

Maintain pressure on the desired memory button – 1, 2 or 3 – until the adjustment process is completed.

If you press the MEMORY button accidentally: press the button again; the indicator lamp goes out.

You can have this feature programmed so that when you use the remote control from your personalized key to unlock your door, your seat and the exterior mirrors will move into your own preferred positions.

55

56 Seat and mirror memory*

Before activating the programmed adjustment feature, ensure that the footwell behind the driver's seat is empty and unobstructed. If you fail to do so, persons, animals or objects could be injured or damaged if the seat should move backward.



Passenger-side exterior mirror tilt function

Automatic curb monitor*

To activate:

- 1. Select the driver's mirror using the mirror selector switch 1
- 2. When shifting into Reverse or placing the selector lever in position R, the passenger-side mirror tilts downward. This allows the driver to see the area directly adjacent to the vehicle, e.g. the curb, during parking.

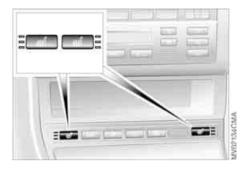
To deactivate:

Set the mirror selector switch to the passenger-side position.

How far the passenger mirror tilts can be set individually for each ignition key.

Mirrors

Seat heating*

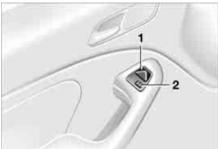


The seat cushion and backrest can be heated with the ignition key in position 2.

You can select different heating modes by repeatedly pressing the buttons.

You can also switch the higher heating modes off directly:

Press the button and hold it slightly longer.



To adjust exterior mirrors

- 1 Switch for 4-way adjustment
- 2 Switch to select between mirrors

To adjust manually

The mirrors can also be adjusted manually:

Press the edge of the lens.

For storing mirror settings, refer to Seat and mirror memory on page 55.

The mirror on the passenger's side is convex. 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 estimates of the distance to following traffic should not be regarded as precise.

Electric defrosting

Both mirrors are automatically heated when you turn the ignition key to position 2. Controls

58 Mirrors



Interior rearview mirror

To reduce glare from vehicles behind you when you are driving at night, tilt the mirror by turning the button. Vehicles without alarm system: Tilt the small lever forward.

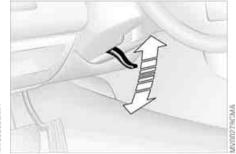


Interior rearview mirror with automatic dimming feature*

While the vehicle is being driven forward, this mirror dims light through an infinitely variable range depending on the light's incidence. Two photocells in the interior rearview mirror serve this purpose. One is positioned in the mirror, while the other is slightly offset on the opposite side of the mirror.

To ensure perfect functioning, keep the photocells clean and the area between the interior rearview mirror and the windshield free of any obstruction like stickers, etc.

Steering wheel

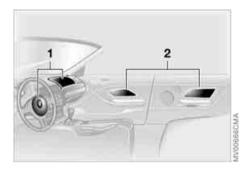


To adjust

Never attempt to adjust the steering wheel while driving the vehicle – it could respond with unexpected movement, posing a potential accident hazard.

- 1. Push the locking lever downward
- 2. Adjust steering column reach and height for your selected seating position
- 3. Pull the lever back up.

Airbags



The side airbags in the rear passenger area* of your vehicle may already have been deactivated by a BMW center. You may have them activated if you desire to do so. Please contact your BMW center for additional information.

The airbags do not deploy in response to minor collisions, rear impacts and certain kinds of vehicle rollover.

- 1 Front airbags on the driver and passenger sides
- 2 Side airbags on the driver and passenger sides – front and rear*

Protective effect

The front airbags supplement the threepoint safety belts by providing additional protection in the event of a severe frontal collision in which the protection afforded by the belts alone may no longer be sufficient. The side airbags provide protection in the event of a collision from the side. They help support the respective seat occupant's upper body.

For information on the correct sitting posture, refer to page 50.

Do not apply adhesive materials to Do not apply auresive material the cover panels of the airbags, cover them or modify them in any other way. Do not remove the airbag restraint system. In the event of a malfunction. deactivation or triggered activation - as a response to an accident - of the airbag restraint system, consult your BMW center for inspection, repair or disassembly. Do not modify or tamper with either the wiring or the individual components in the airbag system. These include the upholstered covers on the steering wheel, instrument panel, side trim panels of the doors and front roof pillars and on the sides of the headliner. Also, do not attempt to remove the steering wheel. 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. Do not touch the individual components immediately after the system has been activated, as this could result in personal injury.◀

59

60 Airbags

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 let an occupant's head rest near or on a side airbag because the inflating airbag could cause a serious or fatal injury. Please note that the word Airbag imprinted on the door trim panel indicates the airbag's location.

Accident research shows that the safest place for children in an automobile is in the rear seat. However, a child sitting in the rear seat and not properly restrained could place his or her head on or near the airbag, if so equipped. For example, a child - even though belted in - 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 not place their heads on or near the side airbag. Therefore, we recommend that the rear-seat side airbags, if installed in the vehicle, be deactivated if children will travel in the rear seat.

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

Even when all these guidelines are followed, there is still a small residual risk of injuries to the face, hands and arms occurring from airbag deployment in isolated instances.

In sensitive individuals, the ignition and inflation noise may induce a mild hearing loss that is temporary in most cases.

Corresponding airbag warning labels are located on both sun visors.



This is the right way a child should sit in a child restraint when rear side airbags are provided.

Airbags



If there is a system malfunction, there is a risk that the airbags will not be triggered within their normal response range, even if the level of impact would normally have triggered them. Have your BMW center inspect the airbag system immediately.

This is the right way a larger child should sit wearing the seat belt when rear side airbags are provided.

Indicator lamp



The indicator lamp indicates the operational status of the airbag system when the ignition key is

in position 1 or higher.

System operational:

The indicator lamp comes on briefly when you turn the ignition key to position 1 or higher.

System malfunction:

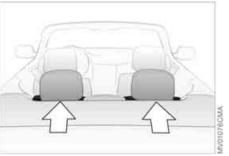
- ▷ Indicator lamp does not come on or
- ▷ indicator lamp lights up continuously.

To avoid undesired movement at high speeds, always store the rear safety belts in their retainers when they are not in use.

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.

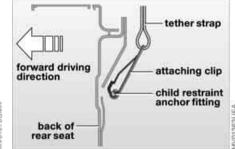
Correct location for installing

In your BMW, all seats equipped with a three-point safety belt – except for the driver's seat – are suitable for installing universal child-restraint systems of all age classes and which have been approved for the age group in question.



Child-restraint system with tether strap

If you use a child-restraint system with a tether strap, two additional tether anchorage points have been provided.



Depending on the location selected for seating 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.

- 1. Open the convertible top compartment lid, refer to page 39 or 44
- 2. Lift the headrest and pass the tether strap between the headrest and the seat back. It is recommended that you return the head restraint back to its lowest possible position
- Adjust the tether strap according to the child-restraint manufacturer's instructions
- 4. Close the convertible top compartment panel.

It is recommended to cover the childrestraint attaching clip with a soft material to prevent damage to the stored soft top.

Should a hard top be installed, the fitting of child harness tether strap/s – if child seat is required – is necessary before installation of the hard top.

Before installing any childrestraint device or child seat, please read the following: Never install a rearward-facing childrestraint system in the front passenger seat of this vehicle.

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 device in the front passenger seat, since the impact of the airbag against the child restraint's backrest could lead to serious or fatal injuries. If it is necessary for a child – not an infant - to ride in the front seat, certain precautions should be taken. First. move the passenger seat as far away from the dashboard as possible. This important precaution is intended to maximize the distance between the airbag and the child. Older children should be tightly secured with the safety belt after they have outgrown a booster seat that is appropriate for their age, height, and weight. Younger children should be secured in an appropriate forward-facing child-restraint system that has first been properly installed with a safety belt. Never install a rearward-facing childrestraint system in the front passenger seat.

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.

Do not attempt to modify child-restraint systems. If you do this, the protection provided by these systems could be impaired.

Be sure that all occupants – of all ages – remain properly and securely restrained at all times.

All rear seating positions in your vehicle meet the recommendations of SAE J1819, an industry-recommended practice for securing child-restraint systems in motor vehicles.

63

Repairs

nance



The belt cannot be extracted further. Always observe the installation instructions provided by the manufacturer of the child-restraint system.

To unlock the safety belt

Release the safety belt, remove the child seat and retract the safety belt to its end position on the belt retractor.



Securing child-restraint system

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

A label with the appropriate instructions is located in the immediate vicinity of the buckle of each safety belt.

To lock the safety belt

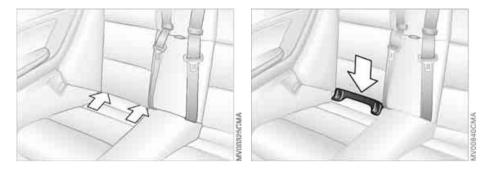
Extract the entire length of the belt from the inertia reel mechanism. Allow the reel to retract the belt somewhat and engage the buckle, then tighten the belt against the child-restraint system. The retraction mechanism is now locked.

LATCH child-restraint mounting system

LATCH: Lower Anchors and Tethers for CHildren

The left and right rear seats are both equipped with a LATCH child-restraint mounting system.

The LATCH anchorage points may be identified by flags on the outer points or by symbols or buttons directly above all points.



The anchorage points for the LATCH child-restraint system are located behind the upholstery at the positions indicated by the arrows.

Carefully slide the brackets through the gaps in the upholstery at the indicated locations.

Always follow all manufacturer's instructions and observe all safety precautions when installing the LATCH child-restraint mounting system. To avoid undesired movement at high speeds, always store the rear safety belts in their retainers when they are not in use. Your BMW center can provide you with a special installation aid* that helps prevent damage to the upholstery.

Press the installation aid firmly in the crack between the seat and the back-rest upholstery until both funnels click onto the LATCH system bars in the seat.

The illustration is an example showing the anchorages for a LATCH child seat system on the right rear seat. 65

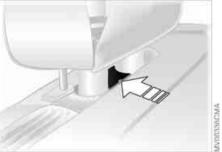
66 Rollover protection system

In the event of an accident or some other critical driving situation – extreme tilting in the longitudinal or transverse axis, loss of contact with the ground – the rollover protection system will be automatically activated. The protective bars located in the rear head restraints extend within fractions of a second.

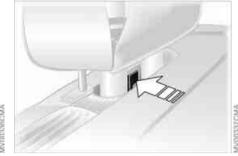
In addition to the integrated rollover bar in the windshield frame, the rollover protection system affords all the vehicle occupants necessary headroom.

Always keep the travel path for the rollover protection system free and clear. Under no circumstances should you cover the head restraints. In the event of less serious accidents, the safety belt will protect you and, depending on the severity of the accident, so will the safety belt tensioner and the multi-stage airbag restraint system as well.

If, after being automatically triggered, its protective function is not needed, then the rollover protection system can be lowered back into place. No special tool is needed for this.

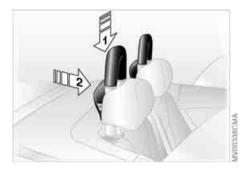


1. Using a screwdriver from the onboard tool kit, remove the cover panel; to do this, position the screwdriver under the notch



2. Push the lever toward the front of the vehicle and keep it in this position

Rollover protection system



- Keep pressing down on the protective bar – see arrow 1 – from on top until you hear it click into place
- 4. Put the cover panel back in place and press down firmly
- 5. Push the back panel of the head restraint closed see arrow 2.

Do the same for the second protective bar. If you are not familiar with any of the procedures, consult your BMW center.

Have the rollover protection system checked out by your BMW center after it has been inadvertently triggered. Do not move the convertible top under any circumstances if the rollover protection system has extended.

Do not use the rear head restraints as storage shelves.

Absolutely no modifications are to be made to any of the rollover protection system's individual components or any of its wiring.

Only your BMW center is to carry out any work on the rollover protection system.

Work done on the system that is carried out improperly could lead to failure in an emergency or accidental activation. Regarding having the system checked to ensure long-term operation: be scrupulous in adhering to the Service interval display for maintenance intervals. Every 2 years at the latest, the rollover protection system must be inspected at a BMW center. <

68 Vehicle Memory, Key Memory

How the system functions

No doubt you have reflected at one time or another on how great it would be if you could permanently configure your vehicle's various features and adjustments to mirror your own individual preferences. In engineering your vehicle, BMW has provided for a number of options for personal adjustment that can be programmed into your vehicle at your BMW center.

The available configuration data fall into two categories, according to whether their primary orientation is the vehicle – Vehicle Memory – or the individual – Key Memory. Provided that each person has a separate remote-control key, you can have your BMW center enter basic adjustment data for up to four individuals in the system.

The system then relies on a bilateral data exchange to identify the individual user and executes the selected settings whenever the remote control unit is used to disengage the door locks.



Distinguishing between keys

Color-coded decals have been provided to help you distinguish individual keys with different settings.

What the system can do

Your BMW center can provide you with details on the capabilities of the Vehicle Memory and Key Memory systems.

You will see this symbol throughout the Owner's Manual. It is to remind you at appropriate places of the settings that are available to you.

Examples for Vehicle Memory:

Various signals as acknowledgment when locking or unlocking your vehicle, refer to pages 29, 31

- Activates/deactivates the 'Follow me home' function, refer to page 95
- Activates/deactivates daytime driving lamps, refer to page 95
- Sets the units of measure for displaying time, outside temperature, distance traveled and fuel consumption in the instrument cluster
- When you shift into Reverse, an acoustic signal indicates that PDC has been activated, refer to page 90
- Switches on rear window defroster automatically, refer to pages 102, 107
- Activates/deactivates various alarm system functions, refer to page 37
- After giving an ice warning, the onboard computer display returns to the previous setting, refer to page 88.

Examples for Key Memory:

- Unlocks driver's door first, then the vehicle's remaining locks, refer to page 31
- Locks the vehicle automatically after you start off, refer to page 32
- Automatically adjusts the driver's seat to the personal programmed settings when the vehicle is unlocked, refer to page 55
- Automatic tilting of the passengerside mirror, refer to Automatic curb monitor, page 56.

Ignition lock

Starting the engine



Ignition key positions

- 0 Steering locked
- 1 Steering unlocked
- 2 Ignition on
- 3 Start engine

Steering locked

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

After removing the key, turn the steering wheel slightly to the left or right until you hear the lock engage.

If the key is not removed, an acoustic signal sounds when the driver door is opened.

Vehicles with automatic transmission:

Do not move the selector lever from position P until the engine is running, ignition key position 2.

Your vehicle is equipped with an interlock. Therefore, the ignition key cannot be turned to position 0 or removed until the selector lever is in position P.◄

Vehicles with manual transmis-

Step on the clutch when starting the vehicle. A lockout prevents the engine from starting if the clutch is not depressed.◀

Steering unlocked

You will find that it is often easier to turn the ignition key from position 0 to position 1 when you move the steering wheel slightly to help disengage the lock.

Individual electrical accessories are ready for operation.

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

Do not allow the engine to run in enclosed spaces. Otherwise, breathing the exhaust fumes can lead to unconsciousness and death. The exhaust gases contain carbon monoxide, an odorless and colorless, but highly toxic gas. Do not leave the vehicle unattended with the engine running. An unattended vehicle with a running engine represents a safety hazard. When driving, standing at idle or parking the vehicle, take care to avoid contact between the hot exhaust system and flammable materials - grass, hay, leaves, etc. Such contact could lead to a fire, resulting in serious personal injury and property damage.

Start the engine. Do not press the accelerator pedal.

Do not actuate the starter for too short a time, but do not actuate it for more than approx. 20 seconds. Release the ignition key immediately when the engine starts. Data

70 Starting the engine

If the engine does not start on the first attempt – if it is very hot or cold, for instance:

Press the accelerator pedal halfway down while engaging the starter.

Cold starts at extremely low temperatures below approx. +5 $^{\rm o}F$ /–15 $^{\rm o}C$ and at altitudes over 3,300 ft/1,000 m:

- On the first start attempt, it may be necessary to engage the starter for a longer period – but no longer than 20 seconds
- Press the accelerator pedal halfway down while engaging the starter.

Extended starting attempts, characterized by excessively frequent or long periods with the starter engaged can damage the catalytic converter.

Engine idle speed is controlled by the engine computer system. Increased speeds at start-up are normal and should decrease as the engine warms up. If engine speed does not decrease, service is required. To prevent the battery from discharging, always deactivate electrical devices that are not in use. Switch the ignition off when the vehicle is not being driven.

Manual transmission

- 1. Engage the parking brake
- 2. Gearshift lever in idling position
- Depress the clutch pedal.
 If the clutch pedal is not depressed, the engine cannot be started
- 4. Start the engine.

Automatic transmission

- 1. Depress footbrake
- 2. Place the selector lever in position P or N
- 3. Start the engine.

To prevent the vehicle from starting off on its own, always move the selector lever to position P and engage the parking brake before leaving your vehicle with the engine running.

Do not leave the vehicle unattended with the engine running. An unattended vehicle with a running engine represents a safety hazard.◄

Sequential manual gearbox SMG

- 1. Depress footbrake
- 2. Move selector lever into position N
- 3. Start the engine.

If the engine does not start, reengage the gear last selected, refer to the gear indicator in the display, and move the selector lever into neutral position N again.

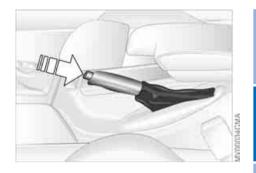
The gearbox is automatically taken out of gear if the driver's door is opened while the engine is running and the driver does not actuate the pedals, the shift paddles or the selector lever. This is accompanied by a warning tone and the flashing gear indicator. The gear display N appears in the instrument cluster.◀

Before exiting the vehicle with the engine running, move the selector lever into position N and apply the parking brake.

Do not leave the vehicle unattended with the engine running. An unattended vehicle with a running engine represents a safety hazard.◀

Switching off the engine

Parking brake



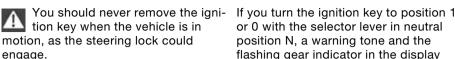
The parking brake is primarily designed to prevent the vehicle from rolling while parked. It operates on the rear wheels.

To engage

The detent engages automatically and the indicator lamp in the instrument cluster comes on when the ignition key is in position 2, refer to page 18.

To release

Pull up slightly on the lever, press the button and lower the lever.



remind you that no gear is engaged to

secure the vehicle against rolling.

The warning stops after approx.

9 seconds.

When you leave the vehicle, always remove the ignition key and engage the steering lock.

Always engage the parking brake when parking on slopes and inclined surfaces. Engaging a gear may not provide adequate resistance to rolling.

Vehicles with manual transmission

engage.

Turn the ignition key to position 1 or 0.

Automatic transmission

Move the selector lever into position P. and turn the ignition key to position 1 or 0.

SMG gearbox

If you turn the ignition key to position 1 or 0 with the selector lever in position R, or in sequential mode, a gear automatically remains engaged.

72 Parking brake

If exceptional circumstances make it necessary to engage the parking brake while the vehicle is in motion, do not pull it with excessive pressure. Keep your thumb pressed against the release button while carefully pulling the lever up.

Excessive pressure can lead to overbraking and loss of traction – fishtailing – at the rear axle.

The brake lamps do not come on when the parking brake is engaged.

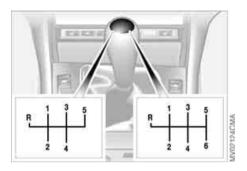
Vehicles with manual or SMG gearbox: Engage the parking brake when parking on downhill roads, since engaging a gear may not provide adequate resistance to rolling, not even in first or reverse gear.

Vehicles with automatic transmission: place the selector lever in P.◀

To avoid corrosion and one-sided braking, apply the parking brake from time to time when coasting to a standstill – at a traffic signal, for example – provided that it is safe to do so.

Manual transmission

Do not hold the vehicle in place on slopes by slipping or 'riding' the clutch. Use the parking brake instead. Riding the clutch leads to severe and premature clutch wear.



6-speed transmission*

When changing gear in the 5th/6th gear plane, be sure to press the gearshift lever to the right to prevent inadvertently shifting to a gear of the 3rd/4th gear plane.

Reverse

Select only when the vehicle is stationary. Press the gearshift lever to the left to overcome the slight resistance.

When you select reverse the backup lamps will light up automatically when the ignition key is in position 2.

The concept

The sequential manual gearbox SMG is an automated manual gearbox with which clutching and shifting is assumed by an electro-hydraulic system.

The SMG is operated via the selector lever in the center console and two shift paddles on the steering wheel.

It offers the following functions:

- ▷ Sequential mode: manual mode
- ▷ Drive mode: automatic operation
- Ability to choose between two different driving programs: Standard, Sport
- Operating safety through protection against misshifting
- Automatic upshifts and downshifts in the drive mode
- Automatic downshifts at minimum engine rpm
- \triangleright Kickdown function in the drive mode.
- Acceleration assistant, refer to page 76.



Selector lever positions

The current selector lever position is indicated by a light-emitting diode in the center console.

- R: Reverse
- N: Neutral

Position for forward driving with one-touch functions:

Sequential mode

- +: manual upshifts
- -: manual downshifts
- D: drive mode.

The SMG is ready for operation in ignition key position 2. The gearbox is automatically placed in neutral gear if the driver's door is opened while the engine is running and the driver does not actuate the pedals, the shift paddles or the selector lever.

This is accompanied by an acoustic signal and the flashing gear indicator. The gear display N appears in the instrument cluster.

A driving position can only be engaged when the driver's door is closed.

When the vehicle is unlocked, a buzzer in the area of the transmission indicates that the system is ready for operation.

Shiftlock

When the car is at a standstill, a safety function requires you to depress the brake pedal if you want to move the selector lever from the neutral position N to a driving position.

Driving precautions

Use enough acceleration to pull away speedily when moving off on an uphill gradient. Never try to prevent the car from rolling back on an uphill gradient by depressing the accelerator pedal; always apply the handbrake. Otherwise you could overheat the SMG gearbox.

Data

R Reverse

Select only when the vehicle is stationary.

N Neutral

Always engage before starting the engine, refer to Starting the engine on page 70.

Sequential mode

Each time the engine is started, the sequential mode is activated as soon as you move the selector lever into the forward driving position while the brake is depressed.

The gears are shifted via the shift paddles or the selector lever.

It is also possible to drive off in second gear, e.g. on snow-covered roads.

D Drive mode

In the drive mode all forward gears are shifted automatically.

To switch from sequential to drive mode: tap the selector lever to the right toward D.

For rapid acceleration, e.g. during passing, depress the accelerator pedal completely: kickdown.

To switch back to sequential mode: tap the selector lever again to the right toward D or change the current gear via the shift paddles or the selector lever.

Kickdown

You can achieve maximum acceleration using kickdown.

Depress the accelerator pedal past the increased resistance point at the full-throttle position.



Shifting gears

With the selector lever:

- To upshift, tap the selector lever toward +
- \triangleright To downshift, tap the lever toward –.

With the shift paddles on the steering wheel:

- ▷ To upshift, pull one of the shift paddles
- \triangleright To downshift, push the paddle.

You accelerate from higher gears, e.g. during passing, by manually downshift-ing.

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

Upshifts and downshifts are only executed at appopriate combinations of engine rpm and vehicle speed. For

instance, downshifts that would result in excessive engine speed cannot be executed

- When you brake the car to a stop, the transmission automatically shifts down to first gear
- As speed diminishes the transmission will shift down automatically, without any action on your part, just before the vehicle slows to below each gear's minimum speed.



Available displays

RN123456

D1 D2 D3 D4 D5 D6

The currently engaged gear, the selected mode, and any malfunctions are displayed in the instrument cluster.

Indicator lamp



If the indicator lamp comes on, there is a malfunction in the transmission system.

All selector lever positions can still be engaged, but in the forward driving positions only certain gears are actually available when the vehicle is driven.

Avoid extreme loads and proceed to the nearest BMW center.

For information on jump-starting and towing the vehicle, refer to page 163.

Warning tone

An acoustic signal sounds if the SMG gearbox overheats; if possible you should either stop or increase your pull-away speed so that the system can cool down.



Sport program

You can choose between two driving programs: smoothly dynamic or Sport. With the sport program, gearshifts are faster in sequential mode and the shift points are adapted in drive mode.

To activate the Sport program: press the SPORT button. The LED in the button lights up.

Acceleration assistant

The acceleration assistant permits optimum racing-style acceleration when you are driving off on roads with good grip. Do not use the acceleration assistant too frequently as this could cause premature wear of the components.

- 1. Activate the Sport program
- 2. Press and hold the DSC button, refer to page 91, for more than three seconds
- Quickly press the accelerator pedal down fully: kickdown. The optimum rpm for driving off will be adjusted.

To maintain vehicle stability, always drive with the DSC activated whenever possible.

Automatic transmission with Steptronic*

In addition to the fully automatic operation, you can also shift gears manually with Steptronic, refer to page 78.

When you move the selector lever from the D position to the left into the M/S range, the performance-oriented shift programs of the automatic transmission are engaged. Steptronic enters the manual selection mode and executes the desired shift whenever you tap the selector lever in the direction indicated by + or -. Whenever you want to use automatic again, just move the selector lever toward the right to position D.

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

Selector lever positions

P R N D M/S + -

Starting the engine

The engine can only be started in selector lever positions P – for Park – or N – for Neutral.



Range selection

A catch prevents inadvertent movement of the selector lever to positions R and P. To deactivate the catch, press the button on the front of the selector lever knob, see arrow.

While the vehicle is stationary and before shifting out of Park or Neutral, depress the footbrake in order to disengage the selector lever's lock mechanism – Shiftlock. <

Hold the footbrake down until starting off. Otherwise the vehicle will 'creep' when a drive position is engaged. To prevent the vehicle from starting off on its own, always move the selector lever to position P and engage the parking brake before leaving your vehicle with the engine running. Do not leave the vehicle unattended with the engine running. An unattended vehicle with a running engine represents a safety hazard.

P Park

Select only when the vehicle is stationary. Transmission locks to prevent rear wheels from turning.

R Reverse

Select only when the vehicle is stationary.

N Neutral

Engage this when you are driving through a car wash, for example. The vehicle can roll.

D Drive, automatic shift program

This position is designed for driving under all normal operating conditions. All forward gears are available.

78 Automatic transmission with Steptronic*

Kickdown

You can achieve maximum road performance using kickdown.

Depress the accelerator pedal past the increased resistance point at the full-throttle position.



M/S manual operation and Sport program

When you move the selector lever from the D position to the left into the M/S range, the sport program is activated, indicated by the letters SD in the instrument cluster. The M/S mode is recommended for performance-oriented driving. Steptronic enters the manual selection mode and executes the desired shift whenever you tap the selector lever in the direction indicated by + or –.

This mode allows you to execute upshifts manually by tapping the lever toward +, while downshifts are selected by tapping in the – direction. The displays M1 through M5 appear in the instrument cluster. The transmission will only execute upshifts and downshifts that will result in an appropriate combination of vehicle speed and engine rpm. For instance, downshifts that would result in excessive engine speed are not executed. The desired, then the actual gear, briefly appear in the instrument cluster.

Whenever you want to use automatic again, just move the selector lever toward the right to position D.

Shifting from M/S to the selector lever positions P, R and N is possible only by going through D.

To accelerate quickly in the manual mode for maneuvers such as passing another vehicle, shift down manually or employ the kickdown mode.

Shifting from M/S to the selector lever positions P, R and N is possible only by going through D.

Automatic transmission with Steptronic*



Available displays

P R N D SD M1 M2 M3 M4 M5

Electronic transmission control module



If the indicator lamp comes on, there is a malfunction in the transmission system.

Bring the vehicle to a stop. Move the transmission selector lever to P. Set the parking brake and turn the engine off – ignition key to position 0.

Wait a few seconds, then start the engine.

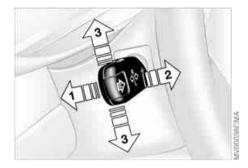
If the indicator lamp goes out after a few seconds, normal transmission performance has been restored. You may continue to drive as usual. If the indicator lamp does not go out, you can place the selector lever in all positions. However, the vehicle will now only operate in 3rd and 4th gear.

If this happens, avoid extreme engine loads and consult the nearest authorized BMW center.

Never work in the engine compartment when a drive gear – forward or reverse – is engaged. If you do this, the vehicle could move. <

For towing or jump-starting, refer to the information beginning on page 163.

80 Turn signal indicator/Headlamp flasher



- 1 High beams
- 2 Headlamp flasher
- 3 Turn signal indicators

To signal briefly

Press the lever up to the detent but not beyond. It then returns to the center position when released.

If the flashing of the indicator lamp and the clicking from the relay are both faster than usual, one of the turn signal indicators has failed.

Washer/wiper system/Rain sensor*



- 0 Wipers retracted
- 1 Intermittent mode or rain sensor
- 2 Normal wipe
- 3 Fast wipe
- 4 Brief wipe
- 5 Rotary dial for control of the wipe interval or the sensitivity of the rain sensor

Intermittent mode

Not on vehicles with rain sensor.

You can select any of four sweep intervals with rotary dial 5.

In addition, the wipe interval varies automatically depending on road speed.

Rain sensor*

The rain sensor is located on the windshield directly behind the rearview mirror.

To activate the rain sensor:

 With the ignition key in position 1 or higher, move the lever to position 1. The wipers will make at least one sweep across the windshield.

You can leave the lever in position 1 at all times. With the ignition key in position 1 or higher, all you then need

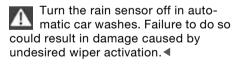
to do to activate the rain sensor is

- ▷ turn rotary dial 5 upward or
- \triangleright clean windshield 1, refer to page 82.

To adjust the sensitivity of the rain sensor: turn rotary dial 5.

To switch off the rain sensor:

Return lever to position 0.



Normal wiper speed

When the vehicle is stationary, the wipers switch automatically to intermittent wipe – not on vehicles with rain sensor.

Fast wiper speed

When the vehicle is stationary, the wipers operate at normal speed – not on vehicles with rain sensor.

82 Washer/wiper system/Rain sensor*



When the vehicle's lighting system is switched on, the headlamps will also be cleaned at reasonable intervals.

Windshield washer nozzles

The windshield washer nozzles are heated automatically* when the ignition key is in position 2.

Cruise control*

You can store and automatically maintain any desired vehicle speed above approx. 20 mph / 30 km/h.

The cruise control is available whenever the engine is running and the system has been activated.

To activate the system

1/0

In ignition key position 2:

Press the button in the steering wheel. The indicator lamp in the instrument cluster comes on, refer to page 20. You can now use the cruise control.

Do not use cruise control on twisting roads, when high traffic density prevents driving at a constant speed, or when the road surface is slick - snow, rain, ice - or loose - rocks or gravel, sand.

To deactivate the system

1/0

Press the button as often as needed until the indicator lamp in the instrument cluster goes out.

Cruise control is also deactivated when the ignition key is in position 0.

0 Wipers retracted

1 Clean windshield and headlamps

Cleaning windshield and headlamps*

Do not use the washers if there is any danger that the fluid will freeze on the windshield, as your vision could be obscured. Always use a windshield washer antifreeze in cold weather. Refer to page 142. Do not use the washers when the reservoir is empty. This could cause damage to the washer pump. ◀

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

Cruise control*

The speed stored in memory is deleted. To decelerate

To store and maintain speed or to accelerate



Press button + briefly:

The system maintains and stores the current vehicle speed. Every time you tap the button, the speed increases by approx. 0.6 mph / 1 km/h.

Press and hold button +:

The vehicle accelerates without pressure on the accelerator pedal. When you release the button, the system maintains and stores the current speed.

If on a downhill gradient the engine braking effect is not sufficient, the controlled speed can be exceeded. Speed can drop on uphill grades if the engine output is insufficient.◀



Press button - briefly:

If you are already driving with activated cruise control, the speed is decreased by approx. 0.6 mph / 1 km/h every time vou tap the button.

Press and hold button -:

With the cruise control active, the svstem automatically reduces the throttle opening to slow the vehicle. When you release the button, the system maintains and stores the current speed.

To interrupt the cruise control

1/0

When the system is activated, press the button. The indicator lamp stays on. You can use the cruise control again whenever you want by calling up the speed that was stored last.

In addition, cruise control is interrupted automatically:

 \triangleright When the brakes are applied

▷ When you apply pressure to the clutch pedal, or when you move the automatic transmission selector lever from D to N

▷ If you exceed or fall below the programmed speed for an extended period - by depressing the accelerator, for example.

To recall the stored setting



Press the button:

The vehicle accelerates to and maintains the last speed stored.

ntenance

Nai

Overviev

Tachometer

Energy control

84 Odometer







- 1 Odometer
- 2 Trip odometer

Odometer

You can activate the displays shown in the illustration with the ignition key in position 0 by pressing the left button in the instrument cluster.

Trip odometer

To reset the trip odometer to zero, press the left button with the ignition key in position 1 or higher. Do not operate the engine with the needle in the red overspeed zone of the gauge.

To protect the engine, the fuel supply is interrupted when you approach this sector.

Indicates the current fuel consumption in mpg – in liters/100 km on Canadian models. This allows you to see whether your current driving style is conducive to fuel economy with minimum exhaust emissions.

When the vehicle is stationary, the display goes to Maximum – zero on Canadian models.

Fuel gauge

Engine coolant temperature gauge





Once the indicator lamp stays on continuously, there are still approx. 2.1 gallons/8 liters of fuel in the fuel tank.

Fuel tank capacity approx. 16.6 gallons/63 liters.

Certain operating conditions, such as those encountered in mountainous areas, may cause the needle to fluctuate slightly.

Fill the fuel tank before it is completely empty. Driving to the last drop of fuel can prevent the engine from operating properly and result in damage.

When you switch on the ignition, the indicator lamp lights up briefly as an operation check.

Blue

The engine is still cold. Drive at moderate engine and vehicle speeds.

Between the blue and red zones

Normal operating range. The needle may rise as far as the edge of the red sector during normal operation.

Red

When you switch on the ignition, the warning lamp comes on briefly as an operation check.

If the lamp comes on during normal vehicle operation: the engine has overheated. Shut off the engine immediately and allow it to cool down. To check coolant level, refer to page 144.

86 Service interval display



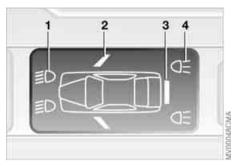
Remaining distance to next service

The displays shown in the illustration appear for a few seconds when the ignition key is in position 1 or higher or after the engine is started.

The next service due appears with the message OIL SERVICE or INSPECTION, together with the distance remaining in miles – in kilometers in Canada – before the next scheduled service.

The computer bases its calculations of the remaining distance on the preceding driving style. A flashing message and a "-" in front of the number mean that the service interval has already been exceeded by the distance shown on the display. Please contact your BMW center for an appointment.

Check Control



Display

When the ignition key is in position 2, the following information and/or conditions are indicated using symbols until the conditions have been corrected.

- 1 Check the low and high beams as well as the parking lamps
- 2 Door open
- 3 Luggage compartment lid open
- 4 Check tail or brake lamps

When you open the driver's door after having turned the ignition key to position 0, you will hear an acoustic signal for a few seconds to remind you that the lamps have not been switched off.

Clock

If you wish to have a permanent time display, you can make this setting in the radio display, refer to the Owner's Manual for Radio.

You can set the clock and the time display in the car radio as follows.



Setting



Before the clock can be set, the time must be showing in the instrument cluster display.

With the ignition key in position 1 or higher

To set ahead: turn the right button to the right.

To set back: turn the right button to the left.

The adjustment speed will increase the longer you continue to hold the right button.

To change the display mode: press the right button briefly.

Every time you press the button, the clock display alternates between the 12-hour and 24-hour mode.

In ignition key position 0: the time is displayed for a few seconds after you press the left button, refer to Odometer on page 84.

88 Computer



Mode selection

With the ignition key in position 1 or higher, you can use the onboard computer button BC in the turn signal lever to retrieve information from the computer for display in the instrument cluster.

Every time you tap the onboard computer button BC, the display changes to the next function in sequence.

Order of the displays:

- ▷ Clock
- ▷ Outside temperature
- ▷ Average fuel consumption
- ▷ Range
- \triangleright Average speed.

When the ignition key is turned to position 1 or higher, the last active setting is displayed.



Outside temperature

You can change the units of measure, ${}^{\circ}F/{}^{\circ}C$, for the outside temperature display by pressing the right-hand reset button in the instrument cluster while the temperature display is active. The units of measure, ${}^{\circ}F/{}^{\circ}C$, in the temperature display of the automatic climate control change automatically, refer to page 104.

Ice warning

If the outside temperature drops to about 37.5 °F/+3 °C, then the computer will automatically switch to a display of the outside temperature. In addition, a signal sounds as a warning and the display flashes for a brief period.

Computer



After giving an ice warning, the M display returns to the previous settina.

The ice warning does not alter the fact that surface ice can form at temperatures above 37.5 °F/+3 °C. on bridges or shaded road surfaces, for instance.



Average fuel consumption

If you press the onboard computer button BC in the turn signal lever for longer while the average fuel consumption is being displayed, a new consumption value is calculated from that point in time.



If you wish, you can have the averwww age fuel consumption displayed in a different unit of measure.

Range

The display shows a range estimate based on the available fuel. The amount of fuel remaining in the tank is measured, the estimated range is calculated taking into account the operating conditions over the last 20 miles/30 km.

It is important that you refuel when the cruising range falls below approx. 35 miles/50 kilometers. Otherwise, the engine cannot be guaranteed to operate properly and damage may result.◀

Average speed

Any time spent when the vehicle is stationary and the engine is shut off is ignored for the calculation.

To reset the average speed: press the onboard computer button BC in the turn signal lever for approx. 2 seconds.

90 Park Distance Control (PDC)*

The concept

PDC assists you when you back into a parking space. Acoustic signals alert you to the momentary distance to an object behind your vehicle. The system features four ultrasonic sensors mounted in your rear bumper. The monitoring range for the two corner sensors extends outward roughly 2 ft/60 cm, while two centrally located sensors detect objects at distances of up to approx. 5 ft/1.50 m.

PDC is a parking aid that can identify objects if they are approached slowly, as is generally the case when parking. Avoid driving towards objects rapidly; due to underlying physical principles, the system may otherwise alert you too late for you to take evasive steps.

The system starts to operate automatically approx. one second after you shift into Reverse or move the selector lever into the R position with the ignition key in position 2.

> Let this short period elapse before driving backwards.

PDC is deactivated when you shift back out of Reverse.

You can have a signal set to confirm that the PDC has been activated. The signal then sounds when you shift into Reverse or move the selector lever into the R position.

Acoustic signals

The distance to the nearest object is indicated by a tone sounding at various intervals. As the distance between vehicle and object decreases, the intervals between the tones become shorter. A continuous tone indicates the presence of an object less than 1 ft/30 cm away.

The warning signal is canceled after approx. three seconds if the distance to the object remains constant during this time – if you are moving parallel to a wall, for instance.

System malfunctions will be indicated by a continuous high-pitched tone when the system is activated the first time. Please have the problem fixed by your BMW center. PDC does not replace the univer s personal responsibility for evaluat-PDC does not replace the driver's ing the distance between the vehicle and any objects. Always remember that the sensors can neither detect nor provide warnings of obstacles located within their blind angles. This applies especially in those cases where the system approaches the physical limits of ultrasonic measurement, as occurs with tow bars and trailer couplings, and in the vicinity of thin or wedge-shaped objects. Moreover, low objects that have already been detected - such as a curb edge - can disappear out of the detection range of the sensors before a continuous tone sounds.

Loud sources of sound from outside or inside the vehicle could drown out the PDC signal tone.◀

Keep the sensors clean and free of ice or snow in order to ensure that they will continue to operate effectively.

Do not apply high pressure spray to the sensors for a prolonged period of time. Always maintain a distance of more than 4 in/10 cm.◀

Dynamic Stability Control (DSC)

The concept

DSC supports vehicle stability, even in critical driving situations.

DSC is operational every time you start the engine.

DSC contains the Dynamic Traction Control (DTC) and Cornering Brake Control (CBC) functions.

Indicator lamps



The indicator lamp in the instrument cluster goes out shortly after you switch on the ignition,

refer to page 19.

- The indicator lamp flashes: DSC is actively controlling drive torque and braking intervention
- The indicator lamp stays lit: DSC has been switched off with the button; DTC and DBC are operational. DTC control intervention is not indicated.



The indicator lamp and the brake warning lamp continuously light up in yellow:



The DSC, DTC and DBC have been switched off manually or

there is a system malfunction.

The vehicle will remain completely operational, however, without DSC. In the event of a fault, please consult your BMW center.



Indicator and warning lamps for Canadian models.





Deactivating the DSC/activating the DTC

Tap the DSC button; the indicator lamp comes on and stays on.

DSC is deactivated; DTC is operational.

In the following rare situations, it may prove useful to activate the DTC for a brief period:

- When rocking the vehicle or starting off in deep snow or on loose surfaces
- ▷ When driving with snow chains
- When driving on snow-covered grades, in deep snow, or on a snowcovered surface that has been packed down from being driven on.

92 Dynamic Stability Control (DSC)

Under these special circumstances traction is increased by deactivating the control systems that enhance traction under normal conditions.

Deactivating the DSC and the DTC

Press the DSC button as long as you need to until the indicator lamp and the yellow brake warning lamp light up, but no more than 10 seconds.

The systems for enhancing stability and traction are deactivated, and there is no active braking intervention or torque control.

To maintain vehicle stability, always drive with the DSC activated whenever possible.

Reactivating the DSC

Tap the button again; the indicator lamp or the indicator lamps will go out. DTC is deactivated. The laws of physics cannot be repealed even with DSC. An appropriate driving style always remains the responsibility of the driver. We therefore urge you to avoid using the additional safety margin of the system as an excuse for taking risks. Whenever the DTC is activated, the DSC is switched off and performs minor stabilizing intervention.

Do not make any modifications to the DSC system. Allow only authorized technicians to perform service procedures on the DSC.◄

Flat Tire Monitor*

The concept

As you drive, the Flat Tire Monitor keeps track of pressure levels in all four tires. The system alerts you whenever the inflation pressure of a tire falls significantly below the pressure of another tire.

The system actually detects pressure loss by monitoring differences in the relative speeds of the four wheels. It interprets variations outside specified limits as severe pressure loss, and then responds by generating a warning.

Functional requirements

In order for the Flat Tire Monitor to learn the correct tire inflation pressure, please do the following:

- 1. Check the tire inflation pressures in all tires
- 2. Compare them with the tire inflation pressure table, refer to page 130, and correct them if necessary
- 3. Initialize the system.

Flat Tire Monitor*

System limitations

The Flat Tire Monitor cannot provide you with advance warning of sudden and severe tire damage caused by external factors and does not detect the balanced and very gradual pressure loss that takes place in all four tires over an extended period of time.

On the other hand, the following situations can lead to a delayed detection of pressure loss and even to the system not functioning:

- ▷ Driving on snow-covered or slippery roads
- ▷ Performance-oriented driving: slip at the drive wheels, high levels of lateral acceleration
- \triangleright When driving with snow chains, false warnings and undetected pressure losses may occur
- \triangleright When driving with a space-saver spare tire, the Flat Tire Monitor cannot function.



Initializing the system

- Each time you correct the pressure in a tire, or change a wheel or tire, reinitialize the system immediately afterwards. This requires a bit of driving.◀
- 1. Before driving off, start the engine but do not start driving
- 2. Press the button as long as you need to, but no more than 10 seconds. until the indicator lamp in the instrument cluster lights up in yellow for a few seconds
- 3. Drive off.

It takes a few minutes before the Flat Tire Monitor can detect a flat tire and issue a warning.

When driving with snow chains or a space-saver spare tire, do not initialize the system.

Flat tire



The indicator lamp in the instrument cluster lights up red. This visual alert is accompanied by an acoustic warning signal.

- 1. Carefully reduce speed and come to a stop. Avoid sudden braking and steering maneuvers
- 2. Determine which wheel is damaged

If this cannot be determined, contact your BMW center.

3. Replace the damaged wheel, refer to Changing a wheel on page 157.

After replacing the damaged tire, initialize the system.

Vehicles with Run Flat tires:

1. Carefully reduce your speed to under 50 mph / 80 km/h. Avoid sudden braking and steering maneuvers. Do not exceed a speed of 50 mph / 80 km/h

94 Flat Tire Monitor*

Brake force display

Because the sides of Run Flat tires are reinforced, a drop in inflation pressure usually cannot be detected from the outside, refer to Run Flat tires, page 135.

2. To continue driving, follow the instructions under Driving with a damaged tire on page 135.

System malfunction



The indicator lamp in the instrument cluster lights up yellow. The Flat Tire Monitor is malfunc-

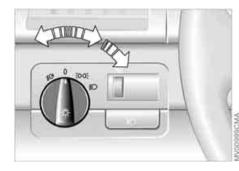
tioning or out of order. Please refer the problem to your BMW center.



Brake force display indicates to the road users behind you how hard you are braking.

- Normal braking: the brake lamps among the rear lamps and the center brake lamp light up
- Hard braking or braking with ABS: in addition, the illuminated rear lamp surface is extended, refer to the picture.

Parking lamps/Low beams



Parking lamps

The front, rear and side vehicle EDOE lighting is switched on. You can use the parking lamps to signal the position of the vehicle when it is parked. For lighting on one side for parking as an additional feature, refer to page 97.

Low beams

1

When the ignition is switched off while the low beams are on, the headlamps go out and only the

parking lamps remain on.

Follow me home lamps

When you activate the headlamp flasher after parking the vehicle with the lamps turned off, the low-beam headlamps will come on for a short time.

You can also have this function deactivated

LIGHTS ON warning

When you open the driver's door after having turned the ignition key to position 0, you will hear an acoustic signal for a few seconds to remind you that the lamps have not been switched off.

Daytime driving lamps*

If you desire, the light switch can be left in the second position: when the ignition is switched off, the external lighting is also switched off.

You can have the activation settings for the daytime driving lamps programmed on your vehicle.

Automatic headlamp control*



When the switch is set to this position the system automatically activates and cancels the

low beams in response to changes in ambient light, for example in tunnels, at dusk, and when it is raining or snowing.



The low-beam headlamps remain on, regardless of the ambient light, when you switch on the fog

Automatic headlamp control cannot serve as a substitute for the driver's judgement in determining when the vehicle lights should be switched on. For example, the sensors are not able to detect fog. To avoid safety risks, you should respond to these kinds of low-visibility situations by switching the headlamps on manually.

You can have the sensitivity of www.vour vehicle's automatic headlamp control adjusted.

96 Adaptive headlights*

Instrument lighting

The concept

Adaptive headlights is a variable headlamp control system for dynamically illuminating the road. Depending on the steering angle and other factors the light from the headlamps follows the course of the road.

Activating Adaptive headlights



With the ignition key in position 2, turn the light switch to the automatic headlamp control

position, refer to page 95. The LED next to the symbol lights up.

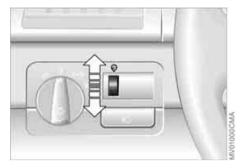
To avoid blinding oncoming traffic, adaptive headlights are

▷ not active while reversing,

▷ active only towards the front passenger side while the vehicle is at a standstill.

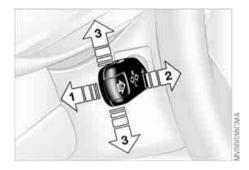
System malfunction

The LED next to the symbol for automatic headlamp control flashes. The adaptive headlight system is malfunctioning or out of order. Have the system checked as soon as possible.



Turn the rotary dial with the parking/ low beam lamps on to adjust the illumination intensity.

High beams/Standing lamps



- 1 High beams
- 2 Headlamp flasher
- 3 Standing lamps

Standing lamps, left or right

As an additional feature, you can illuminate your vehicle on either side for parking:

With the ignition key in position 0, engage the lever in the appropriate turn-signal position.

Front fog lamps



Controls

a mt

Tap the button to switch on or off.

The parking lamps or low-beam headlamps must be switched on. The green indicator lamp in the instrument cluster lights up to indicate that the front fog lamps are on.



If the automatic headlamp control is on, the low beams will come on automatically whenever you activate the front fog lamps.

98 Interior lamps





The interior lamps operate automatically.

To switch the interior lamps on and off manually

Press button 1 briefly:

If you want the interior lamps to remain off all the time, press and hold the button for approx. 3 seconds.

Press the button briefly to revert to normal operation.

Front reading lamps*

Switch on and off with the button 2 adjacent to each lamp.

Rear reading lamps*

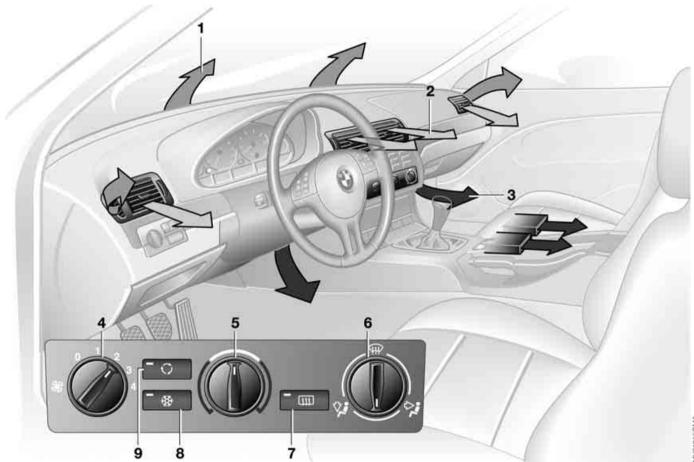
Rear reading lamps are also provided for rear seat passengers when the hardtop is installed, refer to page 127. Switch on and off with the button adjacent to each lamp.

In order to prevent battery discharge, all of the lamps in the vehicle are automatically switched off approx. 15 minutes after you turn the ignition key to position 0.◀

Overview	
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100 Air conditioning



Air conditioning

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- 6 Air distribution 102
- 7 Rear window defroster 102
- 8 Air conditioning 102
- 9 Outside air/Recirculated-air mode 102

102 Air conditionina

Air supply/Blower



You can select blower speeds from 1 to 4. The heating and ventilation become more and more effective as the air sup-

ply settings are increased. In position 0, the blower and the heater are switched off. The outside air supply is blocked in position 0.

Temperature



In order to increase the temperature of the passenger compartment, turn to the right toward the red zone. The tem-

perature of the incoming air is kept constant.

Air distribution



You can direct air to flow onto the windows \, toward your upper body 🐕 or into the footwell 🥨 All intermediate

settings are possible. In the setting 12. there is a low flow of air onto the windows to keep them free of condensation.

Rear window defroster

When the rear window defroster - 1111 is activated, the indicator lamp comes on. The rear window defroster switches off automatically after a short while.

You can have your vehicle programmed in such a way that the rear window defroster switches on automatically. This occurs within 5 minutes after starting the engine when outside temperatures are below approx. 39 °F/+4 °C.◀

Air conditioning



The air is cooled and dehumidified and - depending on the temperature setting - rewarmed.

Depending on the weather, the windshield may fog over briefly when the engine is started. Air conditioning helps prevent the windows from fogging up.

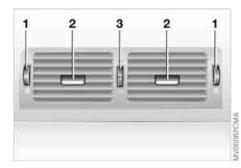
Condensation forms during operation of the air conditioning system, which then exits under the vehicle. It is thus not unusual for a small puddle to form under the car while the system is running.

Outside air/Recirculated-air mode

You can respond to unpleasant external odors by temporarily blocking the supply of outside air. The system then recirculates the air currently within the vehicle.

If the windows should fog over in the recirculated-air mode, switch this mode off and increase the air supply as required.

Air conditioning



Microfilter

The built-in microfilter removes dust and pollen from the incoming air. Your BMW center will replace it during routine maintenance. A substantial reduction in airflow indicates that the filter needs to be replaced before scheduled maintenance.

Draft-free ventilation

You can adjust the blower controls for the upper body area to obtain the optimum airflow rates and directions for your personal requirements:

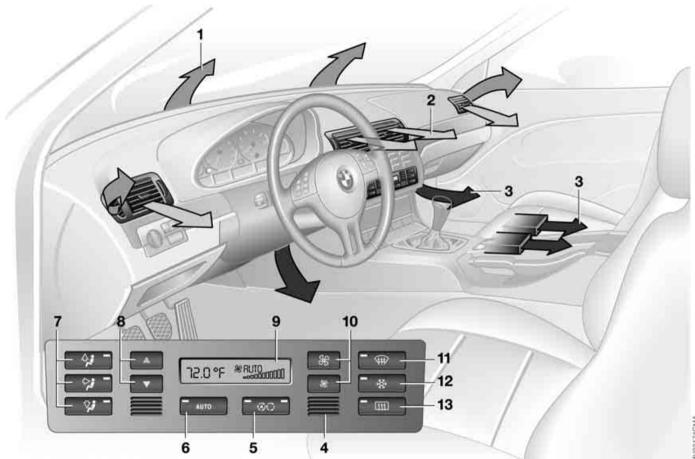
- 1 Rotary dials for infinitely variable opening and closing of the vent outlets
- 2 Levers for airflow direction
- 3 With the rotary dial, you can add more or less cool air to the air coming from the outlets for the upper body area:
 - ▷ Rotate toward blue colder
 - \triangleright Turn toward red warmer.

To defrost windows and remove condensation

- 1. Set the blower speed control for the airflow rate to position 4
- 2. Turn the rotary temperature control completely to the right, toward the red zone
- 3. Turn to the rotary control for air distribution to position 🖤
- 4. Switch on the rear window defroster to defrost the rear window.

7

Controls



MWD9174CMA

- 1 Air onto the windshield and the side windows
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- 3 Air to the footwell
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Tips for pleasant driving

Use the automatic mode – switch on with AUTO button 6. Select the desired interior temperature.

Detailed setting options are described for you in the following section.

You can make the settings of your vehicle in such a manner that, when you unlock the vehicle with the remote control of your personal key, your own personalized setting for the automatic climate control is initiated.

AUTO program

The AUTO program adjusts the air supply and the air distribution to the windshield and the side windows, towards the upper body and to the footwells, and in addition adapts the temperature to external influences: e.g. summer, winter.

The cooling function is automatically switched on when you are using the AUTO program.

Individual air distribution



You can cancel the AUTO program by selecting specific distribution patterns to suit your own individual requirements. While the AUTO program is then deactivated, the automatic airflow control remains in operation. Air flows onto the windows , toward the upper body , and into the footwell . You can reactivate the automatic air distribution mode by selecting the AUTO button.

Temperature

The interior temperature that appears in the display panel is a general figure intended for reference purposes. We recommend 72 °F/ +22 °C as a comfortable setting, even if the air conditioning is on. 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.

To select the units of measure $^{\circ}F/^{\circ}C$ of the display, refer to page 88.

Air supply/Blower

By pressing the upper or lower button, you can vary the air supply. This deactivates the automatic control of the air supply, AUTO disappears from the display panel. Nevertheless, the automatic air distribution remains unchanged. You can reactivate the automatic air distribution mode by selecting the AUTO button.

When the lowest blower speed is set and you press the lower button, all of the displays are canceled: the blower, heating and air conditioning are switched off. The outside air supply is blocked. You can reactivate the system by pressing any button for the automatic climate control.

To defrost windows and remove condensation

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

Air conditioning

The air is cooled and dehumidified and – depending on the temperature setting – rewarmed.

Depending on the weather, the windshield may fog over briefly when the engine is started. Air conditioning helps prevent the windows from fogging up.

The cooling function is automatically switched on when you are using the AUTO program.

Condensation forms during operation of the air conditioning system, which then exits under the vehicle. It is thus not unusual for a small puddle to form under the car while the system is running.

Outside air/Automatic recirculated-air control (AUC)/ Recirculated air

୕ଡ଼ଡ଼୕୕

You can respond to unpleasant external odors or pollutants by

temporarily stopping the flow of outside air. The system then recirculates the air currently within the vehicle.

Press the button repeatedly to select one of three different operating modes.

- Indicator lamps off: outside airflow is on
- Left indicator lamp on automatic mode: the system recognizes pollutants in the outside air and blocks the flow of air when necessary. The system then recirculates the air currently within the vehicle. Depending on the air quality, the automatic system then switches back and forth between outside air supply and recirculation of the air within the vehicle
- Right indicator lamp on: the flow of outside air into the vehicle is perma-

nently blocked. The system then recirculates the air currently within the vehicle.

If the windows should fog over in the recirculated-air mode, switch this mode off and increase the air supply as required.

Rear window defroster

With the convertible top closed or with the hardtop* mounted, press the button. The indicator lamp comes on. The rear window defroster switches off automatically after a short while.

You can have your vehicle programmed in such a way that the rear window defroster switches on automatically. This occurs within 5 minutes after starting the engine when outside temperatures are below approx. 39 °F /+4 °C. ◀

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Draft-free ventilation

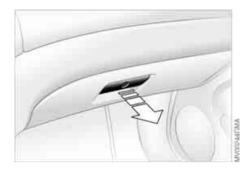
You can adjust the blower controls for the upper body area to obtain the optimum airflow rates and directions for your personal requirements:

- 1 Rotary dials for infinitely variable opening and closing of the vent outlets
- 2 Levers for airflow direction
- 3 With the rotary dial, you can add more or less cool air to the air coming from the outlets for the upper body area:
 - ▷ Rotate toward blue colder
 ▷ Turn toward red warmer.

Microfilter/activated-charcoal filter

The built-in 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. A substantial reduction in airflow indicates that the filter needs to be replaced before scheduled maintenance.

Glove compartment



To open

Pull the handle. The lamp in the glove compartment comes on.

To close

Fold the cover back up.



To prevent injury in the event of an accident, close the glove compartment immediately after use.

To lock

Lock with one of the master keys. A master key will also be required to unlock the glove compartment. To open the luggage compartment lid when the glove compartment is locked, refer to the instructions on page 33.

If - for example for valet parking you turn over only your spare key, refer to page 28, then access to the glove compartment and luggage compartment is not possible.

Rechargeable flashlight

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

It features integral overload-protection, so it can be left in its holder continuously.

To avoid completely discharging and possibly damaging the flashlight, always ensure that it is switched off before inserting it in the socket.

110 Integrated universal remote control*

The concept

The integrated universal remote control takes the place of up to three different handheld transmitters belonging to various radio remote control devices, such as door openers and home alarm systems. The integrated universal remote control recognizes and learns the signal sent by each original control device.

The signal of an original control device can be programmed into one of the three memory buttons 1. Afterwards, the programmed memory button 1 can be used to operate the corresponding device. The signal transmission is indicated by the indicator lamp 2.

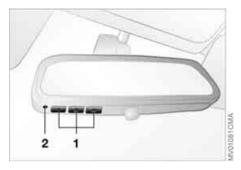
Before selling the vehicle, clear the memory buttons 1, refer to page 112.

While programming is in progress and before operating any programmed system by remote control using the integrated universal remote control, make sure that the area of movement of the system in question is clear of people, animals and inanimate obstructions, in order to avoid possible injury or damage. Also comply with the safety precautions issued for the original control device.

Checking compatibility

If this symbol is depicted on the packaging or in the operating instructions of the original control device, it is safe to assume that the remote-controlled system 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 or www.homelink.com. HomeLink is a registered trademark owned by Johnson Controls, Inc.◀



- 1 Memory buttons
- 2 Indicator lamp

Programming a fixed-code control device

Fixed-code control device

- 1. Turn the ignition key to position 2
- 2. Initial operation: press and hold down both outer buttons 1 for approx. 20 seconds until the indicator lamp 2 flashes. The three memory buttons 1 are cleared

Integrated universal remote control*

3. Hold the original control device approx. 2 to 8 in / 5 to 20 cm away from memory buttons 1.

The required distance between the control device and the memory buttons 1 may vary, depending on the system of the original control device in question.

- 4. Simultaneously press the command button of the original control device and the desired memory button 1 on the integrated universal remote control. Indicator lamp 2 starts to flash slowly. When indicator lamp 2 flashes rapidly, release both buttons. If the indicator lamp 2 does not flash rapidly after approx.
 15 seconds, select a different distance between the two devices
- 5. To program other original control devices, repeat steps 3 and 4.

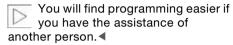
The corresponding memory button 1 is now programmed with the signal of the original control device.

The system can be operated from ignition key position 2.

If the system cannot be operated after repeated attempts at programming, check whether the original control device is equipped with an alternating-code system. You can either check the operating instructions of the original control device for this information, or you can press and hold down the programmed memory button 1 of the integrated universal remote control. If indicator lamp 2 of the integrated universal remote control flashes rapidly for a brief period and then remains on for approx. 2 seconds, the original control device is equipped with an alternatingcode system. In this case, you have to program the memory buttons 1 as described below for an alternatingcode control device.

Programming an alternating-code control device

You will need to follow the operating instructions of the system in question in order to program the integrated universal remote control. Read through the operating instructions for information on synchronization. Comply with the following additional instructions when you program an alternating-code control device:



- 1. Park the vehicle within range of the radio remote controlled device
- 2. Program the integrated universal remote control as described above in the section on fixed-code programming
- 3. Locate the button on the receiver of the target device, for example on the drive
- 4. Press the button on the receiver of the target device. Once you have completed step 4, you have approx. 30 seconds to complete 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 control device.



nance

Data

112 Integrated universal remote control*

Deleting memory buttons

Press and hold down both outer buttons 1 of the integrated universal remote control for approx. 20 seconds until the indicator lamp 2 flashes: All three memory buttons are cleared.

It is not possible to delete individual memory buttons 1.

Storage compartments



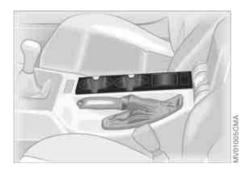
Front center armrest

To open: press the button and fold up.

Additional compartments and nets*

You will find additional storage compartments in the front doors and in the center console. Storage nets are on the front seat backrests.

Storage compartments



Beverage holders, coin box

A coin box and two beverage holders are provided in the center console.

Do not place any glass containers in the beverage holders, as this increases the risk of injury in the event of an accident.

Microphone*

Hands-free system

Manual.

On vehicles that are wired for a telephone* or equipped with a Voice Input System*, the hands-free microphone is located on the steering column. For further information on using your cellular phone or the Voice Input System. refer to the separate Owner's

Ashtray, front*

To empty

Press on the edge of the open cover. The ashtray moves up and can be removed.

Cigarette lighter

Hold or touch the hot cigarette lighter by the knob only. Holding or touching it in other areas could result in burns.

The cigarette lighter remains operational when the ignition key has been removed. For this reason, children should never be left in the vehicle unattended.◀

Press the lighter 1 in. You can remove the lighter from its socket for use as soon as it springs back out.

Ashtray, rear*

114 Ashtray, front*

Power socket

The cigarette lighter socket can be used as a power socket for a flashlight, car vacuum cleaner, etc., up to a rating of approx. 200 watts at 12 volts. Do not damage the socket by inserting plugs of the wrong shape or size. In vehicles with a non-smoker's equipment package, the socket is covered by a removable cap.



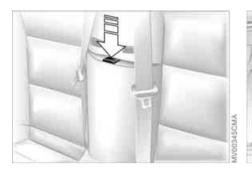
To empty

Press on the edge of the open cover in the opening direction. The ashtray moves up and can be removed.

Ski bag*

The ski bag allows the safe and clean transport of up to 3 pairs of standard skis or up to two snowboards.

The length of the ski bag and the additional space provided in the luggage compartment make it possible to carry skis up to 6 ft 10 in / 2.10 m long. Because of the tapered shape of the bag, only two pairs of skis longer than 6 ft 10 in / 2.10 m can be carried.

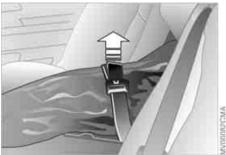


Loading

- 1. Take the rear safety belts out of their holders
- 2. Press lever downward and remove the center piece by pulling it forward
- Extend the ski bag between the front seats. The zipper provides convenient access to stored items. It may be opened to allow the ski bag to dry
- 4. Press the button in the luggage compartment

116 Ski bag*



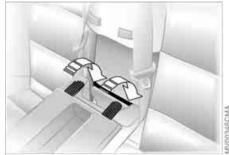


5. Use the magnetic holder to fasten the cover panel to the back wall, then pull out the ski bag.

Securing cargo

After loading, secure the ski bag and its contents. To do so, tighten the retaining strap at the tensioning buckle.

Be sure to secure the ski bag in this way, as it could otherwise injure occupants, for example during braking or evasive maneuvers. Be sure that the skis are clean before loading them into the bag. Be careful to avoid damage from sharp edges.



Stowing the ski bag

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

When reattaching the center piece, guide both bars into the guide and press the center piece back into place. Secure the safety belts in their holders again.◀

Cargo loading

Avoid overloading the vehicle so that the permitted load on the tires is not exceeded. Overloading can lead to overheating and internal tire damage. The ultimate result can assume the form of a sudden air loss.



Determining the maximum load

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

The combined weight of occupants and cargo should never exceed XXX kg or YYY lbs., as this could otherwise result in damage to the vehicle or unstable driving conditions.

- 2. Determine the combined weight of the driver and passengers that will be riding in your vehicle
- Subtract the combined weight of the driver and passengers from XXX kilograms or YYY pounds

4. The resulting figure equals the available amount of cargo and luggage load capacity.

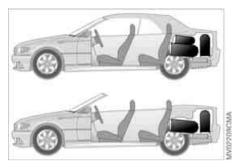
For example, if the XXX amount equals 1,400 lbs. and there will be five 150 lbs. passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs.:

1,400 lbs. minus 750 lbs. = 650 lbs.

- 5. Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4
- 6. If your vehicle will be towing a trailer, load from your trailer will be transfered 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.

118 Cargo loading

Max. Load ≤ ≤ Max. Load < _ Max. Load *** * *** + ≦ Max. Load



Load

The permissible load is the sum of the occupants' weights and the weight of the cargo. The greater the weight of the occupants, the less cargo can be transported.

Stowing cargo

- Load heavy cargo as far forward as possible – directly behind the luggage compartment partition – and as low as possible
- \triangleright Cover sharp edges and corners.

With the convertible top closed, you can increase the space in the luggage compartment – refer to page 35 – by folding back the convertible top compartment panel. We recommend that you always fold the convertible top compartment panel down as soon as you have removed your cargo from the luggage compartment. This way, you can be sure that you can always operate your convertible top at any time.

At the same time, when the top is raised you should fold the convertible top compartment panel back up before stowing large objects in the luggage compartment; this precaution will help reduce the likelihood of damage to either the convertible top compartment or your luggage.

Cargo loading



Securing cargo

- For small, light items, use the rubberlined, non-skid side of the floor mat or secure using the luggage compartment net* or elastic straps
- For large, heavy pieces, see your BMW center for load-securing devices*. Four anchorages located in the luggage compartment can be used for fastening these load-securing devices.

Read and comply with the information enclosed with the load-securing devices.

Always position and secure loads correctly. If you do not, the load can endanger the passengers during braking or evasive maneuvers. Do not exceed the approved gross vehicle weight or the approved axle loads, refer to page 172, otherwise the vehicle's operating safety is no longer assured and the vehicle will not be in compliance with the certification regulations.

Do not stow heavy or hard objects in the passenger compartment without securing them. Otherwise they could be thrown around during braking and evasive maneuvers and could endanger the passengers.◀

120 Roof-mounted luggage rack for the hardtop*



A special roof-rack system is available as an optional extra for your BMW. Please observe the precautions included with the installation instructions.

Anchorages

Access to the anchorages:

To fold up the covers, please use the tool provided with the roof-rack system.

Loading and driving notes

Roof-mounted luggage racks raise the center of gravity of the vehicle when they are loaded. For this reason, they exercise a major effect on the vehicle's handling and steering response. You should therefore always remember not to exceed the approved roof load capacity, the approved gross vehicle weight or the maximum axle loads when loading the rack. These weights are listed under Technical data on page 172.

Make sure that the load is not too bulky, and attempt to distribute it evenly. Always load the heaviest pieces first so that they are at the bottom. Make sure that no objects will be in the way when the luggage compartment lid is opening or closing.

Secure the roof-mounted luggage correctly and securely to prevent it from shifting or being lost during driving.

Drive smoothly and avoid sudden acceleration or braking. Do not corner at high speeds.

The roof-mounted luggage rack and the roof load increase the aerodynamic resistance: increased fuel consumption and additional stress on the vehicle's body are the result.



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124 Break-in procedures

To ensure that your vehicle continues to provide maximum economy throughout an extended service life, we request that you devote careful attention to the following instructions.

Engine and differential

The first 1,250 miles/2,000 km:

Drive at varying engine and road speeds, but do not exceed an engine speed of 4,500 rpm or a road speed of 100 mph / 160 km/h.

Always obey all official speed limits.

Do not use full throttle, and avoid pressing the accelerator beyond the kickdown point during these initial miles.

You can then proceed to increase engine or vehicle speeds once the initial 1,250 miles/2,000 km have elapsed.

Tires

Owing to technical factors associated with their manufacture, tires do not achieve their full traction potential until an initial break-in period has elapsed. We thus ask you to drive with extra care during the first 200 miles/300 km.

Always obey all official speed limits.

Brake system

Approx. 300 miles/500 km must elapse before the brake pads and rotors achieve the optimal pad-surface and wear patterns required for trouble-free operation and an extended service life later on.

To break in the separate parking brake drums, apply the parking brake lightly when coasting to a standstill, e.g. at a traffic signal, provided that traffic conditions permit to do so.

You can prevent corrosion in the drums by periodically repeating this procedure.

The brake lamps do not come on when the parking brake is set. Vacuum for the brake system servo unit on your BMW is available only when the engine is running. When you move the vehicle with the engine off – when towing, for example – substantially higher levels of pedal force will be required to brake the vehicle.

Clutch

Approx. 300 miles/500 km must elapse before the clutch starts to operate at optimum efficiency. Remember to engage the clutch carefully during this initial period.

After replacing parts

Follow the same break-in procedures if any of the components mentioned above have to be replaced in the future.

General driving notes

Hot exhaust system

High temperatures occur with every vehicle equipped with a catalytic converter. Heat shields are installed adjacent to some sections of the exhaust system. Never remove these shields; do not apply undercoating to their surfaces. When driving, standing at idle and parking the vehicle, take care to avoid contact between the hot exhaust system and flammable materials, e.g. hay, leaves, grass, etc. Such contact could lead to a fire, resulting in serious personal injury and property damage.◀

Parking the vehicle

Condensation forms in the air conditioner system during operation, which then exits under the vehicle. It is thus not unusual for a small puddle to form under the car while the system is running.

Before driving through a car wash

Fold in the exterior mirrors manually because they could otherwise be damaged due to the width of the vehicle.

Hydroplaning

When driving on wet or slushy roads, reduce vehicle speed. If you do not, a wedge of water may form between tire and road surface. This phenomenon is referred to as hydroplaning, and can lead to partial or complete loss of traction, vehicle control and braking effectiveness.

The risk of hydroplaning increases as the tread depth of the tires decreases, refer also to Tire tread on page 135.

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. Otherwise, the vehicle's engine, the electrical systems and the transmission may be damaged.

Braking safely

Your BMW is equipped with ABS as a standard feature. If you are in a situation which requires full braking, it is best to brake using maximum brake pressure: panic stop. Since the vehicle maintains steering responsiveness, you can avoid possible obstacles with a minimum of steering effort, despite the full brake application.

Pulsation at the brake pedal combined with sounds from the hydraulic circuits indicates to the driver that ABS is in its active mode.

Do not drive with your foot resting on the brake pedal. Otherwise, even light but consistent pedal pressure can lead to high temperatures, brake wear and possibly even brake failure.

Wet roads:

if the roads are wet or if there is heavy rain, it is advisable to gently press the brakes for a brief moment every few miles/kilometers. 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. Immediate braking force is then available if necessary.

126 General driving notes

Inclines:

To prevent overheating and, as a result, diminished braking effectiveness, drive down long or steep downhill grades in a gear which requires the least braking. Otherwise, even light but consistent pedal pressure can lead to high temperatures, brake wear and possibly even brake failure.

The braking power of the engine can be further enhanced by downshifting the automatic transmission in manual mode, if necessary, into first gear. This helps avoid placing excessive loads on the brake system. Do not coast with the clutch depressed or with the transmission or selector lever in Neutral. Do not coast with the engine switched off. Otherwise, the engine provides no braking effect while the transmission is in idling position, and there is no power-assist for braking or steering when the engine is off.

Floor mats, floor carpets or other objects must not be in the area near the brake or accelerator pedal, as this could impair the movement of the pedals.◀

Corrosion on the brake rotors

Limited vehicle use, extended periods with the vehicle parked or in storage, and operating conditions in which braking is restricted to gentle, low-pressure applications will all increase the tendency for corrosion to form on the rotors and contamination to accumulate on the brake pads. This occurs because the minimal pressure which must be exerted by the pads to clean the rotors by brake applications is not reached.

If the brake rotors are corroded, they will tend to respond to braking with a pulsating effect that even extended brake applications will fail to cure.

Brake pads

For your own safety: use only brake pads that BMW has released for your particular vehicle model. BMW cannot evaluate nonapproved brake pads to determine if they are suitable for use, and therefore cannot ensure the operating safety of the vehicle if they are installed.

Portable phone in the vehicle

BMW advises against using mobile equipment, e.g. cellular phones, inside the vehicle without connecting them directly to an outside antenna. Otherwise, it cannot be ruled out that vehicle electronics and the mobile equipment interfere with one another. In addition, it is not ensured that the radio waves emitted during transmission are directed outside of the vehicle interior.

Antilock Brake System (ABS)

The concept

ABS keeps the wheels from locking during braking, thereby enhancing active driving safety.

Braking with ABS

If you are in a situation that requires full braking, you will exploit the full benefits of ABS system if you apply maximum pedal pressure: panic stop.

Since the vehicle maintains steering responsiveness, you can avoid possible obstacles with a minimum of steering effort, despite the full brake application.

Pulsation at the brake pedal combined with sounds from the hydraulic circuits indicates to the driver that ABS is in its active mode.

Dynamic Brake Control (DBC)

DBC is included in the DSC, refer to page 91. The system responds to sudden, high-intensity applications of force to the brake pedal by automatically braking the vehicle with maximum boost to achieve the shortest possible braking distances during panic stops. This system also exploits the benefits of ABS. Do not reduce the pressure exerted against the brake pedal until the braking maneuver has been completed. DBC is deactivated when you release the brake pedal.

Cornering Brake Control (CBC)

CBC is an advanced engineering development of ABS. When braking during cornering with high lateral acceleration, or when braking during a lane change, vehicle stability is improved and the steering response is enhanced.

Hardtop*

It is not necessary to remove the fabric top even in the winter, when the hardtop is generally in constant use. But you can also remove it easily at any time. Before the fabric top is stored in the convertible top compartment, it must be absolutely dry in order to avoid water spots and mildew from forming.

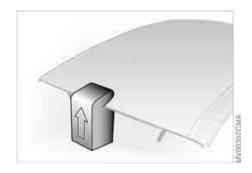
The hardtop offers reading lamps and clothes hooks that can be used just by pressing. It is also possible to mount a luggage rack on the roof. Please consult your BMW center.

When hanging clothing from the hooks, be sure that they will not obstruct the driver's vision. Do not hang heavy objects on the hooks. If you do so, they could cause personal injury during braking or evasive maneuvers.

Two people are required for installation or removal. Work with extreme caution in order to avoid paint damage and damage to the body or hardtop.

To facilitate hardtop installation or removal, you can obtain a specially designed hardtop lift* or hardtop rack* at your BMW center.

128 Hardtop*



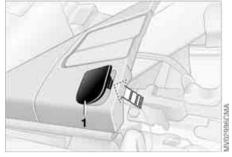
Storage

Storing the hardtop on the floor: slide the styrofoam block that came with the hardtop onto its center. The arrow on top of the styrofoam block has to be pointing upward when you are doing this.

Installation

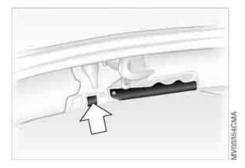
- Lower the side windows completely and flip the sun blinds down. If necessary, remove the antenna rod to avoid any damage
- On vehicles with manual convertible top operation, first release the convertible top compartment lid, and, if necessary, open it somewhat. On vehicles with fully-automatic convertible top operation,

open the convertible top compartment lid slightly by pressing the button for the operation of the convertible top

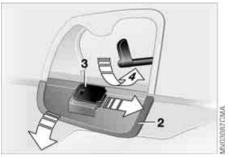


 Press the trim piece 1 on each side of the car upwards and remove. Do so by pulling the tab on trim piece 1 in the direction of travel

Hardtop*



4. Open the two locking levers at the front of the hardtop. Press on the buttons to do so. The levers will release slightly. Open the levers as far as possible



- 5. Before installing, first flip down the cover panels 2 that are located underneath the left and right interior lamps. To do this, press on the slight bump on cover panel 2. There is a holder in the cover panel to securely store the trim pieces that have been removed. Pull the adapter 3 out of the holder, clip the trim piece into the bottom and reinsert the adapter
- 6. Open the red locking levers as far as the stop will allow, see arrow 4

 Position the hardtop onto the support brackets with the help of a second person. Be sure to put the mountings exactly into the proper brackets

Lift the hardtop carefully. Be extremely careful not to shift the seals. Seals that have been shifted out of place or actually pulled out cause leaks.

- 8. In the back, close the red locking levers by turning to the inside as far as the stop located behind the trim will allow. Flip the cover panels back into place
- 9. To lock the hardtop in the front, close the front locking levers until you hear them engage
- Check the seal between the windshield frame and the hardtop on both the left and right sides. If it is folded or bent out of place, you should smooth it back into position by hand to ensure secure and reliable sealing.

Removal

Follow the same procedure as when installing, just reverse the steps.

Data

130 Tire inflation pressure

Information for your safety

It is not merely the tire's service life, but also driving comfort and, above all else, driving safety that depend on the condition of the tires and the maintenance of the specified tire inflation pressure.

Check tire inflation pressures on a regular basis and correct them, if necessary, including the compact wheel: at least twice a month and before beginning a longer trip. If this is not done, incorrect tire pressures can cause driving instability and tire damage, ultimately resulting in accidents. Do not drive with a pressureless, i.e. flat, tire, unless your vehicle is equipped with Run Flat tires. A flat tire greatly impairs steering and braking response, and can lead to complete loss of control over the vehicle.

Checking tire pressures

Only check the tire inflation pressures of cold tires. This means after driving a maximum of 1.25 miles/2 km or after the vehicle has been parked for at least 2 hours. Warm tires have higher inflation pressures.

After correcting the tire inflation pressure, reinitialize the Flat Tire Monitor. refer to page 93.



Inflation pressures for original tires

Tire pressures for the standard tires of your vehicle are shown on the driver's door post, visible when the door is open.

The inflation pressures apply to BMWapproved tire sizes and recommended tire brands. Your BMW center will be glad to supply this information.

Inflation pressures for other tire sizes

The following tire pressure table shows all tire pressures for the given tire sizes at ambient temperature.

Tire inflation pressure

BMW	Tires All pressure specifications in the table are indicated in psi/kilopascal with cold tires – cold = ambient temperature	max	* * * *	*** •	\ 1 +₽ ↓	Overview
325Ci	205/55 R 16 91 H M+S 205/55 R 16 91 H 225/50 R 16 92 W 225/45 R 17 91 W	29/200	33/230	36/250	44/300	ontrols
	225/45 ZR 17 245/40 ZR 17	29/200 -	- 33/230	36/250	_ 44/300	6
	205/50 R 17 93 V M+S extra load 205/50 R 17 93 W extra load 205/55 R 16 91 Q M+S 225/50 R 16 92 Q M+S	32/220	36/250	39/270	46/320	Maintenance
	205/50 R 17 93 Q M+S extra load 225/45 R 17 91 Q M+S					Repairs

Data

132 Tire inflation pressure

BMW	Tires All pressure specifications in the table are indicated in psi/kilopascal with cold tires – cold = ambient temperature	max	* * * 	**/ •	\ ∮ +∅ ↓
330Ci	225/45 R 17 91 W	32/220	36/250	39/270	46/320
	225/45 ZR 17	32/220	_	39/270	_
	245/40 ZR 17	-	36/250	-	46/320
	225/40 ZR 18	32/220	-	39/270	-
	255/35 ZR 18	-	36/250	-	46/320
	205/50 R 17 93 V M+S extra load	32/220	36/250	39/270	46/320
	205/50 R 17 93 W extra load				
	205/50 R 17 93 Q M+S extra load				
	225/45 R 17 91 Q M+S				
All	Space-saver spare tire		61/	420	

Tire code

Knowing the tire code on the tire sidewall makes it easier to correctly choose and identify your tires.

Tire size

E.g. 205/60 R 15 91 W

205 = Nominal width in mm

60 = Cross-sectional ratio in %

R = Radial belt construction

15 = Rim diameter in inches

91 = Load index, not on ZR tires

W = Speed rating, in front of the R on ZR tires

Speed rating

Q = up to 100 mph (160 km/h)

T = up to 118 mph (190 km/h)

H = up to 130 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 comply with the guidelines of the U.S. Department of Transportation.

DOT code: E.g. DOT xxxx xxx 1004 xxxx = Manufacturer's code for tire brand xxx = Tire size and tire version 1004 = Tire age

Tire age

The date on which the tire was manufactured is indicated by the code on the sidewall:

DOT ... 1004 indicates that the tire was manufactured in week 10 of the year 2004.

BMW recommends the replacement of all tires when they are no more than 6 years old, even if a tire life of 10 years is possible.

Uniform Tire Quality Grading

Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width. For example:

Trea dwear 200 Traction AA Temperature A

DOT quality grades Tread wear Traction AA A B C Temperature A B C

All passenger car tires must conform to Federal Safety Requirements in addition to these grades.

Tread wear

The tread wear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course.

For example, a tire graded 150 would wear one and one-half – $1 \frac{1}{2}$ – 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.

133

Data

134 Tire code

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 straightahead 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

Run Flat tires are labeled on the sidewall with a circular symbol containing the letters RSC, refer to page 135.

M+S

Winter and all-season tires. These have better winter driving properties than summer tires.

Tire condition

Wheel/tire damage

Inspect your tires frequently for signs of damage, foreign objects and tread wear, and check tread depth.

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 a flat tire or some other vehicle malfunction. This type of problem can be caused by contact with curbs, etc. This is also true for irregularities in the vehicle's handling characteristics, such as a pronounced tendency to pull to the left or right.

Should this occur, respond by immediately reducing your speed. Proceed carefully to the nearest BMW center or professional tire center, or have the vehicle towed there. Tire damage, up to and including blowouts, can endanger the lives of both the vehicle occupants and other road users.◀

Tire condition



Tire tread

Tread depth should not be allowed to ao below 1/8 in/3 mm. even though European legislation, for example, requires a mimimum tread depth of only 1/16 in/1.6 mm. Below 1/8 in/3 mm tread depth, there is a great risk of hydroplaning, even at relatively moderate speeds and with only small amounts of water on the road.

At tread depths below approx. 3/16 in/4 mm, tire performance under winter driving conditions deteriorates noticeably. Worn tires should therefore be replaced for safety considerations.

Tread wear indicators in the treadgroove base, see arrow, are distributed around the wheel circumference and are labeled on the tire sidewall with

TWI, Tread Wear Indicator, At a tread depth of 1/16 in/1.6 mm. the indicators signal that the legally permissible wear limit has been reached.

Run Flat tires*

the letters RSC.



Run Flat tires are labeled on the sidewall with a circular symbol containing

Run Flat tires consist of self-supporting tires and special rims. The tire reinforcement ensures that driving remains possible to a restricted degree in the event of pressure drop or even if the tire is deflated.

Driving with a damaged tire

Depending on the cargo load, Run Flat tires allow you to continue driving at a maximum speed of 50 mph / 80 km/h.

Control

Maintenance

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Data

136 Run Flat tires*

If there is a total loss of tire inflation pressure, 0 psi/0 kPa, or obvious tire damage, you can determine the distance you may continue driving based on the following values:

▷ With a light load:

1 to 2 persons without luggage: approx. 155 miles/250 km

With a medium load:
 2 persons, luggage compartment full;
 or 4 persons without luggage:
 approx. 90 miles/150 km

 \triangleright With a full load:

4 persons or more, luggage compartment full:

approx. 30 miles/50 km

Drive cautiously. Do not exceed a speed of 50 mph / 80 km/h. Be aware that vehicle handling will be altered when there is a loss in inflation pressure. Anticipate, e.g., reduced tracking during braking, longer braking distances and changed steering characteristics.

For safety reasons, BMW recommends not having damaged Run Flat tires repaired. In this case, consult your BMW center.◀

New wheels and tires

Have new wheels and tires mounted only by a skilled professional. Work that is improperly carried out could result in consequential damage and pose safety hazards.

Ask your BMW center for details concerning the correct wheel and tire combination. Have the wheels balanced each time a wheel or tire has been replaced.

The correct wheel and tire combination also affects different systems such as ABS or DSC. The function of these systems is impaired if improper wheel and tire combinations are used.

BMW advises against using retreaded tires, as driving safety could otherwise be impaired. This is due to the possible variations in casing structures and, in some cases, to their extreme age, which can lead to a decrease in their durability.

The correct wheels and tires

BMW recommends using only wheels and tires that have been tested and approved by BMW for the particular vehicle model, as otherwise body contact and serious accidents can result despite the use of the same nominal size, e.g. due to manufacturing tolerances. BMW cannot evaluate all tires and wheels on the market, and is thus unable to guarantee that the vehicle will continue to perform safely if unapproved tires and/or wheels are mounted.

To maintain good handling and vehicle response, use only tires of a single brand and tread configuration. After a flat tire, have the previous wheel and tire combination restored as soon as possible.

Recommended tire sizes and brands

For each tire size, certain tire brands have been tested, classified as roadsafe and approved by BMW. You can find out about these from a professional

New wheels and tires

tire center, preferably your BMW center. Observe any country-specific regulations, e.g. on making a corresponding entry in the vehicle documents.

The factory-approved radial belt tires are matched to your vehicle and provide optimum safety and driving comfort when used properly.

Run Flat tires

If your vehicle is equipped with Run Flat tires, refer to Run Flat tires, use only these tires since no spare wheel is available in the event of a flat.

Special characteristics of winter tires

BMW recommends the use of winter tires for operation under winter road conditions. While all-season tires with M+S designation provide better winter traction than summer tires, they generally do not achieve the full performance of winter tires.

Run Flat tires:

If your vehicle is equipped with Run Flat tires, refer to Run Flat tires, please note the following: when mounting new tires or replacing summer tires with winter tires, or vice versa, use only Run Flat tires since no spare wheel is available in the event of a flat. Your BMW center wil 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 tires in a cool, dry place. Store them away from light whenever possible. Protect the tires against contact with oil, grease and fuel. Do not exceed the maximum tire inflation pressures specified on the tire sidewall.

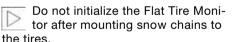
Snow chains*

Only certain snow chains have been tested by BMW and determined and approved as roadworthy. Consult your BMW center for details. BMW recommends using only these approved finelink snow chains. Use them in pairs on either summer or winter tires, but only on both rear wheels.

Comply with all manufacturer's safety precautions when mounting the chains. Do not exceed a speed of 30 mph / 50 km/h when using snow chains.

You cannot mount snow chains with the following tires:

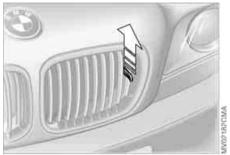
▷ 225/50 R 16
 ▷ 225/45 R 17
 ▷ 245/40 R 17
 ▷ 225/40 R 18
 ▷ 255/35 R 18.

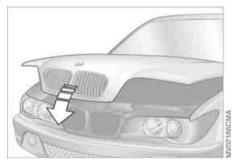


When driving with snow chains, it may be useful to turn off the DSC for a short time, refer to page 92.◀

138 **Hood**







To release

Pull the lever located under the lefthand side of the instrument panel.

Do not attempt to service your vehicle if you do not have the required technical background. If you are not familiar with the regulations to be observed, have your vehicle serviced only by a BMW center or a shop that works according to BMW requirements with the appropriately trained personnel. Work that is improperly carried out could result in consequential damage and pose safety hazards.

To open

Pull the release handle and open the hood.

To close

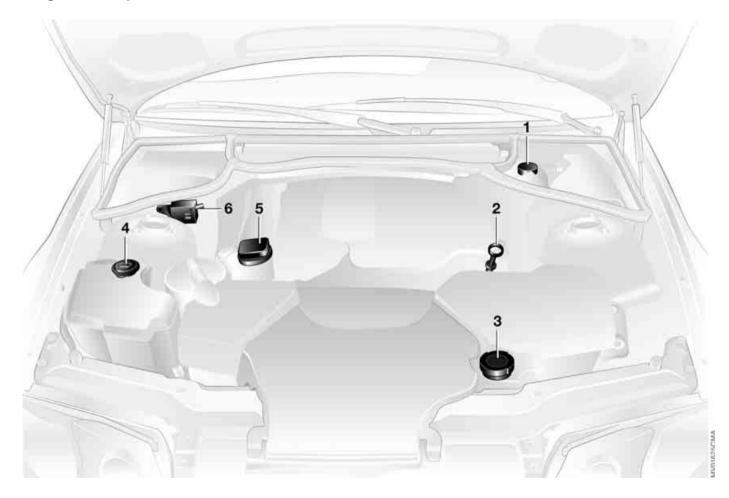
Allow the hood to fall from a height of about 1 ft/30 cm so that it audibly engages.

To avoid injuries, be sure that the travel path of the hood is clear when it is closed, following the same safety precautions used in all closing procedures.

If you notice while driving that the hood is not completely closed, stop immediately and close it securely.◀

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140 Engine compartment essentials



Engine compartment essentials

- 1 Brake fluid reservoir 145
- 2 Engine oil dipstick 142
- 3 Coolant expansion tank 144
- 4 Reservoir for the headlamp and windshield washer system 142
- 5 Engine oil filler neck 143
- 6 Auxiliary terminal for jumpstarting 163

142 Washer fluid

Engine oil



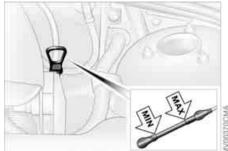
Headlamp* and windshield washer system

Approximate capacity is 5.6 US guarts/5.3 liters.

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

We recommend that you mix the washer fluid before adding it to the reservoir.

Antifreeze agents for the washer fluid are highly flammable. For this reason, keep them away from sources of flame and store them only in closed original containers, inaccessible to children. Comply with the instructions on the containers.



Checking the oil level

- 1. Park the vehicle on a level surface
- 2. Switch the engine off after it has reached normal operating temperature
- 3. After approx. 5 minutes, pull the dipstick out and wipe it off with a clean lint-free cloth, paper towel, or similar material
- 4. Carefully push the dipstick all the way into the guide tube and pull it out again
- 5. The oil level should be between the two marks on the dipstick.

As with fuel economy, oil consumption is directly influenced by your driving style and vehicle operating conditions.

The oil volume between the two marks on the dipstick corresponds to approx. 1.1 US guarts/1 liter. Do not fill beyond the upper mark on the dipstick. Excess oil will damage the engine.

Engine oil



Adding engine oil

Only add engine oil when the oil level has dropped to just above the lower mark on the dipstick.

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 oils, grease and similar materials so that they are inaccessible to children. Comply with warning labels and information on containers.



Comply with the applicable envi-6 ronmental laws regulating the disposal of used oil.

Recommendation: have the oil changed at your BMW center.

Specified engine oils

The quality of the engine oil is extremely important for the operation and service life of an engine. Based on extensive testing, BMW has approved only certain grades of engine oil.

Use only approved BMW High Performance Synthetic Oil.

If an approved BMW High Performance Synthetic Oil should be unavailable, you may use small amounts of other synthetic oils for topping up between oil changes. Use only oils with the specification API SH or higher.

Ask your BMW center for details concerning the specific BMW High Performance Synthetic Oil or synthetic oils that have been approved.

BMW engines are designed to 11 operate without oil additives; the use of additives could even lead to damage in some cases.

You can also call BMW of North America toll-free at 1-800-831-1117 or visit this website: www.bmwusa.com to obtain this information.

Viscosity ratings

Viscosity is the oilflow rating as established in SAE classes

The selection of the correct SAE class depends on the climatic conditions in the area where you drive your BMW.

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Approved oils are in SAE classes 5W-40 and 5W-30.

These kinds of oil may be used for driving in all ambient temperatures.

6

Controls

Maintenance

144 Coolant

Do not add coolant to the cooling system when the engine is hot. If you attempt to do so, escaping coolant can cause burns.

Coolant consists of water as well as an additive such as antifreeze with corrosion inhibitor. Not all commercially available additives are suitable for your BMW. Your BMW center knows which additives are appropriate.

Only use approved additives, as the engine could otherwise be damaged. The additives are hazardous to your health; therefore, follow the instructions on the containers. <

Comply with the applicable environmental laws regulating the disposal of antifreeze with corrosion inhibitor.



Checking the coolant level and adding coolant

Check the coolant level when the engine is cold, approx. 68 °F/+20 °C.

- 1. Open the cap for the expansion tank by turning it slightly counterclockwise to allow accumulated pressure to escape, then open
- 2. The coolant level is correct when the upper end of the red float rod – see arrow – is at least even with the upper edge of the filler neck, is at least even with the upper edge of the filler neck; see arrow. The end of the float may stick out by a maximum of 3/4 in / 2 cm – that is, up to the second mark on the float

 If necessary, add coolant. If the coolant is low, slowly add coolant until the correct level is reached – do not overfill.

Brake fluid



Indicator lamp

The warning lamp comes on BRAKE even though the parking brake is released:

The brake fluid level in the reservoir is too low, refer to page 18. At the same time, there may be significantly greater pedal travel. Have the system checked immediately.



Warning lamp for Canadian models.



If you continue driving, extended pedal travel may be necessary and braking distances may be significantly longer. Be sure to adapt your driving style accordingly.◀

Adding brake fluid

For adding brake fluid or for determining and correcting the cause of brake fluid loss, consult your BMW center. Your BMW center is familiar with the specifications for factory-approved brake fluids – DOT 4

Brake fluid loss results in extended pedal travel.

Brake fluid is hygroscopic, that is, A it absorbs moisture from the air over time

In order to ensure the brake system's safety and reliability, have the brake fluid changed every two years by a BMW center. Refer also to page 86 and to the Service and Warranty Information Booklet for US models or the Warranty and Service Guide Booklet for Canadian models.

Brake fluid is toxic and damages the vehicle's paint. You should always store it in its closed original container and in a location which is out of reach of children.

Do not spill the brake fluid and do not fill the brake fluid reservoir beyond the MAX mark. The brake fluid could ignite upon contact with hot engine parts and cause serious burns.

Comply with the applicable environmental laws regulating the disposal of brake fluid.

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146 BMW Maintenance System

The BMW Maintenance System helps maintain your vehicle's road safety and operational safety. Comfort-related aspects, such as the timely change of filters for the air inside the vehicle, are taken into consideration. The goal is to optimize maintenance with respect to low total cost of ownership.

If you should sell your BMW one day, consistent service and maintenance will prove to your advantage.



Service interval display

The service interval display shows you when an oil service, an inspection – always alternating between I and II – or a brake fluid change is due. The special feature is that the service intervals are calculated according to your BMW's individual driving conditions instead of from fixed mileage increments.

The technology developed for this takes your personal driving style into account, as well as your BMW's driving conditions. After all, short-distance driving, i.e. frequent cold starts, or driving off at high engine speeds, affects your BMW differently from long-distance driving with the engine at consistent operating temperature.

Special feature regarding engine oil change

The calculation of the service intervals covers practically every kind of operating situation. If you drive very rarely, however, you should have the oil changed at least every two years, since engine oil deteriorates over time regardless of use.

Service and Warranty Information Booklet for US models/Warranty and Service Guide Booklet for Canadian models

For additional information on required maintenance intervals and procedures, please refer to the Service and Warranty Information Booklet for US models, or the Warranty and Service Guide Booklet for Canadian models.

As a precaution against corrosion, if your vehicle is exposed to potential damage from unimproved road surfaces we suggest that you have the body checked for damage from stone chips and gravel at the same time.

BMW Maintenance System

Have your BMW center perform maintenance and repair. Be sure that all maintenance work is recorded in the Service and Warranty Information Booklet for US models, or in the Warranty and Service Guide Booklet for Canadian models. These entries confirm that your vehicle has benefitted from regular maintenance, and are also required for warranty claims.

Care

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

148 California laws

Proposition 65 warning

California laws require us to state 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.

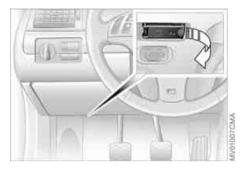
Battery posts, terminals and related accessories contain lead and lead compounds. Wash your hands after handling.

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 interface socket



The interface socket for onboard diagnostics is located on the left-hand side of the driver's side, behind a specially marked cover located beneath the instrument panel. The cover has the letters OBD on it.

This interface makes it possible to access data on emissions-related components using special equipment.

SERVICE SOON

An illuminated indicator informs ENGINE you of the need for service, not that you need to stop the vehi-

cle. However, the systems should be checked by your BMW center at the next opportunity.

If the indicator blinks or flashes, this indicates a high level of engine misfire. Reduce speed and contact the nearest BMW center immediately. Severe

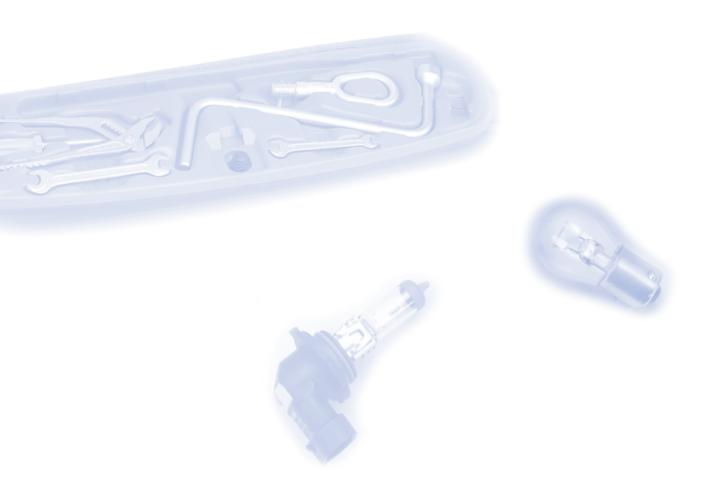
OBD interface socket

engine misfiring for even a short period of time can seriously damage emission control system components, especially the catalytic converter.



SERVICE ENGINE SOON warning lamp for Canadian models.

If the gas cap is not on tight enough, the OBD system can detect leaking vapor and the indicator will light up. If the gas cap is then tightened, the indicator will usually go out after a short period of time.◄





Operation, maintenance

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152 Onboard tool kit

Windshield wiper blades



The onboard tool kit is located in the luggage compartment lid.

Loosen the wing nut to open.

- 1. Switch off the engine
- 2. Fold the wiper arm completely out from the windshield

- 3. Position the wiper blade at an angle and pull the release spring – see arrow
- 4. Fold the wiper blade down and unhook it toward the windshield
- 5. Pull the wiper blade past the wiper arm toward the top
- 6. Insert a new wiper blade and apply pressure until you hear it engage.

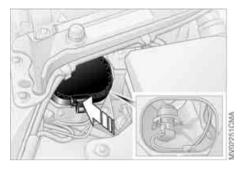
The lamps and bulbs make essential contributions to the safety of your vehicle. Therefore, proceed carefully when handling bulbs. BMW recommends that you have such work performed by your BMW center if you are not familiar with the procedures.

Do not touch the glass portion of a new bulb with your bare hands since even small amounts of impurities burn in to the surface and reduce the service life of the bulb. Use a clean cloth, paper napkin, or a similar material, or hold the bulb by its metallic base.

A replacement bulb set is available from your BMW center.

Before working on the electrical system, switch off the electrical accessory you are working on or disconnect the cable from the negative terminal of the battery. Failure to observe this precaution could result in short circuits.

To prevent injuries and damage, comply with any instructions provided by the bulb manufacturer.◄



Low beams

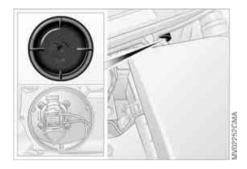
H7 bulb, 55 watts Engine compartment, left side:

The H7 bulb is pressurized. Therefore, wear safety glasses and protective gloves. Failure to comply with this precaution could lead to injury if the bulb is damaged.

- 1. Remove the cover of the headlamp by pressing the tab and lifting the cover off
- 2. Pull off the plug
- 3. Release the retaining wire
- 4. Remove and replace the bulb.

When cleaning the headlamps, please follow the instructions in the Caring for your vehicle brochure.

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High beams

H7 bulb, 55 watts

Engine compartment, left side:

The H7 bulb is pressurized. Therefore, wear safety glasses and protective gloves. Failure to comply with this precaution could lead to injury if the bulb is damaged.

- 1. Turn the cover to the left and remove
- 2. Pull off the plug
- 3. Release the retaining wire
- 4. Remove and replace the bulb.

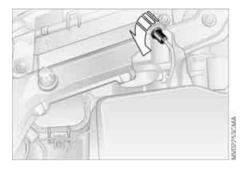
Note the letters TOP when putting the cover in place.◀

When cleaning the headlamps, please follow the instructions in the Caring for your vehicle brochure.

Xenon lamps*

The service life of these bulbs is very long and the probability of a failure is very low, provided that they are not switched on and off an unusual number of times. If one of these bulbs should nevertheless fail, it is possible to continue driving with great caution using the fog lamps, provided local traffic laws do not prohibit this.

Because of the extremely high voltages involved, any work on the xenon lighting system, including bulbchanging, should be carried out by technically qualified personnel only. Otherwise, there is a risk of fatal injury.



Parking lamps

5 watt bulb

Engine compartment, left side:

- 1. Turn the bulb holder to the left and remove
- 2. Pull the bulb off and replace it.

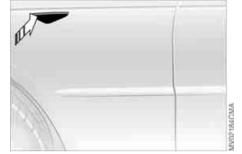


Front turn signal indicators

21 watt bulb

- 1. Turn the bulb holder with the plug to the left and remove
- 2. Pull the bulb off and replace it.

When replacing the bulb on the right, loosen and lift the reservoir for the headlamp and windshield washer system if necessary.



Side turn signal indicators

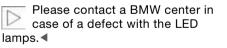
- 1. Press the front edge of the lamp toward the back with the tip of your finger and remove
- 2. Pull off the plug and replace the entire lamp.

The side turn signal indicator is designed using LED technology. If faulty, the entire side turn signal indicator must be replaced.◀



Rear lamps

- 1 Turn signal indicator LEDs
- 2 Backup lamp 21 watt bulb
- 3 Tail lamp/brake lamp LEDs



Controls







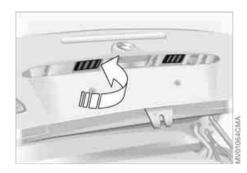
Bulbs in the luggage compartment lid: 1. Using a screwdriver, loosen the clip

- Swing trim panel down see arrow 1. Unlock bulb holder – see arrow 2 – and remove
- 3. Applying light pressure, turn the bulb to the left. Remove and exchange the bulb
- 4. Press the bulb holder into place continuing until you hear it engage
- 5. Reinstall the trim panel with the clip.

Center high-mount brake lamp

LED strip on the rear window.

Please contact your BMW center in case of a malfunction.



Do not remove the protective lens, and avoid staring directly at the unfiltered beam for several hours, as inflammation of the retina could result.

License plate lamps

5 watt bulb

- 1. Place a screwdriver in the slot and press toward the left to release the lens
- 2. Replace the bulb.

Light-emitting diodes

Light-emitting diodes (LEDs) installed behind translucent lenses serve as the light sources for many of the controls and displays in your vehicle. These light-emitting diodes are related to conventional lasers, and legislation defines them as light-emitting diodes, Class 1.

Changing a wheel

Safety precautions in the event of a flat tire or wheel change: Stop the vehicle as far as possible from passing traffic. Park on a firm, flat, surface. Switch on the hazard warning flashers. Turn the steering wheel to the straight-ahead position and engage the steering lock. Shift into 1st or Reverse, or if you have an automatic transmission position the selector lever in Park, and engage the parking brake.

All passengers should be outside the vehicle and well away from your immediate working area – behind a guardrail, for example.

If a warning triangle or portable hazard warning lamp is available, 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. Avoid jacking the vehicle on a soft or slippery support surface – snow, ice, loose gravel, etc. – as either the vehicle or the jack could slip sideways.

Position the jack on a firm support surface.

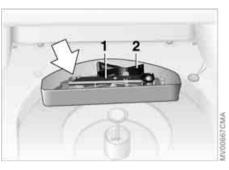
Do not place wooden blocks or similar objects under the jack. They could prevent the jack from extending to its full

158 Changing a wheel

height and reduce its support capacity. Do not lie under the vehicle or start the engine when the vehicle is supported by the jack. There is otherwise a risk of fatal injury.◀

Your BMW is equipped with a spacesaver spare tire designed for temporary use in maintaining the vehicle's mobility in an emergency.

To remove the space-saver spare tire, lift the floor panel in the luggage compartment completely out, refer to page 35.



What you will need

In order to avoid rattling noises later, note the position of the tools when you remove them and return them to their original position when you are through using them.

▷ Jack 1

Raise the floor panel in the luggage compartment, refer to page 35, and undo the jack.

When you have completed work, fold the handle back and insert it in its holder

 \triangleright Chock 2

Located behind the jack on the wall in the luggage compartment. Loosen the wingnut to remove it



- Space-saver spare tire next to jack Loosen the wing nut by hand, remove the storage shelf and take the wheel
- Lug wrench in the onboard tool kit on the underside of the luggage compartment lid, refer to page 152.

Procedure

out

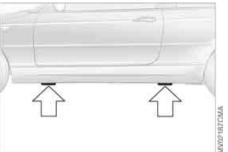
- 1. Read and comply with the safety precautions provided on the previous page
- 2. Secure the vehicle to prevent it from rolling:

Place the chock against the rear surface of the front tire on the side opposite the side being raised. If the vehicle is parked on a downward slope, place the chock securely in front of the tire. If the

Changing a wheel

wheel must be changed on a surface with a more severe slope, take additional precautions to secure the vehicle from rolling

- Wheels with full wheel covers*: reach into the ventilation openings and pull the cover off
- 4. If your vehicle is equipped with Individual light-alloy wheels*: insert the wheel puller supplied with the vehicle into the designated recess of the cover, and pull the cover off
- 5. Loosen the lug bolts by rotating half a turn

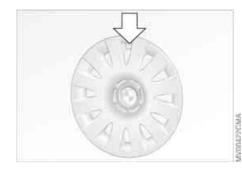


- 6. Position the jack at the jacking point closest to the flat tire with the jack base vertically below the jacking point. The entire surface of the head of the jack moves into the square recess of the jacking point – refer to the detail in the next illustration – when the jack is cranked
- Continue raising the vehicle up until the wheel you are changing is raised from the ground
- 8. Unscrew the lug bolts and remove the wheel



- Remove accumulations of mud and dirt from the mounting surfaces of the wheel and hub. Clean the lug bolts
- Position the new wheel or the space-saver spare tire on the hub and screw at least two lug bolts finger-tight into opposite bolt holes
- 11. Screw in the remaining lug bolts. Screw in all the bolts in a diagonal pattern
- 12. Lower the jack and remove it from beneath the vehicle
- 13. Tighten the lug bolts securely in a diagonal pattern

160 Changing a wheel



- 14. Wheels with full wheel covers*: place the wheel cover with the valve opening over the valve. Use both hands to press the cover securely onto the rim
- 15. Check and correct the tire inflation pressure at the earliest opportunity. Vehicles with Flat Tire Monitor: After mounting the spare tire or correcting the tire inflation pressure, reinitialize the system, refer to page 93.

Protect valve stems and valves from dirt using screw-on valve stem caps. Dirty valve stems frequently lead to slow pressure loss.

Do not place the full wheel cover on the space-saver spare tire, since this could damage the cover. The vehicle jack is designed for changing wheels only. Do not attempt to raise another vehicle model with it or to raise any other type of load. To do so could cause accidents and personal injury.

To ensure continued safety, have the tightness of the torque bolts checked with a calibrated lug wrench – torque specification: 88.5 lb ft/120 Nm – at the earliest opportunity.◀

When storing a wheel in the spare tire recess, take care to avoid bending the threaded rod.

If light-alloy wheels other than original BMW light-alloy wheels have been mounted, it may be necessary to use different lug bolts for those wheels.

Replace the defective tire as soon as possible and have the new wheel/tire balanced.

Driving with the space-saver spare tire

Drive cautiously. Do not exceed a speed of 45 mph / 80 km/h.

Be aware that vehicle handling may be altered. Anticipate, e.g., reduced tracking during braking, longer braking distances and changed steering characteristics when approaching limit conditions. These handling characteristics will be even more pronounced if winter tires are mounted.

Only one space-saver spare tire may be mounted at one time. Mount a wheel and tire of the original size at the earliest possible opportunity.

Battery

Maintenance

The battery is completely maintenancefree. This means that the original battery acid will normally last for the service life of the battery under moderate climate conditions. Your BMW center will be glad to advise you if you have any questions concerning the battery.

Please consult your BMW center whenever you have any questions concerning the battery.

Charging the battery

When charging the battery in the vehicle, leave the engine off at all times. Connect the charge cables to the terminals in the engine compartment. For terminal locations, refer to Jump-starting on page 163.

Disposal

After changing the battery, have the old battery disposed of by your BMW center or bring it to a recycling point. Maintain the battery in an upright position for transport and storage. Secure the battery against tilting during transport.

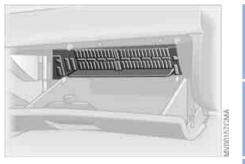
Power loss

After a temporary power loss, e.g. due to a discharged battery, some equipment will be limited in its use and will have to be reinitialized. Individual settings are also lost and must be reset:

- Seat and mirror memory The position settings must be stored again, refer to page 55
- \triangleright Clock
 - must be reset, refer to page 87
- \triangleright Radio

Stations must be reset, refer to the Owner's Manual for Radio/Onboard Computer

- ▷ Navigation system
 - The system will not be operable immediately, refer to the Owner's Manual for Radio/Onboard Computer.



You will find the fuses and information on their respective allocation in the glove compartment behind a panel with two snap clips.

Do not attempt to repair a blown fuse or replace it with a fuse having a different color or amperage rating. To do this could cause a fire in the vehicle resulting from a circuit overload.

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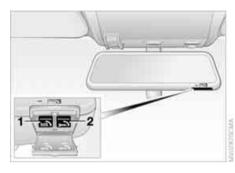
162 **Receiving assistance**

The BMW Group's Mobile Service offers you 24-hour assistance in the event of a breakdown, even on weekends and holidays.

The telephone numbers of the Mobile Service control center in your country are listed in the BMW Dealer Directory.

If your vehicle has the necessary equipment, you can contact the Mobile Service or issue an emergency call using buttons in the interior rearview mirror.

When an emergency call is initiated, a telephone connection is established with the BMW Assist response center.



Fold down the cover.

1 Emergency call

2 Mobile Service

Requirements for initiating an emergency call or contacting Mobile Service:

- ▷ Ignition key in position 1 or higher
- ▷ The car phone must be registered with a mobile network
- ▷ The emergency call system must be operational.

Initiating an emergency call*

Press button 1 for at least 2 seconds.

The indicator lamp above the buttons lights up. As soon as a telephone connection has been set up to the BMW Assist response center, the indicator lamp flashes. If the situation permits you to do so, wait in the vehicle until the voice connection is established. You can then provide detailed information to the response center.

If your vehicle is equipped with an activated BMW Assist and the current location of the vehicle can be determined, this location is transmitted to the BMW Assist response center.

If the navigation system has failed, the current location of the vehicle is not transmitted.

If the indicator lamp is flashing but you cannot hear the BMW Assist response center over the hands-free system, it is possible that e.g. the hands-free system is malfunctioning. The BMW Assist response center can still hear you, however.

If certain requirements are met, an emergency call is automatically initiated after a serious accident. The automatic emergency call will not be hindered by pressing the button.

For technical reasons, the emergency call function cannot be guaranteed in certain unfavorable conditions.

Receiving assistance

Mobile Service*

To establish contact with the BMW Group's Mobile Service:

Press button 2 for at least 2 seconds.

The indicator lamp above the buttons lights up. As soon as a telephone connection has been set up with the Mobile Service, the indicator lamp flashes.

Depending on the country you are in, your vehicle's current location will also be transmitted if your vehicle is equipped with an activated BMW Assist function.

Jump-starting

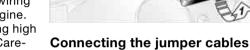
When your battery is discharged you can use two jumper cables to start your vehicle with power from the battery in a second vehicle. You can also use the same method to help start another vehicle. Only use jumper cables with fully insulated handles on the terminal clamps.

Do not touch high-voltage wiring and cables on a running engine. Contact with components carrying high voltage can be harmful or fatal. Carefully observe the following instructions to avoid personal injury and/or damage to one or both vehicles.

Preparations

- Check whether the battery of the support vehicle has 12 volts and approximately the same capacity – measured in Ah. This information is provided on the battery
- 2. Stop the engine of the support vehicle
- 3. Switch off all electrical components in both vehicles.

Make absolutely certain that there is no contact between the bodywork of the two vehicles, otherwise there is a short circuit hazard.



Always adhere to this sequence when connecting jumper cables; failure to observe this procedure can lead to sparks at the battery terminals and pose an injury hazard.

The auxiliary jump-starting terminal located in your BMW's engine compartment acts as the positive battery terminal. Refer to the engine compartment overview on page, 140. The cover of this auxiliary terminal is marked with a +.

1. Open the cover of the BMW auxiliary jump-starting terminal. Do so by pulling the tab – see arrow 1

Data

164 Jump-starting

- 2. Connect one terminal clamp of the plus/+ jumper cable to the positive terminal of the battery or to an auxiliary jump-starting terminal of the support vehicle
- Connect the second terminal clamp of the plus/+ jumper cable to the positive terminal of the battery or to an auxiliary jump-starting terminal of the vehicle to be started
- 4. Your BMW is equipped with a special nut – see arrow 2 – to serve as the ground or negatvie terminal. Attach a terminal clamp of the minus/– jumper cable to the negative terminal of the support vehicle's battery or to a suitable ground on its engine or bodywork
- Attach the second terminal clamp of the minus/- jumper cable to the negative terminal of the battery or to a suitable ground on the engine or bodywork of the vehicle to be started.

Starting the engine

1. Start the engine of the support vehicle and let it run for several minutes at a slightly elevated engine idle speed 2. Start the engine of the other vehicle as usual.

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. Allow the engines to run for several minutes
- 4. Disconnect the jumper cables in reverse sequence.

Depending on the cause of the fault, have the battery checked and recharged by your BMW center.

\triangleright	Do not use spray starter fluids to
	start the engine.◄

Towing and tow-starting the vehicle



Always comply with all applicable towing laws and regulations.

Using the towing evelet

The screw-in towing eyelet is located in the luggage compartment under the floor panel: be sure that it remains with the vehicle at all times. It can be attached at the front or rear of your BMW.

Observe the following instructions in order to avoid damaging the towing eyelet or the vehicle: use only the towing eyelet supplied with the vehicle, and screw it in firmly until it stops. Use the towing eyelet for towing on paved roads only. Avoid subjecting the towing eyelet to lateral loads, e.g. do not lift the vehicle using the towing evelet.



Access to the threaded socket

Press out the cover in the front or rear bumper with a screwdriver at the top of the recess.

Being towed

Make sure that the ignition key is in position 1, because the steering lock could otherwise engage and the vehicle could no longer be steered. There is no power assist while the engine is off. Therefore, you will need to exert more force to brake and steer the vehicle.

Turn on the hazard warning flashers, if required by national regulations. If the electrical system has failed, clearly identify the vehicle being towed, e.g. by placing a sign or a warning triangle in the rear window.

Vehicles with manual transmission: gearshift lever in idling position.

Vehicles with automatic transmission: selector lever in position N.

Do not exceed a towing speed of 45 mph / 70 km/h, nor a towing distance of 90 miles/150 km. because the automatic transmission could otherwise be damaged.

Vehicles with sequential manual gearbox SMG: selector lever in position N.

Towing methods

In some countries, it is not permitted to tow the vehicle with a tow bar or tow rope on public roads.

Familiarize yourself with the applicable towing regulations for the country in which you are driving.

166 Towing and tow-starting the vehicle

With a tow bar

The towing vehicle must not be lighter than the vehicle being towed; otherwise, vehicle handling can no longer be controlled.

The towing eyelets of both vehicles should be on the same side.

If the tow bar can only be used in a diagonal position, please note the following:

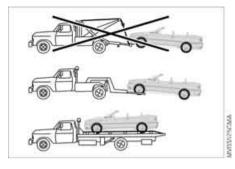
- Clearance is restricted while you are driving around corners
- ▷ The inclination of the tow bar produces lateral force.

Only attach the tow bar to the towing eyelets. Other parts of the vehicles could otherwise be damaged.

With a tow rope

When the towing vehicle is driving off, make sure that the tow rope is taut.

Use nylon ropes or straps for towing because they prevent sudden jerking movements. Attach the tow rope only to the towing eyelets. Other parts of the vehicles could otherwise be damaged.



With a tow truck

Have the BMW transported by a tow truck with a lift sling, or on a flatbed.



Never allow passengers to ride in a towed vehicle for any reason.

Do not lift the vehicle by the towing eyelet, nor by parts of the body or chassis. Otherwise damage could result.

Tow-starting

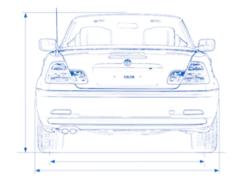
Do not tow-start vehicles with automatic transmissions. Jumpstarting, refer to page 163.◀ Only tow-start vehicles with catalytic converters if the engine is cold. It is better to have the engine jump-started, refer to page 163.

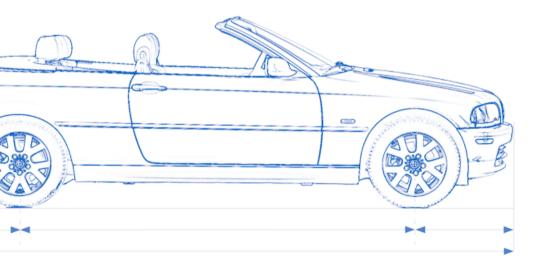
- 1. Turn on hazard warning flashers; comply with national regulations
- 2. Turn the ignition key to position 2
- 3. Engage the 3rd gear
- 4. Have the vehicle towed with the clutch pedal completely depressed and then slowly release the clutch pedal. After the engine has started, immediately depress the clutch pedal again completely
- 5. Pull over at a suitable location, remove the tow bar or tow rope, and turn on the hazard warning flashers
- 6. Have the vehicle checked.

Vehicles with sequential manual gearbox SMG:

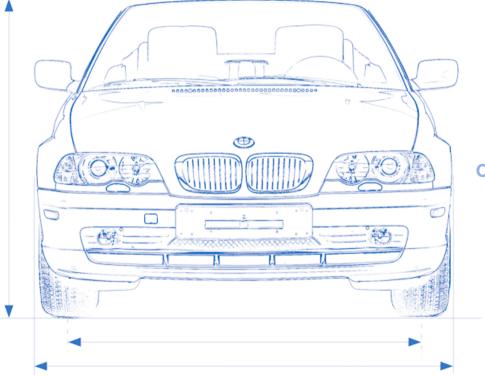
- ▷ Have the vehicle towed with the selector lever in position N
- Select sequential mode. The correct gear will automatically be selected and engaged.

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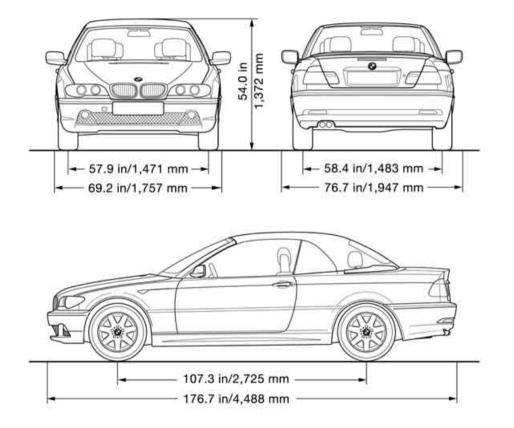
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170 Engine data

		325Ci	330Ci	
Displacement Number of cylinders	cu in/cm3	152.2/2,494 6	181.8/2,979 6	
Maximum power output at engine speed	hp rpm	184 6,000	225 5,900	
Maximum torque at engine speed	lb ft/Nm rpm	175/237 3,500	214/290 3,500	

Dimensions



Minimum turning circle dia.: 34.4 feet/10.5 m.

171

MVD229511FA

172 Weights

		325Ci	330Ci
Curb weight			
with manual transmission/SMG with automatic transmission	lbs/kg lbs/kg	3,560/1,615 3,627/1,645	3,616/1,640 3,704/1,675
Approved gross vehicle weight with manual transmission/SMG with automatic transmission	lbs/kg lbs/kg	4,442/2,015 4,509/2,045	4,497/2,040 4,575/2,075
Approved front axle load	lbs/kg	2,083/945	2,094/950
Approved rear axle load	lbs/kg	2,546/1,155	2,579/1,170
Approved maximum roof load for the hardtop	lbs/kg	165/75	165/75
Luggage compartment capacity with the convertible top compartment raised	cu ft/l cu ft/l	9.2/260 10.6/300	9.2/260 10.6/300

Approved axle loads and approved gross vehicle weight must never be exceeded.

Capacities

			Notes
Fuel tank Reserve	gal./liters gal./liters	approx. 16.6/63 approx. 2.1/8	Fuel specification, refer to page 24
Windshield/ Headlamp washer reservoir	quarts/liters	approx. 5.6/5.3	Specifications, refer to page 142
Engine oil and filter change	quarts/liters	approx. 6.9/6.5	BMW High Performance Synthetic Oil Specifications, refer to page 142







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Refueling



To ensure that you always have convenient access to all essential information when you stop for fuel, we recommend that you fill out the adjoining chart by entering the data that apply to your vehicle. Consult the index for individual specifications.

Fuel

Designation

Please enter your preferred fuel here.

Engine oil

Quality

The oil volume between the two marks on the dipstick corresponds to approx. 1.1 US quarts/1 liter.

Tire inflation pressure

	Summer tires		Winter tires	
	Front	Rear	Front	Rear
Up to 2 persons				
4 persons plus luggage				

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