



BMW recommends 

**X5 3.0i**  
**X5 4.4i**  
**X5 4.6is**

ations, and thank you for choosing a BMW.

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

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

Additional information refer to the supplemental manuals.

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

The manual is supplemented by a Service and Warranty Information Booklet (US models) or a Warranty and Service Guide Booklet (Canadian models).

We recommend that you read this publication thoroughly.

Your vehicle is covered by the following warranties:

Vehicle Limited Warranty

Rust Perforation Warranty

Emissions System Defect Warranty

Emissions Performance Warranty

Gas Emission Control System Limited Warranty

Information about these warranties is listed in the Service and Warranty Information Booklet (US models) or in the Warranty and Service Guide Booklet (Canadian models).

Enjoy an enjoyable driving experience.

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## Is used


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


Contains information that will assist you in gaining the optimum performance from your vehicle and enable you to drive more effectively for your own benefit. ◀

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

Indicates the end of a specific item of information.

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

 Identifies index entries that refer to owner service procedures or topics on vehicle maintenance.

 Identifies systems or components, which can either be activated or adapted to suit an individual driver's requirements ("Vehicle Memory", "Key Memory"), refer to page 61. Remember that activation and adjustments on some of these systems can only be performed at your BMW Sports Activity Vehicle center. ◀



### **The individual vehicle**

On buying 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. Any differences can easily be identified, since all optional accessories and special equipment are marked with an asterisk \*.

If your BMW features equipment which is not described in this Owner's Manual (car radio or telephone, for instance), 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 that is conceived to ensure that our vehicles continue to embody the highest quality and safety standards combined with advanced, state-of-the-art technology. For this reason, it is possible that the features described in this Owner's Manual could differ from those on your vehicle. Nor can errors and omissions be entirely ruled out. You are therefore asked to appreciate that no legal claims can be entertained on the basis of the data, illustrations or descriptions in this manual.

Important safety information.

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

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

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

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

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

BMW Parts, BMW Accessories and other products approved by BMW, along with professional advice on their use, are available from all BMW Sports Activity Vehicle 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 transmitter equipment (for instance, CBs, walkie-talkie, ham radio or similar accessories) may cause extensive damage to the vehicle, compromise its safety, interfere with the vehicle's electrical system or affect the validity of the BMW Limited Warranty. Contact your BMW Sports Activity Vehicle center for additional information. ◀



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

### Symbol on vehicle parts



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

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

## **REPORTING SAFETY DEFECTS**

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 (201) 307-4000.

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

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



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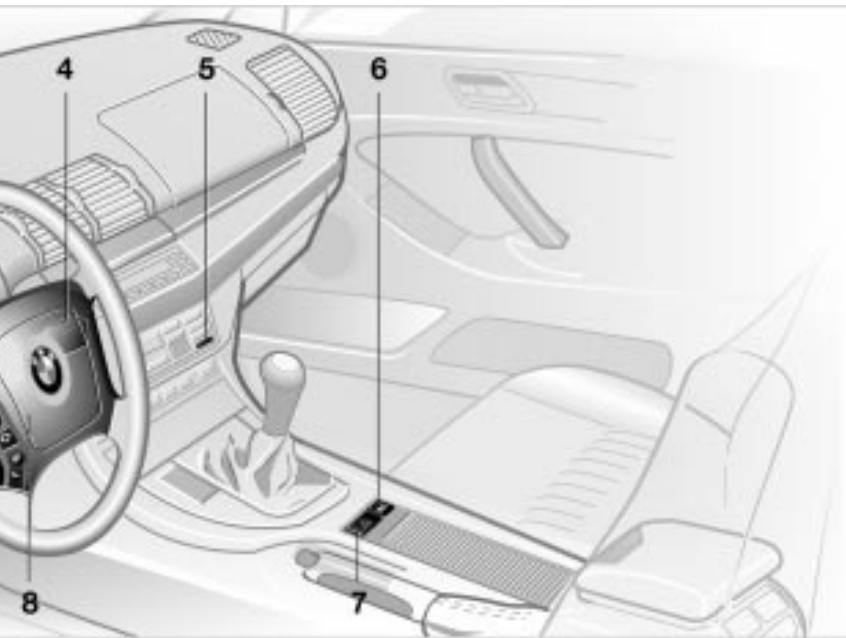
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## Stop immediately

**Battery charge current** ●  
The battery is no longer being recharged. There is a malfunction in the alternator drive belt or in the electrical circuit of the alternator. Please contact the nearest BMW Sports Activity Vehicle center.

The drive belt is defective, do not continue driving. The engine could be damaged due to overheating. If the belt is defective, increased engine effort is also required. ◀

**Engine oil pressure** ●  
Stop the vehicle immediately and switch off the engine. Check the engine oil level; top off as needed. If the oil level is correct, contact the nearest BMW Sports Activity Vehicle center.

Do not continue driving. The engine could be damaged due to inadequate lubrication. ◀



Parking brake\* /  
**Brake hydraulic system** ●  
Comes on when you engage the parking brake. For additional information: refer to page 64.

Comes on although the parking brake is released: have the brake fluid level checked. Before continuing your journey, be sure to read the notes on pages 135 and 146.

Also comes on in the Check Control with the message "CHECK BRAKE LININGS".



Parking brake warning lamp\* /  
**Brake hydraulic system warning lamp** for Canadian models.



**Tire Pressure Monitor (RDC)\*** ●  
In addition, an acoustic signal is sounded: a flat tire has

occurred. Reduce vehicle speed immediately and stop the vehicle. Avoid hard brake applications. As you steer the vehicle, use caution and avoid overcorrecting.

For additional information: refer to page 98

**an important reminder**

**Parking brake\***  
Comes on when the parking brake is engaged.


Additional information: refer to [64](#).

**Parking brake warning lamp\*** for Canadian models.

**Please fasten safety belts ●**  
Together with an acoustic signal or a message\* in the Check Control. Comes on until the safety belts are fastened. For additional information on safety belts: refer to page [49](#).


**Airbags ●**  
Please have the system inspected by your BMW Sports Activity Vehicle center.  
Additional information: refer to [55](#).


**Yellow: check as soon as possible**

 **Antilock Brake System (ABS) ●**  
ABS has been deactivated in response to system malfunction.


Conventional braking performance remains available with no loss of efficiency. Please have the system inspected by your BMW Sports Activity Vehicle center.

For additional information: refer to page [134](#)

 **ABS warning lamp for Canadian models.**

 **Engine oil level**  
Comes on while driving:  
The oil level is at the absolute minimum; refill as soon as possible. Do not drive more than approx. 30 miles (50 km) until you do.

For additional information: refer to page [143](#).

 **Engine oil level**  
Comes on after the engine has been switched off: add engine oil at your earliest opportunity (when you stop to refuel).

For additional information: refer to page [143](#).

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Dynamic Stability Control (DSC) ●

Indicator lamp flashes:

System is active and governs drive steering force.

Warning lamp comes on and stays on while driving:

System has been switched off with the ignition. If, after repeatedly pressing the ignition button, the warning lamp still does not turn off, then that means that the ABS, DSC and the vehicle's road-holding capability are defective.

Have the system checked by the BMW Sports Activity Vehicle

Additional information: refer to pages 2 and 94.

Engine electronics\*

If there is a fault in the engine's electronic control system. You may continue to drive with reduced engine output or engine speed. Please have the system inspected by your BMW Sports Activity Vehicle center.

Tire Pressure Monitor (RDC)\* ●

Check tire inflation pressures, refer to pages 26, 98



Service Engine Soon ●

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

For additional information: refer to page 149.



Service Engine Soon warning lamp for Canadian models.



Check Filler Cap\* ●

If the indicator lamp comes on although the fuel cap is secured correctly; this indicates a malfunction in the fuel system. Have the system inspected by your BMW Sports Activity Vehicle center at the earliest opportunity.

Additional information: refer to page 25

**for your information**

High beams  
Lights up when the high beams  
are on or the headlamp flasher  
activated.

Additional information: refer to  
[68](#) and [101](#).

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## n buttons



between phone and radio,  
e and CD.



:

briefly: scans for stations in FM

ded pressure: search function

briefly: jump to next track  
ded pressure: fast forward in

ette  
briefly: stop track scan or fast  
rd

ded pressure: fast forward

e  
personal phone book.



functions as for fast forward.



Volume



Cruise control: calling up.



Cruise control: store and accelerate (+);  
decelerate and store (-).



Cruise control: activate/interrupt/deac-  
tivate.



Recirculated-air mode and automatic  
recirculated-air control (AUC) or heated  
steering wheel: switch on/off.

## First-aid kit\*



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

When: pull the handle and fold the cover down.

Use: fold the cover up.

Some of the articles in the first-aid kit may be used within a limited time only. For this reason, check the expiration dates of each of the items regularly, and replace any whose expiration dates have passed. You can get replacements in any drugstore or pharmacy.

Always observe all legal regulations regarding a first-aid kit to be carried in a vehicle. ◀

When handling fuels, comply with all of the applicable safety precautions and regulations pertaining to fuels. Never carry spare fuel containers in your vehicle. Whether empty or full, fuel containers can leak, cause an accident, or lead to fire in the event of a crash. ◀



### Simple and environmentally friendly



Open the filler cap carefully to prevent fuel from spraying out. Fuel spray may cause injury. Do not top off. Topping off may cause fuel spillage. ◀

Keep the filler cap in the bracket attached to the fuel filler door.

When refueling, insert the filler nozzle completely into the filler pipe. Pulling the nozzle out of the pipe during refueling

- ▷ results in premature pump shutoff
- ▷ and will reduce the effect of the vapor recovery system on the pump.



## Specifications

Engine uses lead-free gasoline

Recommended fuel:  
Premium Unleaded Gasoline,  
91 AKI.

Anti Knock Index

Do not use leaded fuels. The use  
of leaded fuels will cause perma-  
nent damage to the system's oxygen  
sensor and the catalytic converter. ◀

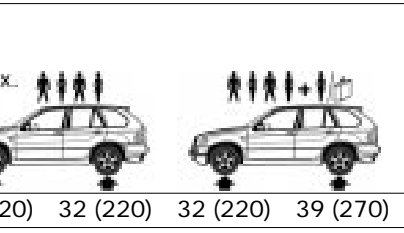
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Check tire inflation pressures regularly – at least every two weeks and before beginning a longer trip. Incorrect tire pressure can contribute to tire damage and accidents. Check the tire inflation pressure of the spare tire. Inflate the spare tire to the same inflation of any tire on your vehicle.

### **Comply with tire approval specifications**

The inflation pressures in the table apply to tire sizes and tires from BMW-approved manufacturers. Your BMW Sports Activity Vehicle center is familiar with these pressures. Higher pressures may be specified for tires from other manufacturers.

Your vehicle is equipped with tires that not only meet US standards, but also European standards. We recommend the exclusive use of BMW-approved tires.



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## Central locking system

key for storage in a safe place, as in your wallet. This key is not led for continuous use and ignition key lock for the glove compartment not be operated with this key. s recommended for valet g, for instance.

### The concept

The central locking system is ready for operation as soon as you close the front doors. The system engages and releases the locks on the

- ▷ doors
- ▷ liftgate/tailgate
- ▷ fuel filler door.

The central locking system can be operated

- ▷ from outside via the driver's door lock as well as via the remote control
- ▷ from inside via the button for the central locking system.

If the system is locked from inside, the fuel filler door remains unlocked, refer to page [35](#).

When the system is actuated from outside of the vehicle, the anti-theft system is actuated simultaneously. The alarm system is also armed or disarmed.

In the event of an accident, the central locking system unlocks automatically (only those doors which were not locked separately with the safety lock buttons), refer to page [35](#). In addition, the hazard warning flashers and interior lamps come on.

## Door lock

### Convenience operation

You can also operate the windows and sunroof/tilt sunroof via the door lock.

**Open:** with the door closed, turn the key to the "Unlock" position and pull it.

**Close:** with the door closed, turn the key to the "Lock" position and push it.

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

### Manual operation


(in the event of an electrical malfunction) Turn the key to the extreme left or right to lock/unlock the door.


## Remote control



lock, convenience opening and  
system  
and secure, interior lamp activa-  
switching off tilt alarm sensor  
interior motion sensor  
the liftgate, panic mode

### Master keys with remote control unit

 Children might be able to lock the doors from the inside. For this reason, always take the vehicle's keys with you so that the vehicle can be opened again from the outside at any time. ◀

 Master keys that are used repeatedly are always ready for operation since the battery in the key is charged automatically in the ignition lock as you drive.

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 charge the battery, refer also to page 30.

To prevent unauthorized use of the remote control, surrender only the door and ignition key 3 or the spare key 2 (refer to page 30) when leaving the vehicle for valet parking, for example. In the event of a system malfunction, please contact your BMW Sports Activity Vehicle center. You can also obtain replacement keys there. ◀



## Remote control

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### Lock and secure



button.

### Switch on the interior lamps



locking the vehicle, press button

### Switch off the tilt sensor alarm interior motion sensor



button a second time immediately after locking.

Additional information: refer to 40.

### To open the liftgate



Press button.



Before and after a trip, be sure that the tailgate/liftgate was not opened unintentionally. ◀

### Panic mode



By pressing and holding the button for more than two seconds, you can trigger an alarm via the alarm system if there is an impending danger (the alarm system must be armed).

To switch off the alarm



Press button.

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## remote control

### owners only

transmitter and receiver units  
with part 15 of the FCC (Federal  
Communication Commission) regula-  
tion is governed by the  
following:

LX8EWS  
LX8FZVS  
LX8FZVE

Notice statement:

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

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

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


### Lock and open the doors

er unlock the doors together with button for the central locking em and then pull the door handle ve the armrest

the release handle for each door e: the first pull unlocks the door, the second one opens it.

### To engage the locks

- ▷ Use the central locking button to lock all of the doors simultaneously, or
- ▷ press down the individual safety lock buttons. The fuel filler door remains unlocked. As an added design feature to prevent the driver from being inadvertently locked out of the vehicle, the driver's safety lock button will not engage as long as the door is open.

 When the vehicle is moving, do not lock the doors with the safety lock buttons. Doors locked in this manner would not unlock automatically in the event of an accident. Since passengers or animals remaining in the vehicle might be able to lock the doors from the inside, take the vehicle's keys with you so that the vehicle can be opened again from the outside at any time. ◀

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### Opening from inside the vehicle

Press this button to open the liftgate when the vehicle is stationary.

Do not use pointed or sharp-edged objects that could strike the rear window while the liftgate is open. Be sure to provide protection for the rear window edges. If you do not do this, the rear window glass or the rear window heating conductors of the rear window could be damaged. ◀

For more information on the cargo area cover, see the other details in the cargo area, "Cargo area", beginning on page 2.



### Manual release

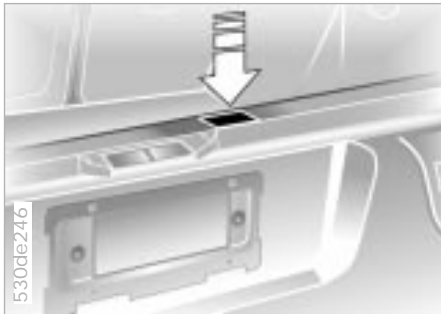
In the event of an electrical malfunction, you can release the liftgate manually:

1. Remove the plastic plug from inside the cargo area and pull toward the interior (arrow). The liftgate will be released.
2. Reinstall the plug.

## Tailgate


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Operate the vehicle only when both gates are completely closed. Otherwise, exhaust fumes could penetrate the interior of the vehicle. Should it be absolutely necessary to operate the vehicle with an open gate: use all windows. Shut the sliding/sunroof. Increase the air supply for the air conditioner or automatic climate control to a high level, refer to page 104 or 108. ◀



### To open

Press the button:  
You can fold the tailgate down.

 When opened, the tailgate can accept loads of up to 440 lbs (200 kg). When the vehicle is parked, you may utilize the tailgate as a seat or as a loading platform for luggage or recreation gear, for example. ◀

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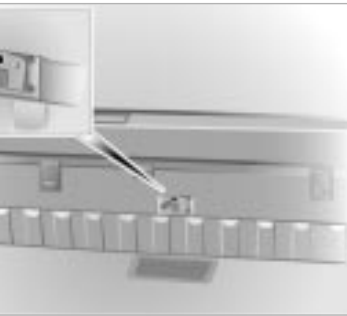
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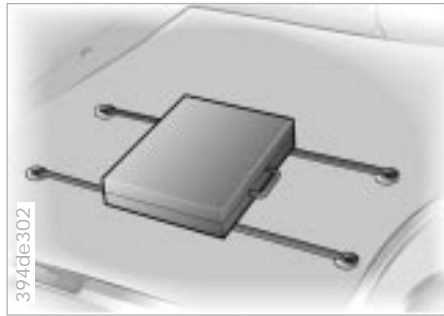
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With the same tool, press the latch in the direction of the arrow; the latch is released and the trim panel is removed.



### **Luggage straps**

Use the retaining straps on the cargo area floor to secure smaller items of luggage.

Movement is reduced when objects are placed on the straps.

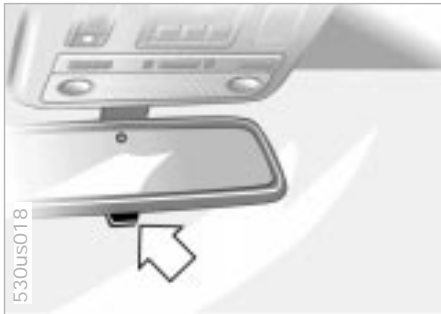
The lashing eyes located at the corners of the cargo area provide you with a convenient means of attaching luggage nets\* or flexible straps for securing luggage.

Refer also to "Stowing cargo" on page [127](#).

## Arm and disarm the alarm system

When the vehicle is locked or unlocked with the key or the remote control, the alarm system is also simultaneously armed or disarmed.

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



### Indicator lamp displays

- ▷ The indicator lamp below the interior rearview mirror flashes continuously: the system is armed
- ▷ The indicator lamp flashes during arming: the door(s), the hood or liftgate are not completely closed. Even if you do not close the alerted area, the system begins to monitor the remaining areas, and the indicator lamp flashes continuously after 10 seconds. However, the interior motion sensor is not activated
- ▷ If the indicator lamp goes out when the system is disarmed: no manipulation or attempted intrusions have been detected in the period since the system was armed

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## Electric power windows

### Interior motion sensor

For the interior motion sensor to operate properly, the windows and tilt sunroof must be completely closed.

Before leaving the vehicle, be sure to switch off the interior motion sensor (see the previous section) when you exit the vehicle.

Do not leave children or animals in the vehicle.

Do not leave the windows or tilt sunroof open.



### Open and close windows

From ignition key position 1:

- ▷ Press the switch up to the pressure point:  
The window continues to move as long as you continue to hold the switch
- ▷ Press the switch beyond the pressure point:  
The window moves downward automatically. Touch the switch again to stop the opening movement.

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



Despite this safety feature, be extremely careful that the closing of the window is not obstructed ever it is closed. Otherwise, an object might not touch the contact strip in the situations (with very thin objects, for instance).

You can override this safety feature by pressing the switch beyond the pressure and holding it.


Because the power windows are sealed with pressure to prevent wind noise when closed, a powerful motor is used for efficient closing. When closing the windows, always ensure they are not obstructed in any way. Supervised use of these systems can prevent serious personal injury.

Remove the ignition key to deactivate electric power windows whenever you leave the vehicle. Never leave the vehicle with unsupervised children. Never place anything that obstructs the driver's vision on or near the windows. ◀



### Safety switch

With the safety switch, you can prevent the rear windows from being opened or closed via the switches in the rear passenger area (by children, for example). You can also prevent adjustments of the power rear-seat backrests from the rear passenger area, refer to page 48.

 Press the safety switch whenever children are riding in the rear of the vehicle. Careless use of the power windows can lead to injury. ◀

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## Sunroof\*



### Opening - Closing

With the ignition key in position 1 or 2, press the switch or slide it in the direction until you feel resis-

...the headliner slides back somewhat when you raise the sunroof. When the sunroof is opened the headliner retracts and remains open, and it is possible to slide it back and forth as long as the sunroof is not completely open.

The headliner insert cannot be used with the sliding/tilt sunroof in the closed position. ◀

After the ignition has been switched off, you can still operate the sliding/tilt sunroof as long as neither of the front doors has been opened.

### Automatic\* opening and closing

Press the switch briefly past the pressure point and then release it.

Other automatic operations are:

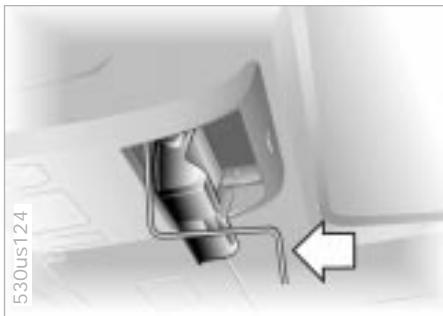
- ▷ With the sunroof open, press the switch briefly toward "Lift": the sunroof automatically extends to its fully raised position.

Pressing the switch again briefly stops the motion.

- ▷ With the sunroof raised, hold the switch toward "Open" until the roof has reached the desired position.

### Safety feature

If the sliding/tilt sunroof encounters resistance at a point roughly past the middle of its travel when it is closing, the closing cycle is interrupted and the sliding/tilt sunroof will open again slightly.



**Power loss**

Interruptions in the electrical supply (when the battery is disconnected, for instance), the sunroof may stop. To reinitialize the mechanism: use the sliding/tilt sunroof fully up and hold the switch for approx. 30 seconds.

**Manual operation**

In the event of an electrical malfunction, you can operate the sliding/tilt sunroof manually:

1. Open the glasses compartment, refer to page 118
2. Insert the Allen wrench from the vehicle tool kit (refer to page 152) in the opening provided and turn the sliding/tilt sunroof in the desired direction.

## With safety belts

Never allow more than one person to wear a single safety belt. Never let infants or small children to ride in an older's lap. Avoid twisting the belt. Route it firmly across the chest and shoulder, wear it as snugly against your body as possible. Do not use the belt to rest against hard or soft objects in your pockets. Never use the belt across your neck, do not use it over sharp edges and ensure the buckle does not become caught under any clothing. Avoid wearing bulky clothing and pull on the lap belt periodically to extend it over your shoulders. In the event of a frontal impact, a loose lap belt could slide over your hips, resulting in abdominal injury. In addition, the effectiveness of the belt's restraint effectiveness is reduced if the belt is worn loosely. Pregnant mothers should always wear safety belts, taking care to position the lap belt against the lower hips, which will not exert pressure against the abdominal area. ◀

Instructions on operating the safety belts refer to page 49.

## Seats

### Observe the following before adjusting



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 horizontal angle (especially important for front passengers to remember). Keep the backrest relatively upright to minimize the risk of "sliding under" the safety belt and sustaining injury in an accident. ◀

### Seat adjustment

- ▷ Mechanical seat adjustment, refer to page 45
- ▷ Power seat adjustment, refer to page 46
- ▷ Head restraints, refer to page 47
- ▷ Power rear backrest adjustment, refer to page 48



backrest angle  
 Pull the lever and apply weight to or  
 remove weight from the backrest as  
 required.

Comply with the adjustment  
 instructions on page 44. Failure  
 to do so could result in diminished  
 personal safety. ◀



### Adjusting the BMW sports seat\*

You can adjust the thigh support addi-  
 tionally:

Pull the lever and adjust the position of  
 the thigh support for your personal  
 comfort.

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- ▷ Press the front/rear of the switch:  
Increase/decrease curvature
- ▷ Press the upper/lower end of the  
switch:  
Increase the upper/lower curvature.

### Adjusting the BMW comfort seat\*

It allows you to make additional adjustments for:

- Head support
- Shoulder support
- Restraint height
- Lumbar support:

• adjust the backrest's contour

• additional support in the curvature of the spine's lumbar region.

• support for hips and spinal column

• supplementary support to help maintain a relaxed, upright posture.

## Head restraints

47

passenger's seat adjusted for  
d traveling:

ust the upper backrest section to  
extreme rear position  
the backrest down to a slightly  
horizontal angle  
g the upper backrest section  
ward until your shoulders are well  
ported.

Make corrections in the forward/  
backward adjustment of the seat  
ure that the safety belt still fits  
against your body. If you do not  
s, the protection provided by the  
belt may be reduced. ◀

restraint height:  
the switch in the desired direc-




### Adjustments

To adjust the angle of the front head restraints, tilt the head restraint to the desired angle.

To adjust the height of the front or rear head restraints, pull the head restraint up or push it down.

Power electric height adjustment, refer to page [46](#).

 Head restraints reduce the risk of spinal injury in the event of an accident. Adjust the head restraint so that its center is approximately level with your ears. ◀

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## Power rear-seat backrest adjustment\*



You can make separate adjustments of the backrest tilt angle on the right and left sides.

You can select a comfortable sitting position and also increase the capacity of the cargo area by moving the backrests to their most upright position.

For the rear seats: press the corresponding switch.

You can prevent adjustments of the power rear-seat backrest from the passenger area with the safety lock for the power windows, refer to the manual.

From the cargo area: the switches are located on both sides of the cargo area.



in the rear, the belt buckle with the word "CENTER" is intended exclusively for passengers sitting in the center. If it is not possible to extract the belt, this indicates that the larger rest is not securely locked, refer to 122. ◀




### Safety belt height adjustment

You can adjust the safety belts to fit your own physical dimensions by using the safety belt height adjustment.

Slide the button up or down as required.

Also observe the instructions on adjusting the seats on page 44.

 If the safety belt system has been subjected to the stresses involved in an accident or otherwise damaged: Have the entire safety belt system replaced by your BMW Sports Activity Vehicle center. In addition, have your BMW Sports Activity Vehicle center inspect the safety belt anchors. Otherwise, the safety function can no longer be ensured. ◀

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## memory\*

Press the ignition key to position 1 or 2 to set the desired positions for the exterior mirror and steering wheel. Press the MEMORY button: the indicator lamp in the button comes on. Press memory button 1, 2 or 3, as desired: the indicator lamp goes out.

### To call up a stored setting

Convenience function:

1. Open the driver's door after unlocking the vehicle or place the ignition key in position 1
2. 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.

Security function:

1. With the driver's door closed and the ignition key either removed or in position 0 or 2
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 a second time – the indicator lamp goes out.



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

## Memory\*

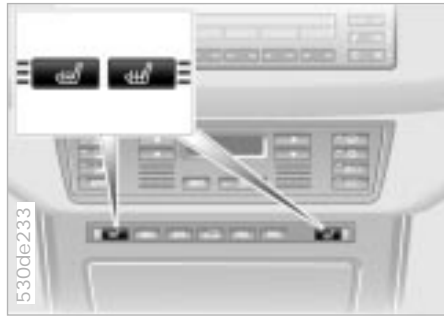


### Passenger side exterior mirror tilt function

(Automatic curb monitor)  
Move the mirror selector switch (down) to the "driver's mirror" position. When the gearshift lever or the selector lever is placed in "Reverse", the passenger-side mirror tilts downward to help the driver monitor the area directly adjacent to the vehicle during parking (curbs, etc.). You can deactivate this automatic function by setting the mirror selector to the "passenger side" position.

## Seat heating\*

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### Front

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

You can call up different heating modes by repeatedly pressing the button.

You can also switch the higher heating modes off directly:

Press the button and hold it slightly longer.

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## Adjusting steering wheel



The steering wheel can be moved in four directions. Adjust the wheel using the control lever in the desired direction.

Do not adjust the steering wheel while the vehicle is moving. If you do, there is a risk of accident from unexpected movement. ◀

For the steering wheel setting, see "Seat, mirror and steering wheel memory" on page [50](#).

### Automatic steering wheel adjustment

(only in conjunction with seat, mirror and steering wheel memory)

In order to make it easier to get into and out of the vehicle, the steering wheel automatically moves into the top position and returns to the driving (memory) position.

This automatic feature is controlled by the position of the ignition key and by the driver's door.



**Interior mirrors**  
 Mirror switch for 4-way adjustment  
 Left/right selector switch


Before going through a car wash, manually fold the exterior mirrors in, otherwise they could be damaged, depending on the width of the car wash system. ◀

**Adjusting manually**  
 You can also adjust the mirrors manu-

ally on the outer edges of their covers.

To store the mirror settings, refer to "Seat, mirror and steering wheel memory" on page 50.

**Convex mirror**

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

**Self-defrosting mirrors**

Both mirrors are defrosted automatically when the ignition key is in position 2.

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

#### **Interior and exterior rearview mirrors with automatic dimmer\***

Interior and exterior rearview mirrors automatically dim to a range of brightness in an infinitely-variable range. They automatically revert to their normal mode whenever the transmission is placed in reverse gear or the gear selector lever is in "Reverse".

There are two photocells located in the interior rearview mirror for this purpose. One photocell (arrow) is in the mirror housing while the other is offset somewhat to the back of the mirror.

impact. Each of the side airbags is designed to help support the upper

The side airbags in the rear passenger area\* of your vehicle may already have been deactivated at the time of manufacture or by a BMW Sports Activity Vehicle center. They may have them activated if you wish to do so. Please contact your BMW Sports Activity Vehicle center for more information. ◀

For more information on the correct sitting posture, refer to page 44.

The airbags will not be triggered in the event of a minor accident, a rollover, or collisions from the



Do not apply adhesive materials to the cover panels of the airbags, cover them or modify them in any other way. Do not attempt to remove the airbag restraint system from the vehicle. In the event of a malfunction, deactivation, or triggered actuation (as a response to an accident) of the airbag restraint system, consult your BMW Sports Activity Vehicle center for testing, repairs or service operations. Do not modify or tamper with either the wiring or the individual components in the airbag system. These include the padded steering wheel hub, the instrument cluster, the side trim panels of the front or rear doors and the roof pillars or the sides of the headliner. Do not remove or dismantle the steering wheel yourself. To ensure compliance with official safety regulations, entrust disposal of airbag generators to a BMW Sports Activity Vehicle center. Unprofessional attempts to service the system could lead to failure in an emergency or undesired airbag activation, either of which could result in personal injury. Do not touch the individual components directly after the system has been triggered, as otherwise there is a danger of burns. ◀

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Rear seat side airbags may already be deactivated, either at the time of manufacture or by a BMW Sports Activity Vehicle center. Labels in the rear door opening should indicate the status of your rear seat side airbags. If you are uncertain of their status or wish to have the airbags activated or deactivated, please contact your BMW Sports Activity Vehicle center.



Even when all these guidelines are followed, there is still a small residual risk of injuries to the face, hands and feet resulting from airbag deployment in certain instances. The ignition and noise may provoke a mild temporary hearing loss in extremely sensitive individuals.

Warning information is also provided on both sun visors.

This is the right way a child should sit in a child-restraint device when rear side airbags (arrow) are provided.



## Indicator lamp

The indicator lamp in the instrument cluster shows the operational status of the airbag system from ignition key position 1.

When operational:

The indicator lamp comes on briefly and then goes out.

When malfunction:

The indicator lamp fails to come on. The indicator lamp comes on briefly before going out and then lighting up again.

In the event of a system malfunction, have the BMW Sports Activity Vehicle inspected immediately. If you do not, there is a risk that the sensors will not be triggered within their optimal response range, even if the level of impact would normally have triggered them.

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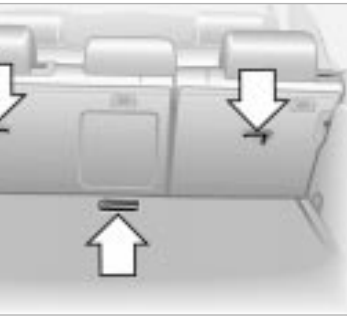
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Use a child-restraint system with a tether strap, three additional tether anchorage points (refer to the arrows in the illustration) have been provided. Depending on the location selected for installation in the rear passenger area, connect the tether strap to the corresponding anchorage point to secure the child-restraint system. Remove the tether strap from the middle location. For the respective seating position is shown with a head restraint lift the head restraint and pass the tether strap between the head restraint and the seat back. Connect the tether strap according to the child-restraint manufacturer's instructions.



Before installing any child-restraint device or child seat, please read the following: Never install a rear-facing child-restraint 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 rear-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 instrument panel as possible. This important precaution is intended to maximize the distance between the airbag and the child. Older children should be tightly secured with a safety belt.



### Child-restraint system security

The rear belt retractors and the passenger's safety belt can be used for mounting and securing child-restraint systems.

Information regarding this is located on the buckle latch of each safety

### To lock the belt

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

### To release the belt

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

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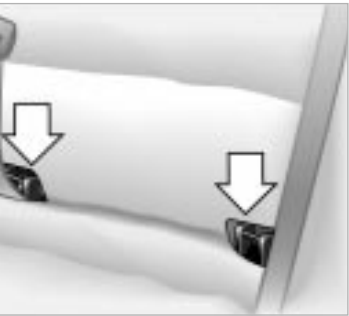
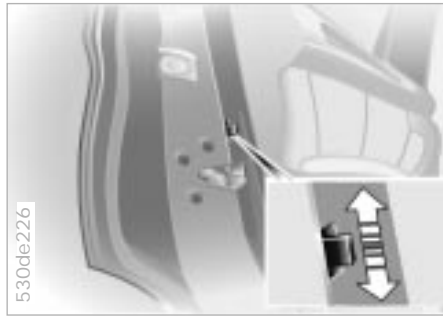


Illustration shows the mounts for a child-restraint system in the left rear seat.

If using a LATCH child-restraint system, please follow the manufacturer's instructions and safety warnings.



### Child-safety locks

Slide the safety lever on the rear doors downward:

The door can now be opened from the outside only.

your vehicle is unlocked with the key, the vehicle recognizes the individual user by means of a data link with the key, and makes adjustments accordingly.

to help you distinguish between different keys, colored decals are attached together with the keys.

### What the system can do

The BMW Sports Activity Vehicle can provide you with details on the capabilities of the "Vehicle Memory" and "Key Memory" systems. A few examples follow below:

Examples for Vehicle Memory:

• Audible signals that can serve as acknowledgment for locking and unlocking the vehicle  
• Activating/activating the "Follow me home" lamps function.

Examples for Key Memory:

- ▷ Automatically moving the driver's seat, outside mirror and steering wheel into position for the respective person when unlocking the vehicle
- ▷ Calling up customized settings for the automatic climate control when unlocking the vehicle.



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. ◀

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## Starting the engine

Acoustic warning is sounded when you try to remove the ignition key after the driver's door is open.

For vehicles with automatic transmission: Move the selector lever from the "Drive" position until the engine is stopped (ignition key in position 2). To turn the key to position 0 or to remove it, first move the selector lever to the "Park" position (Interlock). ◀

### Ignition lock disengaged

You may find that it is often easier to turn the ignition key from position 0 to position 2 when you move the steering wheel slightly to help disengage the lock.

When all electrical devices are ready for use, start the engine.

### Starting the engine

For vehicles with manual transmission: depress the clutch when you start the engine. If you do not, a lock will engage and prevent starting the engine. ◀

### Before starting

- ▷ Engage the parking brake
- ▷ Be sure that the gearshift lever is in "Neutral" (or the selector lever in "Park" if the vehicle is equipped with an automatic transmission)
- ▷ Depress the clutch pedal.



Do not allow the engine to run in enclosed spaces. The exhaust gases contain carbon monoxide, an odorless and colorless, but highly toxic gas. Breathing the exhaust gases poses an extreme health risk, and can lead to unconsciousness and death.

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

and the engine fail to start on the second attempt (if it is very hot or cold, for example):

Press the accelerator pedal halfway down while engaging the starter.

The engine starts at very low temperatures, approx. +5 °F (–15 °C) and at altitudes above 3,300 ft (1,000 meters):

After the initial start attempt, allow the starter to remain engaged somewhat longer (approx. 10 seconds).

The idle speed is controlled by the engine computer system. Increased engine speeds at start-up are normal and will decrease as the engine warms up. If the engine speed does not decrease, an adjustment is required.

To prevent the battery from discharging, always switch off electrical devices that are not in use. Switch the ignition off when the vehicle is not being driven.



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



When driving, standing at idle, and 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. ◀

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## ng brake




ing brake is primarily designed  
nt the vehicle from rolling while  
It operates against the rear

### age

er engages automatically when  
it up and the "PARK BRAKE" or  
" (in Canada "P") indicator lamp  
on in the instrument panel in  
key position 2, refer to  
8 and 19.

### ase

lightly on the lever, press the  
nd lower the lever.

 If, in exceptional circumstances, it should be 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 up the lever to apply moderate pressure.

Excessive pressure can lead to over-braking 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 transmission:

Always engage the parking brake when parking on slopes and inclined surfaces. Even placing the gearshift lever in 1st gear or reverse may not provide adequate resistance to rolling.

Vehicles with automatic transmission:

Place the selector lever in "Park". ◀

To avoid corrosion, apply the parking brake lightly from time to time when coasting to a standstill (at a traffic signal, for instance), provided that it is safe to do so.



Reverse

"Reverse" only when the vehicle is completely stopped. Press the gear-lever to the left to overcome the resistance.

When you do this, the backup lamps will come on automatically when the ignition is in position 2.

Do not hold the vehicle in place on slopes by slipping or "riding" the clutch. Use the parking brake instead. Slipping clutch increases clutch

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Electronic\*



### Selector lever positions

PRND M/S  
Transmission range display varies according to the equipment of your vehicle (refer to the illustrations).

### Starting the engine

The engine can only be started in the selector lever positions P ("Park") or N ("Neutral").



### Range selection

A detent prevents inadvertent shifts to the "Reverse" or "Park" selector lever positions. To disengage the detent, press the button on the front side of the selector lever knob (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. The vehicle will otherwise "creep" when a drive position is engaged. ◀

**Drive (Automatic shift program)**  
 This position is designed for driving under all normal operating conditions. All forward gears are available.

**Kickdown**  
 In kickdown mode, you achieve maximum acceleration and in D top speed. Press the accelerator pedal past the increased resistance point at the full-throttle position.



**M/S Manual mode and Sport Program**

When you change from D to M/S, the Sport Program is activated. This is indicated by "D S" in the transmission range display. The Sport Program is designed for performance-oriented driving.

With the first brief touch, the automatic transmission shifts from the Sport Program to the manual mode.

Whenever you tap the selector lever in the "+" direction, the transmission shifts up, and when you tap it in the "-" direction, the transmission will shift down. Depending on the equipment version, 1 to 5 or M1 to M5 is indicated in the transmission range display.

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## Electronic\*

### Electronic transmission control

If the indicator lamp comes on or the message "TRANS.FAIL-SAFE PROG" appears in the Control\*, there is a fault in the transmission system.

Bring the vehicle to a stop. Move the transmission selector lever to "P". Set the parking brake and switch the engine ignition key to position 0).

Wait a few seconds, then start the

The indicator lamp goes out after a few seconds, normal transmission operation has been restored. You can continue to drive as usual. If the indicator lamp does not go out, you can move the selector lever in all positions. If the indicator lamp remains on, the vehicle will now only drive with limited gear selection.

If the indicator lamp continues to appear, avoid extreme engine speeds and consult the nearest authorized Activity Vehicle center.

Do not work in the engine compartment when a drive gear (forward or reverse) is engaged. If you do, the vehicle could move. ◀

## Indicator/Headlamp flasher

Information on jump-starting, tow-starting and towing begins on page 164.



Wipers retracted  
 Intermittent mode or rain sensor\*  
 Normal wipe  
 Fast wipe  
 Off wipe  
 Clean the windshield  
 Special wash program\*  
 Rotary dial for control of the wiper  
 Interval or the sensitivity of the rain  
 sensor\*

### Wipers retracted (home position)


The left wiper is partially concealed by the hood. In order to bring the wipers to roughly a vertical position (this is important for changing the wiper blades or to fold the wipers out during frosty weather, for example):

- ▷ With the lever in position 1, switch off the ignition as soon as the wipers come to a stop.

If equipped with a rain sensor\*:

1. Switch on the wipers with the lever in position 1, 2 or 4
2. When the wipers are approx. vertical, switch the ignition off.

For changing the wiper blades, refer to page 152.

 Fold the wipers back down onto the windshield before you turn the ignition key to position 1 or 2 again. If you do not, they could be damaged. ◀

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Switch the rain sensor off in automatic car washes. If you do not, it may occur if the wipers switch automatically. ◀

### Intermittent wipe

The wipers switch automatically to intermittent mode when the vehicle is moving (not on vehicles with rain sensor).

### Normal wipe

The wipers operate at normal speed when the vehicle is not moving (not on vehicles with rain sensor\*).

### Intermittent spray of the windshield

The wipers spray washer fluid against the windshield and activate the wipers for a short period.

### Special wash program\*

There are also several additional wash programs, and the headlamps are cleaned. ◀  
The special wash program is recommended after you have driven on extremely dirty roads.

### Clean the headlamps\*

- ▷ With the special wash program 6
- ▷ With every fifth actuation of clean the windshield 5 when the vehicle's lighting is switched on.



Do not use the washers if there is any danger that the fluid will freeze on the windshield. If you do so, your vision could be obscured. For this reason, use an antifreeze agent, refer to page 143.

Do not use the washers when the reservoir is empty. This could cause damage to the washer pump. ◀

### Windshield washer jets

The windshield washer jets are warmed automatically when the ignition key is in position 2.


## Cruise control\*

Programming is deleted:  
Approx. 10 seconds after the lever is  
moved in position 0 or  
if the engine is switched off.  
For changing the wiper blade, refer to  
152.

You can automatically maintain and  
store any desired vehicle speed above  
approx. 20 mph (30 km/h).  
You can use cruise control whenever  
the system is active while the engine is  
running.

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## Maintain and store speed or decelerate

 button (+) briefly:  
The system maintains and stores the current vehicle speed. Every time you touch the button, the speed increases by approx. 0.6 mph (1 km/h).  
Press and hold button (+):  
The vehicle accelerates without pressing the accelerator pedal. When you release the button, the system maintains and stores the current speed.

On a downhill gradient, the engine's braking effect is not sufficient. The controlled speed can be maintained. Speed can drop on uphill if the engine output is insuffi-

## To decelerate



Press button (-) briefly:  
When cruise control is active, every brief touch of the button reduces the speed by approx. 0.6 mph (1 km/h).  
Press and hold button (-):  
With the cruise control active, the system automatically reduces the throttle opening to slow the vehicle. When you release the button, the system maintains and stores the current speed.




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## Temperature display



### Ice warning

If the outside temperature drops to approx. +37.5 °F (+3 °C), a signal sounds as a warning and the display flashes for a brief period.

 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. ◀

### Outside temperature display

Outside temperature appears in the display from ignition key position 1 and 2.

You can change the units of measurement (°C/°F) by

pressing and holding down the function button (arrow) with the ignition key in position 1

and then turning the ignition key to 0.

For more information, see also to page [80](#).

## Throttle control



Shows the current fuel consumption in liters/100 km on Canadian models. This allows you to see how your current driving style is affecting fuel economy with reduced exhaust emissions. When the vehicle is stationary, the needle goes to "Maximum" (zero on some models).


## Fuel gauge



If the indicator lamp comes on and stays on, there are approx.  
▷ 2.0 gal. (8 liter) – 6-cylinder engine  
▷ 2.5 gal. (10 liter) – 8-cylinder engine  
of fuel still in the tank.

Tank capacity: refer to page 173.

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

 Please refuel early, as driving to the last drop of fuel can result in damage to the engine and/or catalytic converter. ◀

When you switch on the ignition, the indicator lamp comes on briefly to confirm that the system is operational.

## Service Interval Display

Between the blue and red zones is the normal operating range. It is not recommended for the needle to rise as far as the edge of the red zone.



The range of available displays varies according to your individual vehicle's equipment.

### Green lamps

The number of illuminated lamps decreases as the time for your next maintenance visit approaches.

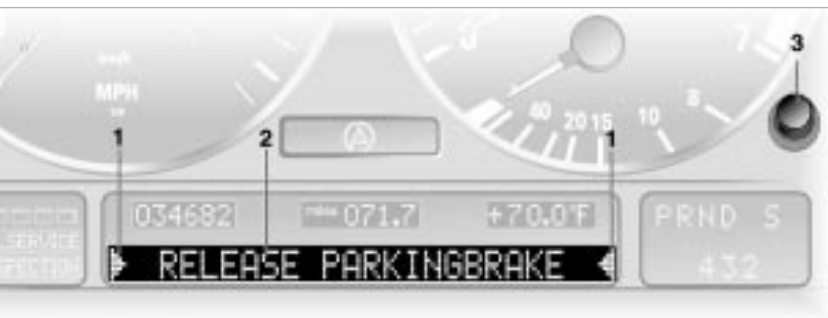
### Yellow lamp

This field appears together with OILSERVICE or INSPECTION.

Maintenance is due. Please contact your BMW Sports Activity Vehicle center for an appointment.

### Red lamp

The maintenance deadline has been passed.



### Numeric display\*

Messages are used to alert the driver of system malfunctions when the ignition key is turned to position 2. The messages are accompanied by a gong.

The messages symbol

is

indicated by the CHECK button

Messages concerning system faults are initiated based on two priorities:

#### Priority 1

These defects are immediately indicated by a gong and a flashing warning symbol 1. Simultaneous defects will be displayed consecutively. These status messages remain in the display until the defects are corrected. They cannot be deleted by pressing the CHECK button 3:

- ▷ RELEASE PARKINGBRAKE
- ▷ COOLANT TEMPERATURE  
The coolant is overheated. Stop the vehicle immediately and switch off the engine, refer to pages [76](#) and [145](#)
- ▷ STOP!ENGINE OILPRESS  
The oil pressure is too low. Stop the vehicle immediately and switch off the engine, refer to pages [18](#) and [143](#)

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y 2

displays appear for 20 seconds  
the ignition key is turned to posi-  
The warning symbols remain  
the message disappears. You can  
to the messages again for display  
pressing the CHECK button.

#### WINDSHIELD WIPER FLUID LOW

This message appears only at the  
start of a trip  
WINDSHIELD WIPER FLUID LOW  
This message appears after a  
minimal defined road speed has been  
exceeded

#### FASTEN SEAT BELTS\*

In addition to this message, an indi-  
cator lamp with the safety belt icon  
appears and an acoustical signal is  
sounded

#### WINDSHIELD WIPER FLUID LOW

Wiper fluid level is too low; top off at  
next opportunity, refer to  
page 143

#### CHECK ENGINE OIL LEVEL

Oil level is at the absolute  
minimum; refill as soon as possible,  
refer to page 143. Do not drive more  
than approx. 30 miles (50 km) until  
add oil

#### ▷ CHECK FILLER CAP

Check to see whether the fuel filler  
cap has been closed properly, refer  
to page 24. A fuel filler cap that has  
not been closed all the way will set  
off the Service Engine Soon lamp

#### ▷ OUTSIDE TEMP. +23 °F (-5 °C)

This display is only an example. The  
current temperature is displayed at  
outside temperatures of +37.5 °F  
(+3 °C) and below, refer also to  
page 74

#### ▷ SET TIRE PRESSURE\*

The RDC has imported the current  
inflation pressure in the tires as the  
target values which the system will  
monitor, refer to page 98

#### ▷ CHECK TIRE PRESSURE\*

Check and correct the tire inflation  
pressure to specifications at the  
earliest opportunity (next stop to  
refuel), refer to page 99

#### ▷ TIRECONTROL INACTIVE\*

A temporary interference of the RDC  
or a system fault, refer to page 99

#### ▷ CHECK BRAKE LIGHTS

A lamp has failed or the electrical  
circuit has a fault, refer to pages 155  
and 156 or consult a BMW Sports  
Activity Vehicle center.

### Days after completion of trip

The malfunctions registered during the trip will appear consecutively when the ignition key is turned to position 0.

The following displays will appear when appropriate:

ABS ON

IGNITION LOCK

CHECK ENGINE OIL LEV

Check engine oil at the next opportunity (at stop to refuel), refer to page 143.

The display appears when you open the driver's door after parking the vehicle. A supplementary gong is also

The messages remain available for a period of approx. three minutes after the display goes out and the key is removed from the ignition lock. Press the CHECK button 3. If there were multiple messages, press the CHECK button repeatedly to view them all in sequence.

### To check the Check Control

Press the CHECK button 3 with the ignition key in position 2: CHECK CONTROL OK appears in the display.

No malfunctions are present in the monitored systems.

### Computer

You can find a description of the computer on pages 80 and 86 as well as in the Owner's Manual for the Onboard Computer.



You can have the Check Control and computer messages displayed in a different language. ◀

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### Outside temperature and average fuel consumption

To change the units of measurement (C/°F) for the outside temperature display by

pressing and holding the trip meter reset button (in ignition position 1) when turning the ignition key to 0. See page 74.

### Cruising range and average speed

The computer bases its calculations of the cruising range on the previous driving style and conditions.

The computer ignores any time spent with the vehicle stationary and the engine switched off in its average speed calculations.

### To cancel the display

If the button in the turn signal lever is pressed briefly while the average speed is displayed, the computer display can be masked out.

### To restart calculations

If you continue to press the button in the turn signal lever, the average values which were just displayed for fuel consumption and speed will be recalculated from that point. The engine must be running for this calculation.

### Computer with alphanumeric display\*

If your vehicle has Check Control with alphanumeric display, the system's computer is described beginning on page 86 and in the Owner's Manual for the Onboard Computer.





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on button for audio systems

on button for the cellular

g\*

tor lamp for independent venti-

\*

ains on if switch-on time is

ve

hes while operating

on button for the digital clock

omputer\*

tor display for the various

ard systems

6 Display for the entry and query buttons. Depending on the operating mode, the functions and alternatives that can be selected at the buttons are displayed here

7 Entry and query buttons for operating the various onboard systems

## Change the time



Press the left side of the button.



Press the right side of the button:  
The dots flash in the display.

Enter the setting:



Press on the left or right, or hold the button down.

Store the entry:



Press the right side of the button.

## To change the date



Press the left side of the button.



Press.



Press the right side of the button:  
The dots and the DATE display flash.

To alter the setting:



Press on left or right, or hold the button down.

To store the entry:



Press the right side of the button.

The clock takes leap years into account and therefore does not have to be reset manually.

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atch

 e left side of the button.

shows:



To start the stopwatch function:



Press the right side of the button.

To take an intermediate time reading:



Press.




Press.

The stopwatch display can be seen counting up; the stopwatch continues to run.

To halt the stopwatch:



Press the right side of the button.

 The stopwatch is halted when the ignition switch is turned back to 0, but starts to run again when the ignition key is turned to 1. ◀

Enter the time:



Press the left/right, or hold the button down.

Confirm the entry:



Press the right side of the button.

The activated time is marked with an asterisk.



Switch-on times remain stored until new entries are made.

You can change switch-on times that have already been stored by making a new time entry as described above.


When the switch-on time is active, the fan comes on in the MID. During actual operation of the ventilation, the LED indicator lights. The LED goes out when the fan is switched off.

To activate/deactivate the time:



Press twice.

### Directly switching the independent ventilation\* on and off

 The independent ventilation function can only be called up in ignition key position 1. ◀



Press the left side of the button.



Press.

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## limit

Limit entry:

Enter the road speed here  
you wish to hear and see a  
warning signal: a signal will sound,  
and LIMIT will flash, and with the  
Control with alphanumeric  
display, the speed limit warning stored  
in memory will appear on the instru-  
ment cluster briefly.

The speed limit reminder is only  
active if road speed has fallen at  
least 5 mph (approx. 5 km/h) below the  
set speed limit.

Press the right side of the button.

Press the right side of the button.

Display shows:



Enter the limit by pressing the function  
buttons.

To correct an entry:



Press the left side of the button and  
repeat the entry.

To store the entry:



Press the right side of the button.

## Distance to destination

Remaining distance to the destination will be displayed on the screen. Press the left side of the button to return to the entire distance before starting the journey.

BC

Press the right side of the button.

ARR

---

Press the left side of the button.

SET

---

Press the right side of the button.

The screen shows:

99.1 ST DIST --- MLS  
3 4 5 6 7 8 9 CLR SET

You can enter the distance by pressing the function buttons.

To correct an entry:

CLR SET  
---

Press the left side of the button and repeat the entry.

To store the entry:

CLR SET  
---

Press the right side of the button.

Checking stored value:

BC

Press the right side of the button.

DIST ARR

---

Press the left side of the button.

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## g range

ance which the vehicle should  
n the remaining fuel in the tank  
yed.

the right side of the button.

play shows the probable range.

hen you have only enough fuel  
t to drive fewer than 30 miles  
then refuel, as otherwise the  
or the catalytic converter could  
aged. ◀

omputer will only register fuel  
s over 1.8 gal (6 liters).

## Fuel consumption

You can have the average fuel  
consumption displayed for two different  
distances, for example a complete  
journey and part of the journey.

To start the calculation, select the  
CONS function with the engine running.



Press the right side of the button.



Press on the left or right:  
The display will show the average fuel  
consumption.

To restart the fuel consumption  
calculation:



Press on the left or right.



Press the right side of the button.



### Enabled immobilizer function

can establish a code that will prevent the engine from being started if the code is entered.

If you do not have access to the code, the emergency deactivation procedure must be carried out, refer to next page.

Pressing and activating the code:



Press the right side of the button.



Press the left side of the button. The display shows:



Enter the code with the function buttons.

To correct an entry:



Press on the left side of the button and repeat the entry.

To store the entry:



Press the right side of the button. Turn the ignition key to position 0.

Deactivate the code:

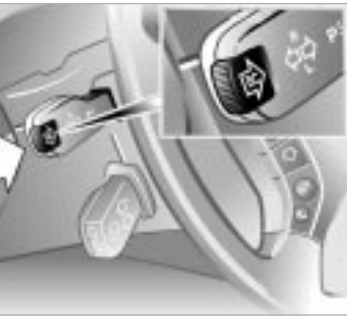
When you are asked to enter the code (ignition key in position 1 or 2):

- ▷ Enter the code at the function buttons.



Press the right side of the button.

After the code has been entered correctly and confirmed with the SET button, the time display appears.



To have all the available information displayed, press:

- ▷ the button on the lever until the display shows PROG
- ▷ the SET button.

To obtain individual items of information, press the button in briefly as often as necessary.

## Control

on the turn signal indicator can be used to select the items of information which are to be displayed.

is, press:

button on the lever until PROG 1 is on the display  
D buttons in the order in which wish the information to be displayed.

time an entry is stored, the am number appears on the y.

minate the selection procedure:



the right side of the button.



### Initial activation

Press the button; the indicator lamp lights on.

When driving a distance of more than approx. 160 ft (50 m) or exceeding a speed of approx. 20 mph (30 km/h), the system switches off and the indicator lamp goes out. Switch the system on again as required.

### Initial deactivation

Press the button again.

### Acoustical signals

The distance from an obstacle is indicated in front with a higher intermittent tone, and at the rear with a lower intermittent tone. 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 approx. 1 ft (30 cm) away.

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

If there is a malfunction of the system: The indicator lamp flashes and a short steady signal tone is sounded

- ▷ if you activate PDC with the button
- ▷ when you select reverse for the first time after switching on the ignition
- ▷ if a malfunction occurs while the PDC system is active.

Switch the system off and have the cause of the malfunction corrected by your BMW Sports Activity Vehicle center.

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## Dynamic Stability Control (DSC)

### Concept

maintains vehicle stability, even in driving situations.

System optimizes vehicle stability during acceleration and when starting from a full stop, as well as optimizing

In addition, it recognizes and corrects vehicle conditions, such as understeering or oversteering, and, as far as possible within the laws of physics, keeps the vehicle on a steady course by adapting the rpm's and brake pressures to the individual wheels.

The system starts up automatically when you start the engine.

### Indicator lamp



The indicator lamp in the instrument cluster goes out shortly after you switch on the ignition, refer to page 20.

Indicator lamp flashes:

The system is active and governs drive and braking force.

If the indicator lamp fails to go out after the engine is started, or comes on during normal driving and stays on:

The system is either defective or was switched off with the button: the stabilizing applications described to the left are no longer available. The vehicle will remain completely operational, however, without DSC.

Consult your BMW Sports Activity Vehicle center to have the system repaired.

As a result of the traction intervention, the brakes may be subjected to additional loads when the system is switched off. For this reason, it is possible that the braking intervention is disabled automatically for a brief period in order to limit brake tempera-

to maintain vehicle stability, always use the system with the system switched on when possible. ◀

#### Switch the system on again

Press the button again; the indicator light goes out.

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. Do not make any modifications to the system. Service procedures on the system are to be performed by authorized technicians only. ◀

### Dynamic Brake Control (DBC)

DBC is an integral component of the DSC system.

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 exploits all 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.

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#### Switch the system on

Press the button. The indicator lamp comes on.

The indicator lamp flashes when the brakes are applied automatically.

#### Switch the system off

Press the button again; the indicator lamp goes out.

The system is deactivated automatically above a speed of approx. 35 mph (22 mph) and when the ignition is switched off.

#### To use HDC

With manual transmission:

Use HDC in first gear and in Reverse since the engine's braking effect is diminished in the higher gears.

With automatic transmission:

You can use HDC in every drive position.

#### In the event of a fault

The indicator lamp goes out in the HDC mode or does not come on when HDC is switched on:

HDC is temporarily not available if brake temperature is too high.



If the DSC indicator lamp also lights up:

There is a fault in the HDC and DSC systems. Have your BMW Sports Activity Vehicle center inspect this system as soon as possible.

## Variable Ride Height on both axles\*

95

### Concept

The vehicle is equipped with Variable Ride Height acting on both the front and rear suspension. This system provides automatic self-leveling, compensates for variations in front-to-rear load-distribution patterns, and a selection feature allowing drivers to choose from among several ride-height options.

Drivers may choose from among the following ride heights:


- Standard
- "standard" setting is intended for most operating conditions, including towing
- Road
- Lower ride height for increased ground clearance
- Pass

Provides a more convenient driving experience and easier passenger entry and exits.

Changes in ride height are initiated either manually, using the control button (refer to page 96), or automatically in response to specific speeds. When the ride height is selected manually, the driver has the additional option of revising the ride-height selection by entering a new command during the adjustment process.

When the vehicle is stationary, the system executes ride-height changes in both directions (up and down) whenever the doors are closed. The tailgate/liftgate may be open. The system raises the vehicle only when the engine is running.

The system's automatic self-leveling feature automatically compensates for variations in the vehicle's load.

 Frequent changes in ride height initiated at short intervals can overheat the compressor, causing the system to briefly suspend active operation. ◀

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es\*

the suspension reaches the  
ride height the flashing LED  
s to continuous operation, and  
LED for the earlier level goes out  
or current ride height flashes for  
ly 3 seconds when you press  
utton: change in ride height is  
ossible.



### **Raising**

Available only when the engine is running.

From "Standard" to "Off-Road":

Press button 1 while traveling at a speed of less than approx. 30 mph (50 km/h).

From "Access" to "Standard":

- ▷ Press button 1 or
- ▷ The setting automatically reverts to the "standard" setting once the vehicle exceeds a speed of roughly 20 mph (35 km/h).



icles\*

"Off-Road" to "Standard":  
Press button 2 or  
Automatically once you exceed a  
speed of approx. 30 mph (50 km/h).

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### Check the system on

Turn the ignition key to position 2 (do not start the engine)

Press and hold the RDC button until the yellow indicator lamp in the instrument cluster comes on for about 3 seconds or the message "CHECK TIRE PRESSURE" appears in the Check Control

After you have driven for a few miles, the RDC will import the current inflation pressure in the tires as reference values which the system will monitor.

You only have to repeat this procedure if the tire inflation pressure must be corrected. Otherwise, the RDC functions automatically when the ignition is in position 2, and thus operates as long as the vehicle is driven.

### Loss of tire pressure

If, after a certain period of time, the inflation pressure has gone down significantly (which is normal for any tire), the yellow indicator lamp comes on or the message "CHECK TIRE PRESSURE" appears in the Check Control.

This alerts you that you should have the tires inflated to the specified pressures as soon as possible.



If you are prompted to check the tire pressure shortly after a correction has been made, this indicates that the corrected values were not accurate. Please check the inflation pressure again and make corrections according to the inflation pressure table. ◀

### System malfunction

During the period of the malfunction, the yellow indicator lamp comes on or the message "TIRECONTROL INAC-" appears in the Check Control.

You will also see the same message in the event of a system malfunction if a wheel is mounted without the RDC electronics. In addition to the spare tire, additional wheels with RDC electronics are on board.

Please contact your BMW Sports Activity Vehicle center for additional information.

## Adaptive brake light

99

The adaptive brake light (in preparation) provides drivers of following vehicles with an indication of the intensity with which the brakes are being applied in your own vehicle.

The display occurs in two stages:

- ▷ Normal braking:  
The brake light units within the tail-light clusters and the high-mount brake light integrated within the rear spoiler both light up with normal intensity
- ▷ Hard braking or braking with ABS active:  
The taillights also come on, lighting up with the same intensity as the brake lights to provide a larger and more conspicuous warning.

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"Follow me home" lamps:  
When you activate the headlamp  
after parking the vehicle and  
switch off the lamps, the low beams  
remain on for a brief period. You may  
deactivate this function if  
desired. ◀

### CAUTION warning

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

Check the vehicle with alphanumeric  
display:  
A warning indicator is given through the  
Control Display.

### Daytime driving lamps\*

Daytime driving lamps are automatically  
switched on for daylight driving at  
ignition key position 2.

### Automatic headlamp control\*



When the switch is set to this  
position the system automati-  
cally activates or deactivates the  
low beams in response to changes in  
ambient light (in tunnels, at dusk, etc.)  
as well as rain and snow.



The vehicle's external lamps  
remain on constantly when you  
switch on the fog lamps after the head-  
lamps have come on automatically. ◀



Automatic headlamp control  
cannot serve as a substitute for  
the driver's judgement in determining  
when the vehicle lamps 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 manu-  
ally. ◀



You can have the sensitivity of  
your vehicle's automatic head-  
lamp control adjusted. ◀



beams (blue indicator lamp)  
lamp flasher (blue indicator  
ing lamps

**ing lamps, left or right\***  
Additional feature, you can  
e your vehicle on either side  
ng, if you wish to do so:  
ignition key in position 0,  
the lever in the appropriate  
nal position.

### Fog lamps



A green indicator lamp appears in the instrument cluster to indicate that the front fog lamps are on.

If the high beams are switched on, the fog lamps go out.



If the automatic headlamp control is activated, the low beams will automatically be switched on when the front fog lamps are switched on. ◀

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### Trunk and cargo area lamps

Lamps are controlled in the same manner as the front interior lamps.

### Exterior lighting\*

Lighting system in the two exterior lamps illuminates the ground in the area near the two front doors. It is also controlled in the same manner as the interior lamps, but it does not operate while the vehicle is moving.

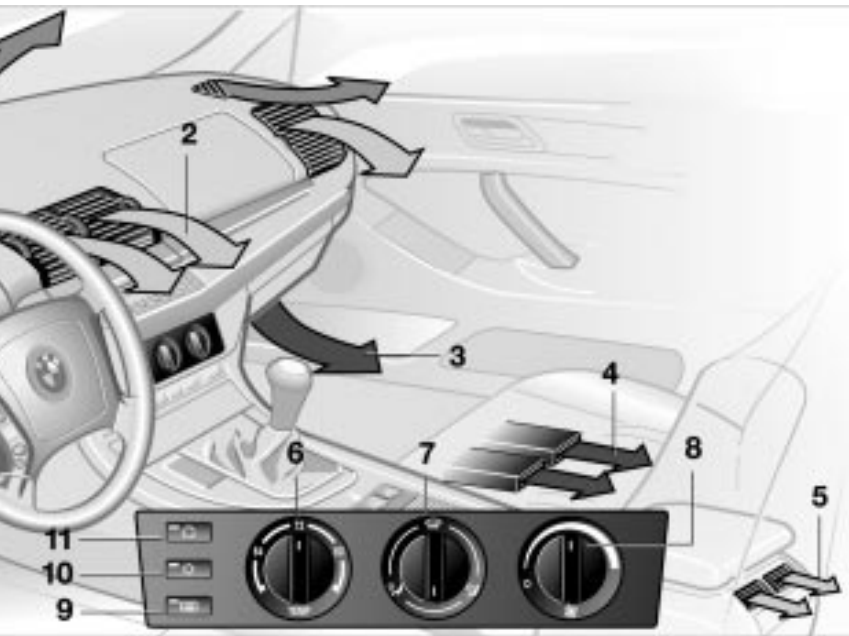
## Reading lamps\*



Reading lamps are provided in the front and rear\* near the interior lamp. They can be switched on and off with the button (arrows) next to each lamp.



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



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### Rear window defroster

When the rear window defroster is activated, the rear lamp comes on. The rear defroster switches off automat-

The air is cooled and dehumidified and – depending on temperature setting – warmed when the air conditioner system is turned on. Depending on the temperature setting, the windshield may fog over when the engine is started. You can reduce condensation forming on the windshield by switching on the air conditioner.

Condensation forms in the air conditioner system during operation which then exits under the vehicle. The presence of condensed water of this kind is normal. ◀

### Recirculated-air mode



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

If you have a steering wheel with multi-function buttons with the button for the recirculated-air mode, you can also use this button to switch to the recirculated-air mode, refer to page 22.



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





### passenger area ventilation


rotary dial for opening and closing vent outlets through an infinitely-adjustable range  
 sliders for adjusting airflow direction.  
 Air that flows out here is somewhat warmer than the air delivered to the foot-

### filter

A microfilter removes dust and pollen from the incoming air. It is replaced by the BMW Sports Activity Vehicle during regular maintenance. A partial reduction in air supply indicates that the filter must be replaced during normal maintenance.



### To defrost windows and remove condensation

1. You can specify an interior temperature that is comfortable for you with the rotary temperature dial. A good starting point is +72 °F (+22 °C)
2. Set the air distribution rotary dial to 
3. Set the blower/air supply rotary dial completely to the right
4. Close the vent outlets in the rear seating area
5. Switch on the rear window defroster to defrost the rear window.

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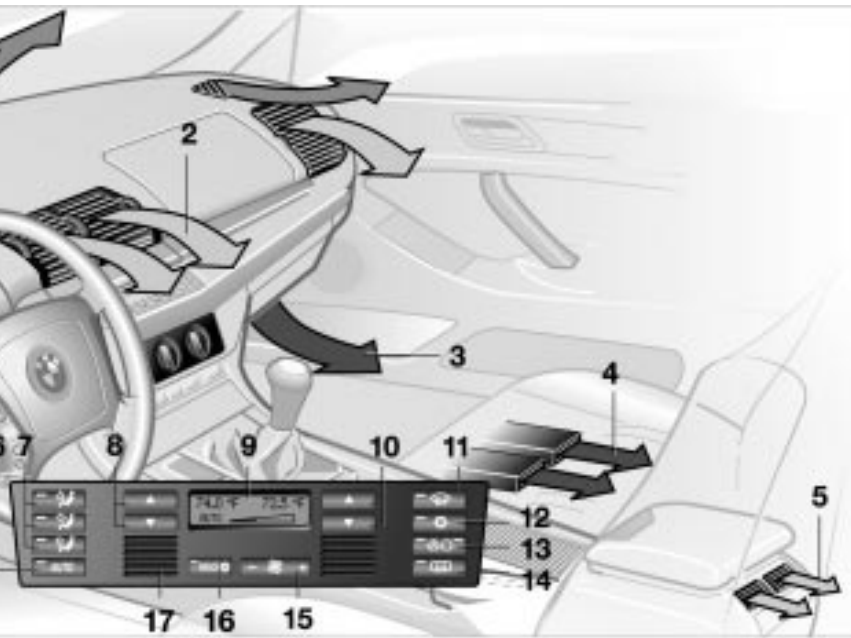
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Footwell ventilation

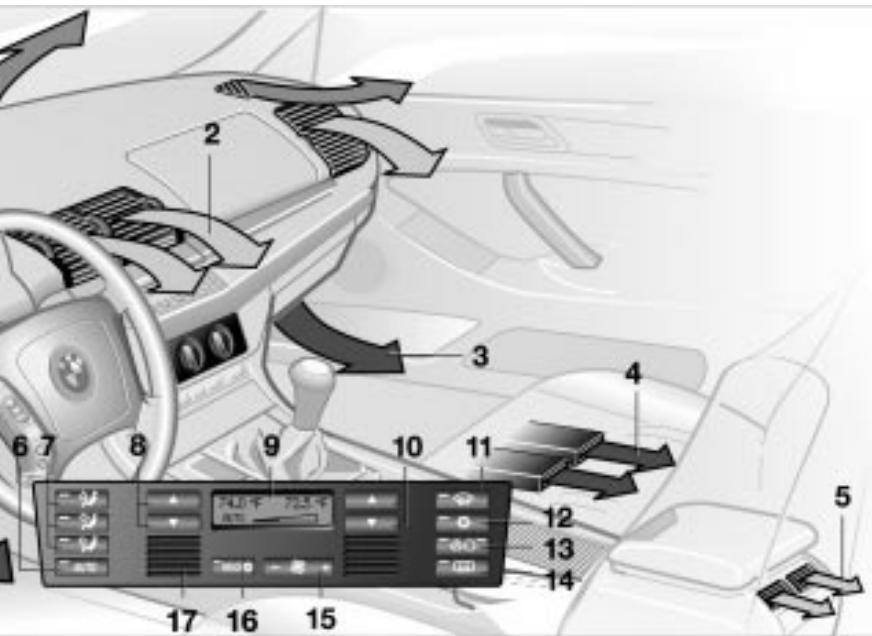
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

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## Individual air distribution

You can cancel the AUTO program by selecting specific air distribution patterns for your personal comfort, the automatic air remains in operation. You can switch the air flow onto the windows , to the upper body , and into the lower body . You can reactivate the automatic air distribution mode by pressing the AUTO button.

## Temperature


You can make individual temperature settings on the driver's side or the front passenger side. Your settings will be shown on the display 9. The displayed temperatures are reference values for the interior temperature. We recommend 72 °F (+22 °C) as a comfortable temperature. Whether the air conditioner is on or not. When you start the engine, this system ensures that the target temperature is achieved as quickly as possible. It then maintains the target temperature, regardless of the

## Air supply


 In the AUTO program, the air supply is controlled automatically. AUTO will appear in the display 9, refer to the overview on page 106. Use "+" and "-" to vary the air supply. When your setting is displayed by bars, the automatic air supply is switched off. Automatic air distribution maintains its setting. You can reactivate the automatic air supply by pressing the AUTO button.

When you press "-" during operation at minimum blower speed all displays are canceled: the blower, heating and air conditioner are switched off. The outside air supply is closed. You can switch the system back on by pressing any button of the automatic climate control.

## To defrost windows and remove condensation

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

## Automatic recirculated-air mode (AUC)

 If there are unpleasant odors or pollutants in the outside air, you can temporarily block the flow from the outside. The system then recirculates the air currently within the vehicle.


Press the button repeatedly to run through the following control sequence: indicator lamps off: outside air supply indicator lamp on

– AUC indicator lamp on: 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 forth between outside air supply and recirculation of the air within the vehicle.

Right-hand indicator lamp on: the outside air supply into the vehicle is completely blocked. The system then recirculates the air currently within the vehicle.

If you have a steering wheel with multi-function buttons with the button for recirculated-air mode (refer to page 22), you can also use this button to switch between "Off" and the recirculated-air mode or AUC and the recirculated-air mode.

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

## Rear window defroster

 When the rear window defroster is activated, the indicator lamp comes on. The rear window defroster switches off automatically.

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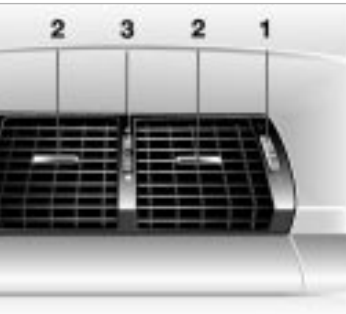
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### Free ventilation

adjust the vent outlets for the body area to select the optimum rates and directions for your comfort:

by dials for opening and closing vent outlets through an infinitely-able range

tor levers for airflow direction

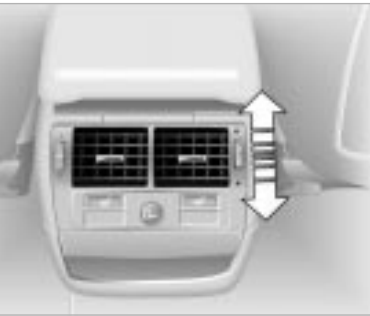
the rotary dial you can adjust the temperature of the incoming air.

n toward blue – colder  
n toward red – warmer.



### Rear passenger area climate control

- 1 Air supply
- 2 Temperature
- 3 Adjusting the direction of the airflow



## Temperature

Passengers in the rear seating area can set their own temperature for the rear air outlets:

Turn the dial toward blue – colder  
Turn the dial toward red – warmer

As soon as you start the vehicle, this system adjusts the air so that the selected temperature is achieved as quickly as possible. It maintains this temperature, regardless of the season.

A temperature setting is only possible when the blower is turned on (not in the "0" setting). ◀

## Microfilter, activated-charcoal filter

The microfilter removes dust and pollen from the incoming air. The activated-charcoal filter provides additional protection by filtering gaseous pollutants from the outside air. Your BMW Sports Activity Vehicle center replaces this combined filter as a standard part of your scheduled maintenance. A substantial reduction in air supply indicates that the filter must be replaced before normal maintenance.

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## Independent ventilation system\*

Use this system to ventilate the interior and lower its temperature, using the power of the automatic climate control.

The independent ventilation system is controlled via the Multi-Information Display (MID), refer to page 85 or via the infotainment computer, refer to the separate owner's Manual.

You can set two different times for the system to start; it will remain active for the set times. You can also switch it on manually. Since the system uses a substantial amount of electrical power, you should refrain from switching it on twice in succession, allowing the battery to be recharged in normal operation between

When a preselected activation time is set, the independent ventilation system is operational at outside temperatures above +60 °F (+16 °C), or by direct switch activation. It cannot be switched on when the vehicle is moving.

The air emerges via the vent outlets for the upper body. Therefore, the vent outlets must be open for the system to operate.



To Canadian residents:

During programming, your hand-held transmitter may automatically stop emitting after two seconds. This may not be long enough to program the Universal Transmitter. If you are programming from one of these hand-held transmitters, the Universal Transmitter's light may begin to flash in a pattern of double-blinks. If this occurs, you need to hold the button of the Universal Transmitter while you reactivate your hand-held transmitter. You may have to repeat this function several times while programming. ◀

Before programming, read the "User information" section on page 115. ◀


### Original hand-held transmitter

If this symbol is present on the packaging or in the instructions of the original hand-held transmitter, it may be assumed that this hand-held transmitter is compatible with the BMW Universal Transmitter.

### Checking for the conversion code

To determine whether the original hand-held transmitter is provided with a conversion-code system, you may either read the instructions for the original hand-held transmitter or program a channel key as described on the next page (left-hand column under "Programming").

Then press and hold the programmed channel key of the BMW Universal Transmitter. If the indicator lamp of the BMW Universal Transmitter flashes for two seconds and then comes on steadily, the original hand-held transmitter is provided with a conversion-code system. With a conversion-code system, program the channel keys as described on the next page (right-hand column under "Programming a hand-held transmitter with conversion code").

 If you have additional questions, please consult your BMW Sports Activity Vehicle center or call 1-800-355-3515. You can also visit this website: [www.bmwusa.com](http://www.bmwusa.com). ◀

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the original hand-held trans-  
mitter toward the receiver 3 a  
distance of 2 in (5 cm) away  
from the transmission key of the  
original hand-held transmitter  
(arrow 2) and the desired channel  
key of the Integrated Universal  
Remote Control (arrow 1) simulta-  
neously. Release both keys as soon  
as the indicator lamp flashes rapidly  
to program other original hand-held  
transmitters, repeat steps 3 and 4.  
The corresponding channel key is now  
programmed with the signal of the origi-  
nal hand-held transmitter.


### Programming a hand-held transmitter with conversion code

 Read and comply with the safety precautions on the previous page. ◀

When programming the BMW Universal Transmitter, consult the instructions for the specific device. For using the BMW Universal Transmitter with a conversion-code system, note the following supplemental programming instructions:

 A second person facilitates programming of the BMW Universal Transmitter. ◀

1. Program the BMW Universal Transmitter as described previously under "Programming"
2. Press and hold the programming key on the receiver of the device for approx. two seconds until the programming lamp on the device comes on
3. Press the desired channel key of the BMW Universal Transmitter three times.

 If you have additional questions, please consult your BMW Sports Activity Vehicle center. ◀

## Information

Do not use this BMW Universal Trans-  
mission with any garage door opener that  
does not have safety "stop" and "reverse"  
features as required by federal safety  
regulations (this includes any garage  
door opener model manufactured  
before April 1, 1982).

This device complies with Section 15 of  
the FCC Rules. Operation is subject to  
the following two conditions: as defined  
in the regulations, this device must not  
cause harmful interference, and must be  
protected against interference from  
external sources to prevent unautho-  
rized or inadvertent activation.

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## Storage compartments



of the master keys. A master key is also required for unlocking.

You turn over only your door and ignition key for valet parking (refer to page 30), for example, access to the compartment is not possible. ◀

### Chargeable flashlight\*

is located on the left-hand side of the compartment.

It has integral overload-protection, and must be left in its holder continuously.

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

You will find two storage compartments in the armrest between the front seats.

To open the top compartment:

Press the button (arrow 1).

You will find a cellular phone\* in this compartment.

To move the armrest or open the lower compartment:

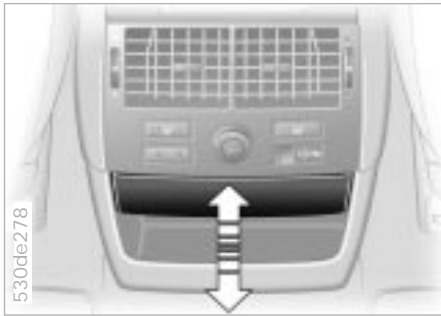
Pull the handle (arrow 2).

In this compartment, you will find a coin tray and a storage compartment\* for cassettes or CDs.

You will find additional storage compartments in all of the doors as well as on the backrests of the front seats.

## Storage holder

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Remove the sliding cover (illustration).  
Remove the insert which is a compartment  
for storing pens.

### Rear

At the end of the center console under  
the lighter.

Press briefly to open; push back inward  
to close.

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ay, front




Cigarette lighter, front



oty  
e edge of the lid (arrow):  
tray moves up and can be  
d.

Press the lighter in.  
The lighter can be removed as soon as  
it retracts.

 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 opera-  
tional when the ignition key has been  
removed.

For this reason, do not leave unsuper-  
vised children in the vehicle. ◀



empty  
the insert tray.

Press the lighter in.  
The lighter can be removed as soon as  
it retracts.

 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 opera-  
tional when the ignition key has been  
removed.  
For this reason, do not leave unsuper-  
vised children in the vehicle. ◀

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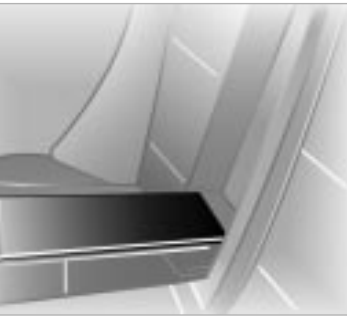
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g  
the center armrest outward.  
en the trim from the upper  
® fastener and place it on the  
st



2. Press button 1 downward and swing the cover forward
3. Press button 2: the cover in the cargo area is unlocked.  
Together with the pull-out cargo floor\* (refer to page 126): pull the floor out, release the cover and slide the floor back in – the floor then conceals the cover
4. Extend the ski bag between the front seats. The zipper provides convenient access to the inside of the bag, and can also be left open to promote drying.

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



If the cover is concealed in the cargo area by the pull-out cargo, do not fold the larger rear back-down. If you do so, it will damage the cover. ◀

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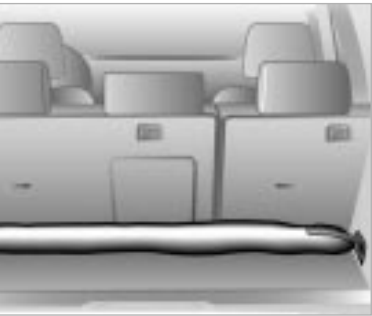
### Rear seat cover

Slide the cover out by the handle and fold it down behind the rear seat backrest.

Use the cover to carry light objects such as bags or coats. Do not place heavy or hard objects on the cover. If you do so, it could pose a danger to vehicle occupants during braking or evasive maneuvers. ◀

When the cover is pulled out, it can be opened behind the rear-seat backrest to gain access to the cargo area from the rear seats during a trip, for example. For removing the cover, refer to the next page.

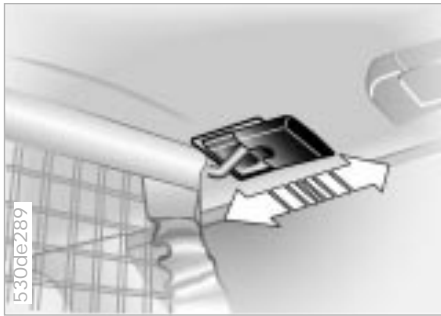
To return the cover to its original position, you slide it back into position, using the grip in the rear fold of the cover.



### Partition net\*

Remove the bag with the partition net from the retainer by releasing the latches from the lashing eyes on both sides.  
Remove the partition net from the vehicle and unroll it half way.

Note how the bag with the partition net is secured in the vehicle. Now the partition net is rolled up and stored in the bag so that you can store everything to its place after use. If your vehicle is equipped with a pull-out floor\* be sure to read the note on page 126. ◀



3. Slide back the covers on the retainers for the partition net on both sides of the roof (arrow)
4. Insert the curved ends of the partition net rod in the retainers on both sides
5. Now you can slide the covers toward the front again (arrow)

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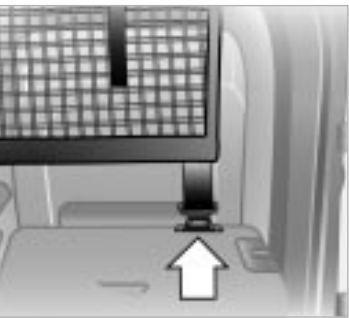
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When the rear backrests are folded down, you can open the Velcro® fasteners, completely unroll the partition and insert it in the front retainers on the roof and attach the three hooks and eyes. The illustration shows securing at the front right as an example.



### Side covers

Pull the handle to open the side covers.



### the floor cover up

the black retainer on the lower edge of the floor cover and hook it into the upper frame of the liftgate cutout. When you fold the floor cover down, the retainer returns to its original position.



### Power outlets

When you fold the cover cap up, you have access to additional power outlets.

You can use the power outlets for flashlights, car vacuum cleaners or other automotive appliances with up to approx. 200 watts at 12 volts. Avoid damage to the socket caused by inserting plugs of a different shape or size.

Refer also to page [119](#).

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is extended, you can load the floor:

up to 990 lbs (450 kg),  
distributed evenly across the  
surface

up to 330 lbs (150 kg) on the  
edge.

Do not overload the cargo floor  
when it is extended. If you do so,  
it may cause damage.

When you slide the cargo floor back in,  
grasp it on the bottom. If you do  
not, there is a risk of personal injury. ◀



### **Raise the cargo floor**

For access to the spare wheel or other  
stored items:

Swing the cargo floor up and secure it  
with the rod (see detail).




If your vehicle has a partition net\*:  
Take the bag with the partition net  
out of the retainer (refer to page [123](#)),  
before you raise the cargo floor panel.  
Otherwise, the bag could slide down-  
ward. ◀



### Securing the load

Secure smaller, light pieces with the ratchet straps or a luggage net\*, or elastic straps, refer to page 38. For large, heavy pieces, see your Owner's Manual for Sports Activity Vehicle center console load-securing devices\*. The anchor eyes provided at the corners of the cargo area serve for mounting these load-securing devices. Read and comply with the information enclosed with the load-securing devices.

 Always position and secure the load correctly. If you do not, it can endanger the passengers during braking or evasive maneuvers. Do not exceed the permissible gross vehicle weight and the permissible axle loads, refer to page 172. If you do, the operating safety of the vehicle is no longer ensured and you are in violation of the law. Do not carry hard or heavy objects unsecured in the passenger compartment. If you do so, they may be projected through the air during braking and evasive maneuvers, thus endangering vehicle occupants. ◀

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### loading and driving hints

Mounted luggage racks raise the center of gravity of the vehicle when loaded. For this reason, they have a major effect on the vehicle's handling and steering response.

You should therefore always remember not to exceed the approved roof load and the approved gross vehicle weight or the axle loads when loading.

You can find the specifications under "Technical Data" on page 172.

Be sure that the load is not too heavy and attempt to distribute it evenly. Always load the heaviest pieces on the bottom. Be sure that sufficient clearance is maintained for the sliding/tilt sunroof, and that the load does not project into the opening of the liftgate.



Always ensure that roof-mounted loads are tightly secured, as loose loads can shift or even fly off the roof, posing a serious hazard for following traffic. ◀

Drive smoothly. Avoid sudden acceleration and braking maneuvers. Take corners gently.



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Technical factors associated with tire manufacture, tires do not achieve their full traction potential until the break-in period has elapsed. For this reason, drive with extra care during the initial 200 miles (300 km). Observe your local and state maximum speed limits.

When the vehicle is operated on wet or slushy roads, a wedge of water may form between the tire and the road surface. This phenomenon is known as aquaplaning, or hydroplaning, and can lead to partial or complete loss of traction, vehicle instability and braking effectiveness. Reduce your speed on wet roads. ◀

### 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 long service life later on.

To break in the separate parking brake drums, apply the parking brake lightly when coasting to a standstill (at a traffic signal, for instance), provided that traffic conditions allow you to do so.

To avoid corrosion, repeat this procedure from time to time.



The brake lamps do not light up when the parking brake is applied. 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 switched off – when towing, for instance – substantially higher levels of pedal force will be required to brake the vehicle. ◀

Starting from a full stop is possible on hill gradients of up to 32%.

permitted side tilt is also 50%. While driving, watch carefully for obstacles such as rocks or holes. Try to avoid these obstacles whenever possible.

On hill crests and bumpy roads, for example, be careful to prevent the vehicle from "bottoming" (contact between the body and the ground). Check the ground clearance of the vehicle.

With 200 mm ground clearance and up to four passengers.

With 180 mm ground clearance fully loaded (without Variable Ride Height).

Do not drive in water that is deeper than 20 inches (50 cm). If you must drive through water up to that depth, do so at a walking speed and do not stop.

After leaving the water, press on the footbrake gently several times while driving at a low speed. The brake pads will help to dry the brake discs, thus preventing a reduction in braking performance caused by the water.

### Back onto the paved road

In recommending that you observe the following points after driving on adverse road surfaces, it is not as a "beauty treatment" for your BMW. Instead, it is intended for the maintenance of driving safety:

- ▷ Clean accumulations of dirt from the body and check the undercarriage for damage
- ▷ Clean mud, snow, ice and other materials from the wheels and tires. Check the tires for damage
- ▷ Check to determine whether rocks, gravel or accumulations of dirt on the brake rotors and calipers could influence braking performance. Remove all such foreign objects
- ▷ In order to clean the brake rotors, apply the footbrake gently several times while driving at a low speed. Be sure that following traffic is not endangered by this
- ▷ For cleaning the parking brake, apply the lever slightly at approx. 25 mph (40 km/h) and continue to drive for approx. 200 yards (200 meters), provided that traffic conditions allow you to do so.

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area cover:  
Do not place heavy or hard objects on the  
floor area cover. These objects  
could endanger vehicle occupants  
during heavy brake applications or  
emergency maneuvers.  
Hooks:  
When suspending articles of clothing  
on hooks, be sure that they will  
not obstruct the driver's vision. Do not  
place heavy objects on the hooks. If you  
do, they could cause personal injury  
during braking or evasive maneuvers. ◀

## Antilock Brake System (ABS)

### The concept

The Antilock Brake System (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 the 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.

## brakes


When the vehicle is driven only occasionally, during extended periods when the vehicle is not used at all, and in driving conditions where brake applications are less frequent, there is an increased tendency for corrosion of the brake pads and accumulation of contamination on the brake pads. This occurs because the minimal pressure which is normally exerted by the pads to clean the discs by brake applications is not maintained.

If the brake rotors are corroded, they will not respond to braking with a normal braking effect which even extended driving will fail to cure.


When driving in wet conditions and in rain, it is advisable to apply light pressure to the brake pedal from time to time. Watch traffic conditions to ensure that this maneuver does not endanger other road users. The heat generated by the brake applications helps to dry the brake pads and the braking force is then immediately available when required.

On steep or mountain descents, the vehicle should be driven in the gear in which minimal periodic brake application is required. This avoids excessive strain

on the brakes and possible impairment of the braking effect.

 Do not coast with the clutch depressed or with the transmission or selector lever in neutral. Do not drive with the engine switched off. The engine provides no braking effect when the clutch is depressed or the transmission is in neutral, and there is no power-assist for braking or steering when the engine is not running. Have brake inspections performed at a BMW Sports Activity Vehicle center only. If you do not, parts of the four-wheel drive system could be damaged. Never allow floor mats, carpets or any other objects to protrude into the area around the accelerator, clutch and brake pedals and obstruct their movement. ◀

### Brake pads

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

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## condition




### Tread - Tire damage

Check your tires frequently for tread signs of damage and for foreign objects lodged in the tread. Check the tread pattern depth.

Tread depth should not be allowed to fall below 0.12 in (3 mm), even though the legally specified minimum tread depth is 0.063 in (1.6 mm). Tread wear indicators (arrows) are embedded in the grooves of the tire's tread. Their locations are indicated by the legend TWI - Tread Wear Indicator - at various points on the tire's shoulder. When the tread depth reaches a depth of 0.063 in (1.6 mm), the wear indicators appear to signal that the tread has worn to the minimum level. Below 0.12 in (3 mm) tread depth there is an increased risk of hydroplaning, even at relatively

moderate speeds and with only small amounts of water on the road.

 Do not drive on a deflated (flat) tire. A flat tire greatly impairs steering and braking response, and can lead to complete loss of control over the vehicle.

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

Unusual vibrations encountered during normal vehicle operation can indicate a flat tire or some other vehicle malfunction. The 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.



## replacement

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maintain good handling and vehicle response, use only tires of a single configuration from a single manufacturer. BMW tests and approves wheel/tire combinations.

### Quality Grades

wear  
on AA A B C  
temperature A B C

All passenger vehicle tires must conform to Federal Safety Requirements in addition to these standards. ◀


### Wear

Wear grade is a comparative measure based on the wear rate of the tire tested under controlled conditions on a specified government test course.

For example, a tire graded 150 would wear one and one-half (1 ½) times as fast 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 vary significantly from the norm due to variations in driving habits, service conditions and differences in road characteristics and climate.

### Traction

The traction grades, from highest to lowest, are AA, A, B, and C. Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

 The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, aquaplaning, or peak traction characteristics. ◀

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### **on Tire Quality Grading**

grades can be found where  
le on the tire sidewall between  
oulder and maximum section  
or example:

ear 200  
AA  
ature A

not use retreaded tires, since  
ving safety may be impaired by  
e. This is due to the possible  
s in casing structures and, in  
ses, to their extreme age,  
an lead to a decrease in their  
y. ◀

### **Tire age**

The date on which the tire was manu-  
factured is indicated by the code on the  
sidewall:

DOT ... 4101 indicates that the tire was  
manufactured in week 41 of 2001.

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

The correct wheel and tire combination affects different systems (ABS, ATC and DSC). The function of these systems is impaired if you use different wheel and tire combinations.

For this reason, use only tires of the same brand and tread pattern on the same axle. For example, restore the original wheel and tire combination after a flat tire as soon as possible. ◀

The use of rims and lug bolts that do not meet the specifications of the original factory-installed equipment can affect the safe operation of your vehicle and may cause an accident and personal injury.

Mixing tires of different design, such as steel-belted radials with radial bias-ply tires, etc. Mixing tire brands will adversely affect roadholding and may lead to loss of vehicle control. ◀

## Storage

Store tires in a cool, dry place, protecting them against light whenever possible. Protect the tires against contact with oil, grease and fuel.

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## Snow chains\*

### Do not exceed specified maximum speeds

Never exceed the maximum speed which the tires are rated.

Unprofessional attempts by laymen to remove snow chains can lead to damage and personal injury.

Removal and installation work performed by skilled professionals only. Your BMW Sports Activity Vehicle center will be glad to assist you with both their expertise and proper equipment for your vehicle. ◀

### Check tire condition, tire pressure

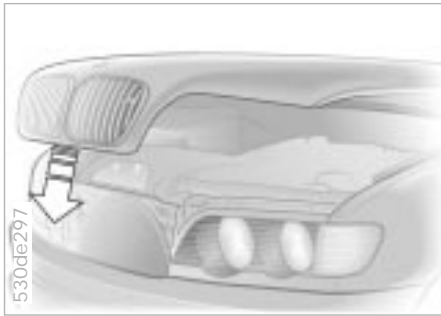
Tires display a perceptible loss in grip and ability to cope with winter driving conditions once the tread wears to 1.6 mm (0.063 in) (4 mm), and should thus be replaced.

Always drive with the specified tire inflation pressures – and be sure to have the wheels and tire assemblies balanced before you change the tires.

The use of narrow-link BMW snow chains is approved only in pairs on the rear wheels and only with tire size 235/65 R 17. Comply with all manufacturer's safety precautions when mounting the chains. Do not exceed a maximum speed of 30 mph (50 km/h).




open  
the release handle and open the



### To close

Allow the hood to fall from a height of about 12 in (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, as with all closing procedures.

If it is determined that the hood is not completely closed while driving, stop immediately and close it securely. ◀

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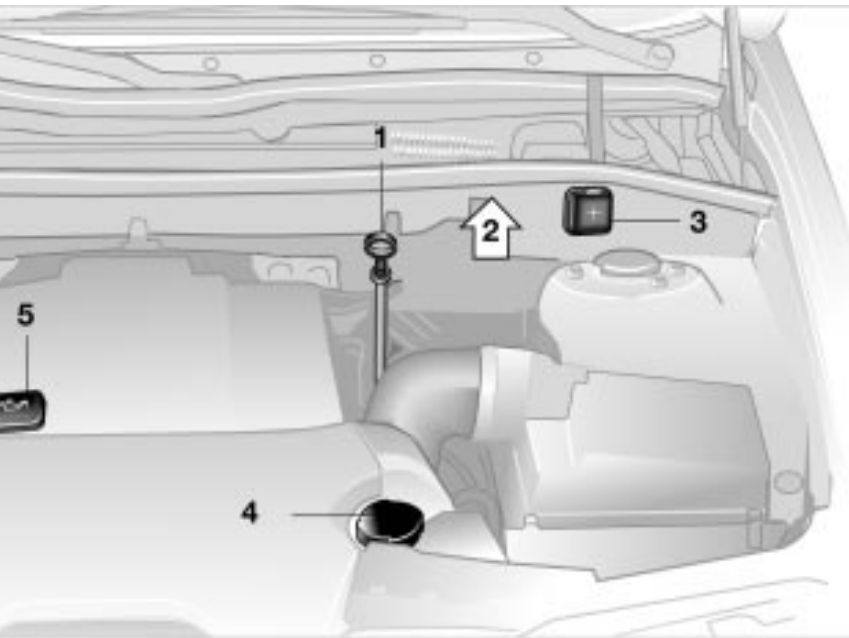
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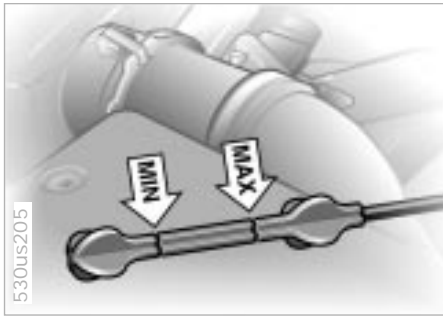
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ary terminal for jump  
ing 164  
nt expansion tank 145

5 Engine oil filler neck 143  
6 Reservoir for windshield and  
headlamp washer system\* 143



### Checking oil level

1 Park the vehicle on a level surface  
2 Switch the engine off after it has reached normal operating temperature.

3 Wait approx. 5 minutes, pull the dipstick out and wipe it off with a lint-free cloth, paper towel, or similar material

4 Push the dipstick carefully all the way into the guide tube and pull it out again

5 The oil level should be in between the two marks on the dipstick.

6 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 quarts (1 liter). Do not fill beyond the upper mark on the dipstick. Excess oil will damage the engine

BMW X5 4.6is:  
If the vehicle's performance reserves are used extensively (high-performance driving) the oil level should be maintained at the upper graduation on the dipstick.

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Continuous exposure to used oil  
has caused cancer in laboratory  
animals. 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  
products so that they are inaccessible  
to children. Comply with warning labels  
and information on containers. ◀

Comply with the applicable envi-  
ronmental laws regulating the  
use of used oil. ◀

### Approved engine oils

The quality of the engine oil selected  
has great significance for the opera-  
tional service life of an engine. Based  
on extensive testing, BMW has  
approved only certain engine oils.  
Only approved "BMW High Perfor-  
mance Synthetic Oil."

If you are unable to obtain "BMW High  
Performance Synthetic Oil," you can  
use small amounts of synthetic oil in  
between oil changes. Use only oils with  
an API specification or higher.



Ask your BMW Sports Activity  
Vehicle center for details  
concerning the specific "BMW High  
Performance Synthetic Oil" or  
"synthetic oils" which have been  
approved. ◀

You can also call BMW of North  
America at 1-800-831-1117 or visit this  
website: [www.bmwusa.com](http://www.bmwusa.com) to obtain  
this information.

### Viscosity ratings

Viscosity is the oil flow rating as estab-  
lished in SAE classes.

The selection of the correct SAE class  
depends on the climatic conditions in  
the area where you typically drive your  
BMW.



Approved oils are in SAE classes  
5W-40 and 5W-30. ◀

These oils may be used for driving in all  
ambient temperatures.






### Checking coolant level and adding coolant

Check coolant level when the engine is cool (approx. +68 °F (+20 °C)):

1. Turn the cap of the expansion tank counterclockwise. Pause to allow any accumulated pressure to escape, then open the cap.

2. The coolant level is correct when the top of the red float is aligned with the upper edge of the filler opening (indicated by the arrow in the illustration), or a maximum of 0.8 in (2 cm) higher, i. e. up to the mark on the float (refer also to the schematic diagram, next to the illustration).

3. If necessary, add coolant. Slowly add coolant until the correct level is reached – do not overfill.

 Comply with the applicable environmental laws regulating the disposal of extended-duty antifreeze with corrosion inhibitor. ◀

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Brake fluid is hygroscopic, that is, it absorbs moisture from the air over time.

To ensure the safety and reliability of the brake system, have the brake fluid changed every two years by a qualified Sports Activity Vehicle center. Refer to the Service and Warranty Information Booklet (US models) or the Maintenance and Service Guide Booklet (other models).

Brake fluid is toxic and damages the body's paint. You should always store brake fluid in its original container and in a location that is out of reach of children. Do not spill the fluid and do not fill the brake fluid reservoir beyond the "MAX" mark. 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. ◀

## Mileage Interval Display

Traditional systems rely solely on the distance traveled to determine when maintenance is due. The BMW Maintenance System, on the other hand, began many years ago to take the actual conditions into account, such as the terrain on which the vehicle is driven into consideration. After all, different drivers accumulate mileage in very different ways.

From the point of view of maintenance, 100,000 miles (100,000 km) accumulated through short-distance urban driving are not equivalent to the same distance traveled at moderate speeds in long-distance highway travel.


The BMW Maintenance System includes the Engine Oil Service and Intervals I and II.

Determining the maintenance intervals according to the actual loads on the engine covers every kind of operating condition. However, even those who only travel short distances – significantly less than 6,000 miles (10,000 km) annually – should have the engine oil changed at least every 2 years since oil degrades over time, regardless of

## Service and Warranty Information Booklet (US models)/Warranty and Service Guide Booklet (Canadian models)

For additional information on maintenance intervals and procedures, please refer to the Service and Warranty Information Booklet (US models) or the Warranty and Service Guide Booklet (Canadian models).

As a precaution against corrosion, it is advisable to have the body checked for damage from rocks or gravel at the same time, depending upon operating conditions.

 Have your BMW Sports Activity Vehicle center do the maintenance and repair.

Be sure that all maintenance work is confirmed in the Service and Warranty Information Booklet (US models) or the Warranty and Service Guide Booklet (Canadian models).

These entries will constitute your proof that the vehicle has received regular maintenance. They are also required for warranty claims. ◀

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## California Proposition 65 Warning


California laws require us to state the following warning:

Engine exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. ◀

An illuminated lamp informs you of the need for service, not of the need to stop the vehicle. However, the systems should be serviced by your BMW Sports Activity Vehicle center at the earliest possible opportunity.

Under certain conditions, the indicator will blink or flash. This indicates a rather severe level of engine misfire. When this occurs, you should reduce speed and consult the nearest BMW Sports Activity Vehicle center as soon as possible. Severe engine misfire over a short period of time can seriously damage emission control components, especially the catalytic converter.

Service Engine Soon warning lamp for Canadian models.

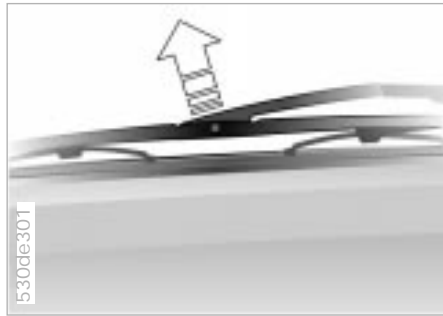
 When the filler cap is not properly tightened, the OBD system can detect the vapor leak and the indicator will light up. If the filler cap is subsequently tightened, the indicator should go out within a few days. ◀

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## Windshield wiper blades



1. Lift the wiper to a fold-out position (see page 69)  
2. Lift the wiper arm and press the spring (arrow)  
3. Remove the wiper blade off toward the wiper arm  
4. Insert the new blade and snap it into the wiper arm

### Rear

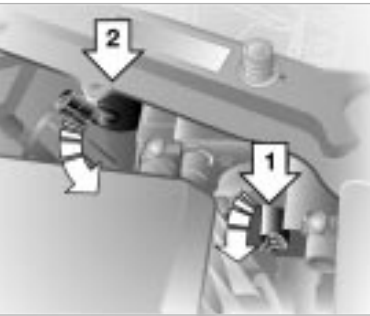
1. Hold the wiper blade on the window and remove/unclip the wiper arm at the articulated joint (arrow)
2. Insert a new wiper blade and press it on/clip it into the wiper arm.



Use only wiper blades approved by BMW. ◀

5. Lower the wipers back down onto the windshield before you turn the key to position 1 or 2 again. If not, they could be damaged. ◀






1. Turn the bulb holder to the left (arrow) and remove
2. Remove and replace the bulb.

### High beams

HB3 bulb, 60 watts

 The bulb is pressurized. Therefore, wear safety glasses and protective gloves. Failure to comply with this precaution could lead to injury if the bulb is accidentally damaged during replacement. ◀

1. Turn the bulb holder to the left and remove
2. Disconnect the plug
3. Plug the new bulb into the plug connector. Be sure that it is securely engaged
4. Install in the opposite order.

right side of the engine compart-

y beams  
n beams

For checking and adjusting head-  
lamp aim, please contact your  
Sports Activity Vehicle center. ◀

### beams

lb, 55 watts

The bulb is pressurized. There-  
fore, wear safety glasses and  
protective gloves. Failure to comply  
with this precaution could lead to injury  
if the bulb is accidentally damaged  
during replacement. ◀

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## **lamps\***

operating life of these lamp units is  
very long and the likelihood of  
failure is very low, provided that they are  
switched on and off a very great  
number of times. If one of these bulbs  
nevertheless fail, it is possible to  
continue driving with great caution  
using the fog lamps, provided traffic  
regulations in your area do not prohibit this.

Because of the extremely high  
voltages involved, any work on the  
lighting system should be carried  
out by technically-qualified personnel.  
Failure to comply with this creates  
a risk of fatal injury. ◀

## **Signal indicators/Standing (side marker lamps), front**

Incandescent bulb, 28/8 watts

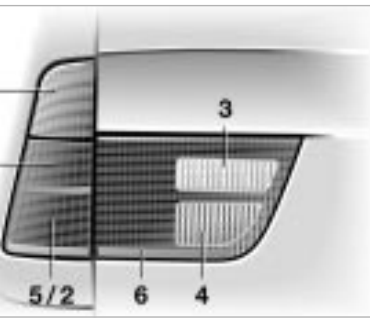
Contact a BMW Sports Activity  
center in case of a malfunction.



## **Side turn signal indicators**

5 watt bulb

1. Use finger pressure against the rear end of the lamp (arrow) to press it forward for removal
2. Press gently on the bulb and turn it to the left to remove it
3. Replace the bulb.



### Lamp assembly

lamp 2:	21/5 watt bulb
turning bulbs:	21 watts
turn signal	
indicator	yellow or white
turn lamps/	
side marker lamps	red
pickup lamps	white
brake lamps	red
reflector	red

### Lamps in the side panel:

1. Open the cover in the side panel
2. Lift the side panel if necessary
3. Press gently on the bulb holder and turn it to the left to remove it
4. Remove the bulb.

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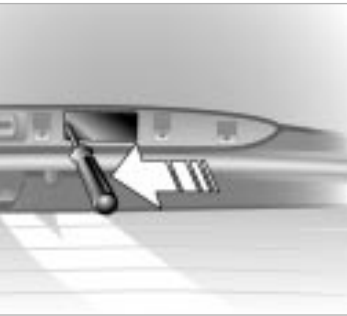
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## Changing a wheel



### Headlight lamps

Remove the lamp out to the side with a screwdriver. Remove the lamp and replace the

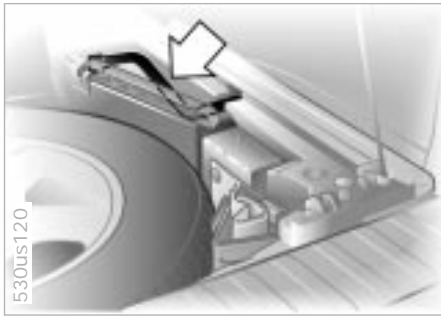
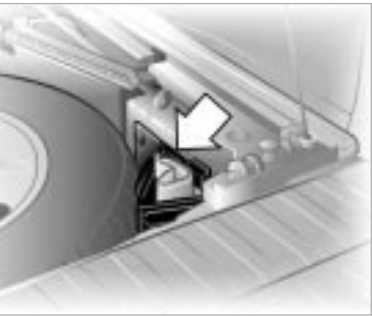
 Safety measures in the event of a flat tire or wheel change: stop the vehicle as far as possible from passing traffic. Park on a firm, flat, surface. Switch on the hazard warning flashers. Turn the steering wheel to the straight-ahead position, remove the key and engage the steering lock. Shift into 1st or reverse (selector lever in "Park" with automatic transmission) and engage the parking brake.

All passengers should be outside the vehicle and well away from your immediate working area (behind a guardrail, for instance).

If a warning triangle or portable hazard warning lamp is required, set it up on the roadside at an appropriate distance from the rear of the vehicle.

Comply with all safety guidelines and regulations.

Change the wheel only on a level, firm surface which is not slippery. Avoid jacking the vehicle up on a soft or slippery surface (snow, ice, very smooth surfaces, etc.), since it could slide sideways.



### Tools you will need

Refer to the maintenance manual for more information. To avoid rattling noises later, return the tools to their original position when you are through with them.

Two wedges (wheel chocks) are provided in the cargo area, fold up the floor cover or pull-out cargo floor, refer to page 125 or 126. Pull out the wedges (arrow) next to the spare wheel.

- ▷ Lug wrench  
Is located next to the spare wheel

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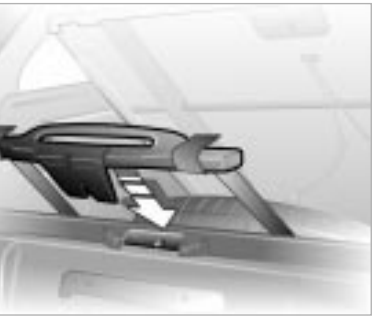
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Remove the rubber band from the jack (arrow) and take out the jack. After you have completed work, push the jack all the way back into the wheel well, remove the handle and insert it into its holder.

### Spare wheel

1. Loosen the wing nut 1
2. Remove the plate 2 to the side
3. Unscrew the threaded rod 3 completely.



Push both buckles into the latch of the tailgate (arrow); the tailgate is raised.



4. Remove the support rod from the bracket.

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Insert the support rod in the tailgate and press down until it engages (arrow 1); then lock hook of rod in place (arrow 2)

Make sure that the support rod is locked firmly in place. If you fail to do so, the tailgate could retract sharply upward and cause personal injury and vehicle damage.

You can now release the locked tailgate and take the spare wheel down from the tailgate. It is recommended that you leave the tailgate locked into the open position until you have completed the tire change and placed the wheel into the vehicle's spare tire aid.

### Procedure


1. Read carefully and comply with the safety precautions on page 156
2. Secure the vehicle to prevent it from rolling:  
Place the wedges (chocks) behind the wheels on the side opposite the side you are lifting. If the vehicle is parked on a downward slope, place the wedges securely in front of the wheels. If the wheel must be changed on a surface with a more severe slope, take additional precautions to secure the vehicle from rolling
3. Loosen the lug bolts 1/2-turn
4. Insert the jack handle into the jack (refer to the illustration in the next column)



Position the spare wheel. Secure the wheel by turning at least two lug bolts into opposite bolt holes and tighten the remaining lug bolts. Tighten all the bolts securely. Lower the jack and remove it from beneath the vehicle. Tighten the lug bolts in a diagonal pattern. Check and correct the tire inflation pressure at the earliest opportunity. Vehicles with Tire Pressure Monitor (DC): After mounting the spare tire or correcting the tire inflation pressure, reactivate the system, refer to page 98.

The vehicle jack is designed for changing wheels only. Do not use it to raise another vehicle model or to raise any load of any kind. This could cause accidents and personal injury. To ensure continued safety, have the tightness of the lug bolts checked with a calibrated lug wrench [torque specification: 101 lb-ft (140 Nm)] at the earliest opportunity. ◀

Store the wheel and the tools in the order opposite that for removal.

 Before removing the support rod, be sure that the tailgate is held down firmly. If you fail to do so, it could retract sharply upward and cause personal injury and vehicle damage. After you remove the rod, close the tailgate carefully. Continue to hold it firmly until it is completely closed. ◀

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.

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ry

attery posts, terminals and  
ated accessories contain lead  
compounds. Wash hands after  
j. ◀

### Maintenance

attery is maintenance-free, that is,  
nal electrolyte will normally last  
ervice life of the battery under  
e climatic conditions.

r all questions that regard the  
attery, please consult your  
ports Activity Vehicle center.  
e battery is maintenance-free,  
wing is for your information

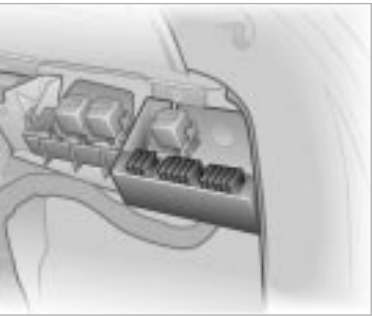
not disconnect the battery  
en the engine is running. If  
so, the ensuing voltage surge  
age the vehicle's onboard elec-  
◀

### Charging the battery

Charge the battery in the vehicle only  
when the engine is not running. Use the  
connections provided in the engine  
compartment (for correct connections,  
refer to "Jump-starting" on page 164).



Return used batteries to a recy-  
cling point or your BMW Sports  
Activity Vehicle center. Maintain the  
battery in an upright position for trans-  
port and storage. Secure the battery  
against tilting during transport. ◀



### the cargo area

the right cover by pulling the  
E.

Do not attempt to repair a burned  
fuse or replace it with a fuse  
of a different color or ampere  
rating. To do this could cause a fire in  
the vehicle resulting from a circuit over-

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Be sure that the battery on the support vehicle is also rated at 600 CCA. This information is provided on the top of the battery casing. Do not disconnect your battery from the vehicle's electrical system. Turn off all electrical accessories in both vehicles. Be absolutely certain that there is no contact between the bodywork of the two vehicles – short circuiting the engine on the support vehicle and allow it to run.



5. Use one jumper cable (+) to connect the positive terminal of the battery in the support vehicle with the auxiliary positive terminal provided in the engine compartment of your BMW specifically for jump starting. The cover on this auxiliary terminal is identified by a "+" symbol, refer to the illustration. To remove the cover, tip up the cap (arrow)

Start the support vehicle's engine and let it run at an increased idling speed for a few minutes. Start the engine on the vehicle needing the jump-start, and allow it to run as normal. If the first start attempt is not successful, wait a few minutes before another attempt in order to allow the discharged battery to recharge. Before disconnecting the jumper cables let the engines run for a few minutes. Then disconnect the jumper cables in reverse sequence.

Depending on the cause of the fault, the battery recharged by your Sports Activity Vehicle center.

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Remove the cover off.

Tighten the tow fittings in until they are tight. If you do not, the threads could be damaged.

Do not tow the vehicle by any component, the running gear, or lash them in any way. If you do so, the components could be damaged, leading to possible accidents. ◀

Use a nylon towing strap to tow the vehicle, since the inherent resilience of this material helps protect both vehicles from sudden jerking move-

 Avoid "off-center" towing. Be sure that the tow rope is pulled tightly when the towing vehicle begins to move. ◀

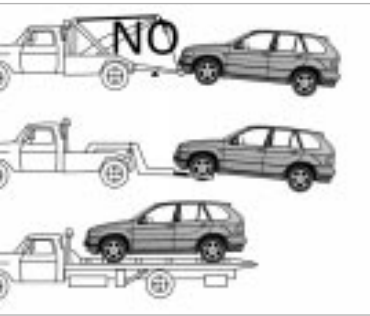
 The towed vehicle should always be the lighter of the two vehicles. If this is not the case, it is no longer possible to control vehicle response. ◀

### Tow-starting

It is not possible to start the engine of a vehicle equipped with an automatic transmission by towing or pushing.

For instructions on jump starting refer to page [164](#).

Never attempt to use your vehicle to push another vehicle. If you do so, damage to the energy-absorbing bumpers could result.




### Towing with a commercial tow

Do not tow with sling-type equipment or a wheel-lift or flatbed carrier unless you comply with applicable towing regulations.

Never allow passengers to ride in a towed vehicle for any reason. ◀

### Towing with a raised axle

1. Place the gearshift lever or selector lever in "Neutral"
2. Turn the ignition key to position 0 or take it out
3. Towing speed:  
Maximum 30 mph (50 km/h)
4. Towing distance:  
Maximum 95 miles (150 km).

 Remove the rear driveshaft for longer towing distances with the front axle lifted; remove the front driveshaft for towing over longer distances with the rear axle lifted. Failure to comply with this will result in damage to the transfer box. ◀

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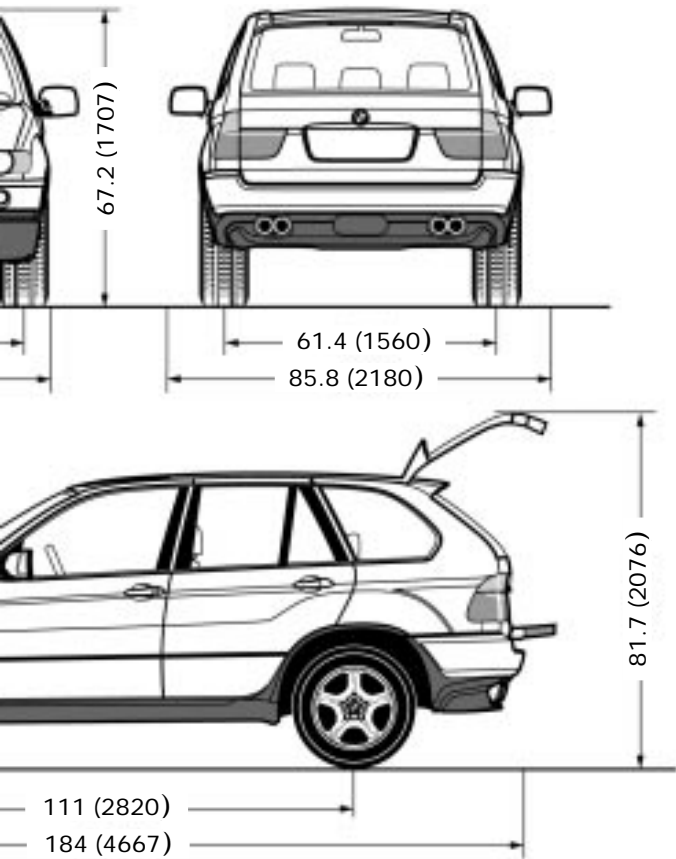
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BMW X5 3.0i	BMW X5 4.4i	BMW X5 4.6is
181.8 (2979) 6	268.4 (4398) 8	281.9 (4619) 8
225 5900	290 5400	340 5700
214 (290) 3500	324 (440) 3600	350 (475) 3700
10.2	10.0	10.5
3.53 (89.6) 3.31 (84)	3.26 (82.7) 3.62 (92.0)	3.35 (85.0) 3.66 (93.0)
Digital electronic engine-management system		

an appropriate chassis dynamometer.



with Variable Ride Height: 67.2 (1,707); without Variable Ride Height:  
 with Variable Ride Height: 68.5 (1,740); without Variable Ride  
 X5 3.0i: 62.0 (1,576); X5 4.6is: front 61.7 (1,566), rear 62.8 (1,596).  
 ing circle dia.: 39.7 ft (12.1 meters)

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	BMW X5 3.0i	BMW X5 4.4i	BMW X5 4.6is
(, full tank of fuel, options not included)			
	4533 (2056)	-	-
	4586 (2080)	4824 (2188)	4824 (2188)
	6005 (2724)	-	-
	6005 (2724)	6005 (2724)	6005 (2724)
	2787 (1264)	2787 (1264)	2787 (1264)
	3307 (1500)	3307 (1500)	3307 (1500)
		220 (100)	
the gross vehicle weight.			
	16.4 – 54.4 (465 – 1540) – according to DIN		
	69.04 (1955) – according to SAE		

	Notes
s) s) approx. 24.6 (approx. 93) approx. 2.0 (approx. 8) – BMW X5 3.0i approx. 2.5 (approx. 10) – BMW X5 4.4i, 4.6is	Fuel specification: page <a href="#">25</a>
ers) approx. 8.2 (approx. 7.8)	For details: page <a href="#">143</a>
ers) 11.1 (10.5) – BMW X5 3.0i 13.7 (13.0) – BMW X5 4.4i, 4.6is	For details: page <a href="#">145</a>
ers) 8.0 (7.5) – BMW X5 3.0i 8.5 (8.0) – BMW X5 4.4i, 4.6is	"BMW High Performance Synthetic Oil" For details: page <a href="#">144</a>
-	Lifetime fluid, no fluid change required

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






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## Fueling

BMW recommends 

ation	
-------	--

Enter your preferred fuel here.

## Oil

y	
---	--

The volume between the two marks on the oil dipstick corresponds to approximately 1.1 US quarts (1 liter).

## Inflation pressures

	Summer		Winter	
	Front	Rear	Front	Rear
ons				
ons or 4 plus luggage				



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