IBIZA OWNER'S MANUAL

2505 JCI

Foreword

This Instruction Manual and its corresponding supplements should be read carefully to familiarise yourself with your vehicle.

Besides the regular care and maintenance of the vehicle, its correct handling will help preserve its value.

For safety reasons, note the information concerning accessories, modifications and part replacements.

If selling the vehicle, give all of the on-board documentation to the new owner, as it should be kept with the vehicle.

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Manual structure

What you should know before reading this manual

This manual contains a description of the **equipment** supplied with the vehicle at the time of press. Some of the equipment hereunder described will not be available until a later date, or is only available in certain markets.

Due to the fact that this is a general manual for the IBIZA, some of the equipment and functions that are described in this manual are not included in all types or variants of the model; they may be different or be modified depending on the technical requirements and on the market; this should in no way be interpreted as misleading advertising.

The **illustrations** are intended as a general guide and may vary from the equipment fitted in your vehicle in some details.

The **direction indications** (left, right, front, rear) appearing in this manual refer to the normal forward working direction of the vehicle except when otherwise indicated.

The equipment marked with an asterisk** is fitted as standard only in certain versions, and is only supplied as optional extras for some versions, or are only offered in certain countries.

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▶ Indicates that the section is continued on the following page.

■ Indicates the **end of a section**.

WARNING

Texts preceded by this symbol contain information on safety. They warn you about possible dangers of accident or injury.

Caution

Texts with this symbol draw your attention to potential sources of damage to your vehicle.

For the sake of the environment

Texts preceded by this symbol contain additional information on the protection of the environment.

Note

Texts preceded by this symbol contain additional information. ■

Content

This manual is structured to provide the information you need in an organised way. The content of this Manual is divided into **sections** which belong to **chapters** (e.g. “Air conditioning”). The entire manual is divided into five large parts which are:

1. Safety first

Information on the vehicle equipment relating to passive safety such as seat belts, airbags, seats, etc.

2. Operating instructions

Information about the distribution of controls in the driver position of your vehicle, about the seat adjustment possibilities, about how to create a suitable climate in the passenger compartment, etc.

3. Practical tips

Advice relating to the driving, caring and maintenance of your vehicle and certain problems you can solve yourself.

4. Technical data

Figures, values and the dimensions of your vehicle.

5. Alphabetic index

At the end of this manual there is a detailed alphabetical index, this will help you to rapidly find the information you require. ■

Safety first

Safe driving

Brief introduction

Dear SEAT Driver

Safety first!

This chapter contains important information, tips, suggestions and warnings that you should read and consider for both your own safety and for your passengers' safety.

WARNING

- **This manual contains important information about the operation of the vehicle, both for the driver and the passengers. The other sections of the owner's manual also contain further information that you should be aware of for your own safety and for the safety of your passengers.**
- **Make sure that owner's manual is kept in the vehicle at all times. This is especially important when lending or selling the vehicle to another person.** ■

Safety equipment

The safety equipment is a part of the occupant protection system and can reduce the risk of injury in the event of accident.

Never put your safety or the safety of your passengers in danger. In the event of an accident, the safety equipment may reduce the risk of injury. The following list includes most of the safety equipment in your SEAT:

- three-point seat belts,
- belt tension limiter for the front and rear side seats,
- belt tensioners for the front seats,
- front airbags,
- side airbags in the front seat backrests,
- “ISOFIX” anchor points for “ISOFIX” rear child system,
- height-adjustable head restraints,
- rear-centre head restraints with in-use position and non-use position,
- adjustable steering column.

The safety equipment mentioned above works together to provide you and your passengers with the best possible protection in the event of an accident. However, these safety systems can only be effective if you and your passengers are sitting in a correct position and use this equipment properly.

Therefore, information is provided about why this equipment is so important, how it protects you, what you have to consider when using it and how you and your passengers can achieve the greatest possible benefit from the safety ▶

equipment fitted. This manual includes important warnings that you and your passengers should note in order to reduce the risk of injury.

Safety is everyone's business! ■

Before setting off

The driver is responsible for the safety of the passengers and the safe operation of the vehicle.

For your own safety and the safety of your passengers, always note the following points before every trip:

- Make sure that the vehicle's lights and turn signals are working properly.
- Check tyre pressure.
- Ensure that all windows provide a clear and good view of the surroundings.
- Secure all baggage ⇒ page 15.
- Make sure that no objects can interfere with the pedals.
- Adjust front seat, head restraint and mirrors properly according to your size.
- Ensure that the passenger in the central rear seat always has the head restraint in the correct position for use.
- Instruct passengers to adjust the head restraints according to their height.
- Protect children with appropriate child seats and properly applied seat belts ⇒ page 38.
- Assume the correct sitting position. Instruct your passengers also to assume a proper sitting position ⇒ page 9.
- Fasten your seat belt securely. Instruct your passengers also to fasten their seat belts properly ⇒ page 16. ■

What affects driving safety?

Driving safety is largely determined by your driving style and the personal behaviour of all occupants.

As a driver, you are responsible for yourself and your passengers. When your concentration or driving safety is affected by any circumstance, you endanger yourself as well as others on the road ⇒ ⚠, for this reason:

- Do not allow yourself to be distracted from the traffic around you, e.g. by passengers or telephone conversations.
- Never drive when your driving ability is impaired (e.g. by medication, alcohol, drugs).
- Observe traffic laws and speed limits.
- Always reduce your speed as appropriate for road, traffic and weather conditions.
- When travelling long distances, take breaks regularly - at least every two hours. ▶

– If possible, avoid driving when you are tired or are in tension.

WARNING

When driving safety is impaired during a trip, the risk of injury and accidents increases. ■

Proper sitting position for occupants

Proper sitting position for driver

The proper sitting position for the driver is important for a safe and relaxed driving.

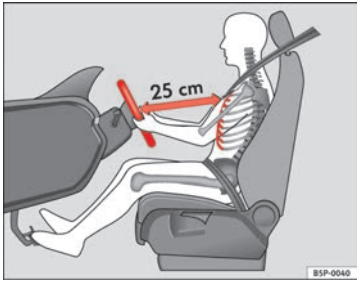

Fig. 1 The proper distance between driver and steering wheel

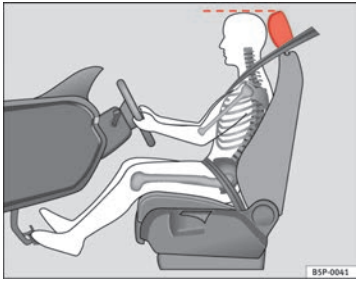

Fig. 2 Proper head restraint position for driver

For your own safety and to reduce the risk of injury in the event of an accident, we recommend the following adjustments for the driver:

– Adjust the steering wheel so that there is a distance of at least 25 cm between the steering wheel and the centre of your chest ⇒ fig. 1.

– Move the driver seat forwards or backwards so that you are able to press the accelerator, brake and clutch pedals to the floor with your knees still slightly angled ⇒ ⚠.

– Ensure that you can reach the highest point of the steering wheel.

– Adjust the head restraint so that its upper edge is at the same level as the top of your head, or as close as possible to the same level as the top of your head ⇒ fig. 2.

– Move the backrest to an upright position so that your backrests completely against it.

– Fasten your seat belt securely ⇒ page 16.

– Keep both feet in the footwell so that you have the vehicle under control at all times.

Adjustment of the driver seat ⇒ page 102.

WARNING

- **An incorrect sitting position of the driver can lead to severe injuries.**
- **Adjust the driver seat so that there is at least 25 cm distance between the centre of the chest and the centre of the steering wheel ⇒ page 9, fig. 1. If distance is less than 25 cm, the airbag system may not protect you properly.**
- **If your physical constitution prevents you from maintaining the minimum distance of 25 cm, contact a qualified workshop. The workshop will help you decide if special specific modifications are necessary.**
- **When driving, always hold the steering wheel with both hands on the outside of the ring at the 9 o'clock and 3 o'clock positions. This reduces the risk of injury when the driver airbag is triggered.**
- **Never hold the steering wheel at the 12 o'clock position, or in any other manner (e.g. in the centre of the steering wheel). In such cases, if the airbag is triggered, you may sustain injuries to the arms, hands and head.**
- **To reduce the risk of injury to the driver during sudden braking manoeuvres or an accident, never drive with the backrest tilted far back! The airbag system and seat belts can only provide optimal protection when the backrest is in an upright position and the driver is wearing his or her seat belt properly. The further the backrests are tilted to the rear, the greater the risk of injury due to incorrect positioning of the belt web or to the incorrect sitting position!**
- **Adjust the head restraint properly to achieve optimal protection.** ■

Proper sitting position for front passenger

The front passenger must sit at least 25 cm away from the dash panel so that the airbag can provide the greatest possible protection in the event that it is triggered.

For your own safety and to reduce the risk of injury in the event of an accident, we recommend the following adjustments for the front passenger:

– Move the front passenger seat back as far as possible ⇒ ⚠.

– Move the backrest to an upright position so that your backrests completely against it.

– Adjust the head restraint so that its upper edge is at the same level as the top of your head, or as close as possible to the same level as the top of your head ⇒ page 12.

– Keep both feet in the footwell in front of the front passenger seat.

– Fasten your seat belt securely ⇒ page 16.

It is possible to deactivate the passenger airbag in **exceptional circumstances** ⇒ page 36.

Adjusting the front passenger seat ⇒ page 105.

WARNING

- **An incorrect sitting position of the front passenger can lead to severe injuries.**
- **Adjust the front passenger seat so that there is at least 25 cm between your breastbone and the dash panel. If distance is less than 25 cm, the airbag system may not protect you properly.**

WARNING (continued)

- **If your physical constitution prevents you from maintaining the minimum distance of 25 cm, contact a qualified workshop. The workshop will help you decide if special specific modifications are necessary.**
- **Always keep your feet in the footwell when the vehicle is moving; never rest them on the dash panel, out the window or on the seat. An incorrect sitting position exposes you to an increased risk of injury in case of a sudden braking or an accident. If the airbag is triggered, you could sustain severe injuries due to an incorrect sitting position.**
- **To reduce the risk of injury to the front passenger in events such sudden braking manoeuvres or an accident, never travel with the backrest tilted far back! The airbag system and seat belts can only provide optimal protection when the backrest is in an upright position and the front passenger is wearing his or her seat belt properly. The further the backrests are tilted to the rear, the greater the risk of injury due to incorrect positioning of the belt web or to the incorrect sitting position!**
- **Adjust the head restraint properly in order to achieve maximum protection.** ■

Correct sitting position for passengers in the rear seats

Passengers in the rear seats must sit up straight, keep their feet on the footwells, have the rear central head restraint positioned for use and wear their seat belts properly.

To reduce the risk of injury in the event of a sudden braking manoeuvre or an accident, passengers on the rear bench seat must consider the following:

– Adjust the head restraint to the correct position ⇒ page 12.

– Keep both feet in the footwell in front of the rear seat.

– Fasten your seat belt securely ⇒ page 16.

– Use an appropriate child restraint system when you take children in the vehicle ⇒ page 38.

WARNING

- **If the passengers on the rear seat are not sitting properly, they could sustain severe injuries.**
- **Adjust the head restraint properly in order to achieve maximum protection.**
- **Seat belts can only provide optimal protection when backrests are in an upright position and the passengers are wearing their seat belts properly. If passengers on the rear seat are not sitting in an upright position, the risk of injury due to incorrect positioning of the seat belt increases.** ■

Correct adjustment of head restraints

Properly adjusted head restraints are an important part of passengers protection and can reduce the risk of injuries in most accident situations.

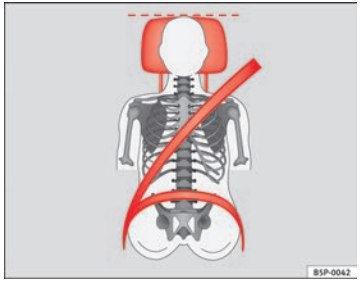

Fig. 3 Properly adjusted head restraint viewed from the front

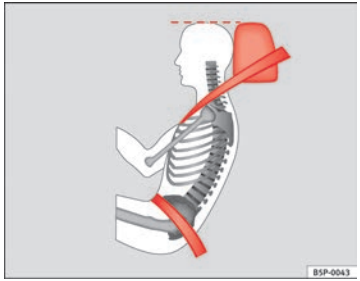

Fig. 4 Properly adjusted head restraint viewed from the side

Adjust the head restraint properly in order to achieve maximum protection.

– Adjust the head restraint so that its upper edge is at the same level as the top of your head or as close as possible to the same level as the top of your head and, at the very least, at eye level ⇒ fig. 3 and ⇒ fig. 4.

Adjusting the head restraints ⇒ page 103.

WARNING

- **Travelling with the head restraints removed or improperly adjusted increases the risk of severe injuries.**
- **Incorrectly adjusted head restraints could result in death in the event of a collision or accident.**
- **Incorrectly adjusted head restraints also increase the risk of injury during sudden or unexpected driving or braking manoeuvres.**
- **The head restraints must always be adjusted according to the passenger's height.** ■

Rear head restraints

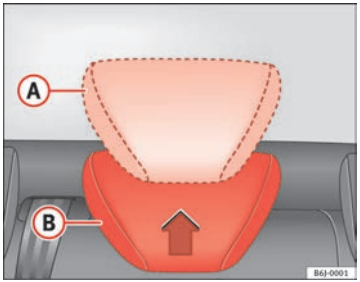

Fig. 5 Adjusting the rear head restraints

The rear head restraints have 2 positions:

- Raised position or position for use (A) ⇒ fig. 5. In this position, the head restraint is used normally, protecting the occupant of the rear seats, along with the rear seat belts.
- Rest position, not in use (B) ⇒ fig. 5. This position improves the driver's rear visibility.

To fit the head restraint in position for use (A), pull on the edges with both hands in the direction of the arrow. To place it in rest position (B), lower the head restraint.

WARNING

Whenever a passenger is seated on the rear central seat, the head restraint should be placed in the position for use (A).

Note

Note the instructions on the head restraints adjustment. ■

Examples of incorrect sitting positions

An incorrect sitting position can lead to severe injuries to occupants.

Seat belts can provide optimal protection only when the belt webs are properly positioned. Incorrect sitting positions substantially reduce the protective function of seat belts and increase the risk of injury due to incorrect seat belt position. As the driver, you are responsible for all vehicle occupants, especially children.

– Never allow anyone to assume an incorrect sitting position in the vehicle while travelling ⇒ ⚠.

The following list contains examples of sitting positions that could be dangerous for all occupants. The list is not complete, but we would like to make you aware of this issue.

Therefore, whenever the vehicle is in motion:

- Never stand in the vehicle,
- never stand on the seats,
- never kneel on the seats,
- never tilt your backrest far to the rear,
- never lean against the dash panel,
- never lie on the rear bench,
- never sit on the front edge of a seat,
- never sit sideways,

- never lean out of a window,
- never put your feet out of a window,
- never put your feet on the dash panel,
- never put your feet on the surface of a seat,
- do not allow anyone to travel in the footwell,
- never travel on a seat without wearing the seat belt,
- do not allow anyone to travel in the luggage compartment.

WARNING

- **Any incorrect sitting position increases the risk of severe injuries.**
- **Sitting in an incorrect position exposes the occupants to severe injuries if airbags are triggered, by striking a passenger who has assumed an incorrect sitting position.**
- **Before the vehicle moves, assume the proper sitting position and maintain it throughout the trip. Before every trip, instruct your passengers to sit properly and to stay in this position during the trip ⇒ page 9, "Proper sitting position for occupants".** ■

Pedal area

Pedals

The operation of all pedals must never be impaired by objects or floor mats.

– Ensure that you can always press the accelerator, brake and clutch pedals unimpaired to the floor.

– Ensure that the pedals can return unimpaired to their initial positions.

Use only floor mats which leave the pedal area free and can be securely fastened on the footwell.

If a brake circuit fails, the brake pedal must be pressed down thoroughly in order to stop the vehicle.

Wearing suitable shoes

Always wear shoes which support your feet properly and give you a good feeling for the pedals.

WARNING

- **Restricting pedal operation can lead to critical situations while driving.**
- **Never place objects on the driver footwell. An object could move into the pedal area and impair pedal operation. In the event of a sudden driving or braking manoeuvre, you will not be able to operate the brake, clutch or accelerator pedal. Risk of accident!** ■

Floor mats on the driver side

Only floor mats may be used which can be securely fastened in the footwell and do not impair operation of the pedals.

– Ensure that the floor mats are securely fastened during the trip and do not obstruct the pedals ⇒ ⚠.

Only use floor mats which leave the pedals clear and which are secured to prevent them from slipping. You can obtain suitable floor mats from a qualified dealership. ▶

WARNING

- **If the pedals are obstructed, an accident may occur. Risk of serious injuries.**
- **Ensure that the floor mats are always securely attached.**
- **Never lay or fit floor mats or other floor coverings over the original floor mats. This would reduce the pedal area and could obstruct the pedals. Risk of accident.** ■

Stowing luggage

Loading the luggage compartment

All luggage and other loose objects must be safely secured in the luggage compartment.

Unsecured objects which shift back and forth could affect safety or driving characteristics of the vehicle by shifting the centre of gravity.

– Distribute the load evenly in the luggage compartment.

– Lay and stow heavy luggage as far forward as possible in the luggage compartment.

– Stow heavy luggage as low as possible in the luggage compartment.

WARNING

- **Loose luggage and other objects in the luggage compartment could cause serious injuries.**

WARNING (continued)

- **Always put objects in the luggage compartment.**
- **During sudden manoeuvres or accidents, loose objects can be thrown forward, injuring vehicle occupants or even third parties. This increased risk of injury will be further increased if a loose object is struck by an inflating airbag. If this happens, objects can be transformed into "missiles". Risk of fatal injury.**
- **Please note that the centre of gravity may shift when transporting heavy objects; this may affect the vehicle's handling and lead to an accident. Therefore, it is essential to adjust your speed and driving style accordingly, to avoid accidents.**
- **Never exceed the allowed axle weights or allowed maximum weight. If the allowed axle load or the allowed total weight is exceeded, the driving characteristics of the vehicle may change, leading to accidents, injuries and damage to the vehicle.**
- **Never leave your vehicle unattended, especially when the tailgate is open. Children could climb into the luggage compartment, closing the door behind them; they will be trapped and run the risk of death.**
- **Never allow children to play in or around the vehicle. Close and lock all the doors and tailgate when you leave the vehicle. Before you lock the vehicle, make sure that there are no adults or children in the vehicle.**
- **Never transport passengers in the luggage compartment. Every passenger must be properly belted in** **⇒ page 16.**

Note

- Air circulation in the vehicle helps reduce fogging of the windows. Used air escapes through ventilation slits in the side trim of the luggage compartment. Ensure that the ventilation slits are never covered. ■

Seat belts

Brief introduction

Before driving: remember your seat belt!

Wearing a seat belt properly can save your life!

In this chapter you will learn the importance of wearing seat belts, how they work and how to properly fasten, adjust and wear them.

– Read and consider all the information as well as the warnings in this chapter.

WARNING

- **Before inserting the central rear seat belt into its catch, make sure that the backrest is properly engaged in position by pulling on the belt.**
- **If seat belts are worn incorrectly or not at all, the risk of severe injuries increases.**
- **Properly worn seat belts can reduce severe injuries in case of sudden braking manoeuvres or accidents. For safety reasons, you and your passengers must always wear the seat belts properly while the vehicle is moving.**
- **Pregnant women or people with physical disabilities must also use seat belts. Like all other passengers, these people can also sustain severe injuries if they are not wearing their seat belts properly.** ■

Number of seats

Your vehicle has **five** seats, two in the front and three in the rear. Each seat is equipped with a three-point seat belt.

WARNING

- **More people than available seats must never be transported in your vehicle.**
- **Every passenger in the vehicle must properly fasten and wear the seat belt belonging to his or her seat. Children must be protected with an appropriate child restraint system.** ■

Seat belt warning lamp*

The warning lamp acts as a reminder to the driver to fasten the seat belt.

Before starting the vehicle:

– Fasten your seat belt securely.

– Instruct your passengers to fasten their seat belts properly before driving off.

– Protect children by using a child seat according to the child's height and weight.

The warning lamp in the instrument panel lights up[1] if the driver or passenger seat belt is not fastened[1] when the ignition is switched on. Moreover, an acoustic signal[1] is heard on exceeding 25 km/h. This acoustic signal stops when the seat belt is fastened.

The warning lamp* is switched off if the driver seat belt is fastened while the ignition is switched on. ■

[1] Depending on the model version

Why wear seat belts?

Physical principles of frontal collisions

In the event of a frontal collision, a large amount of kinetic energy must be absorbed.

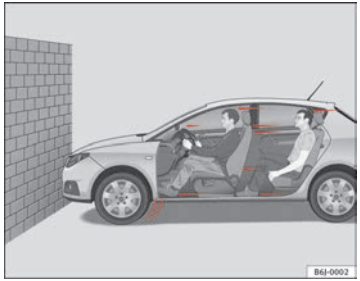

Fig. 6 Vehicle about to hit a wall: the occupants are not wearing seat belts

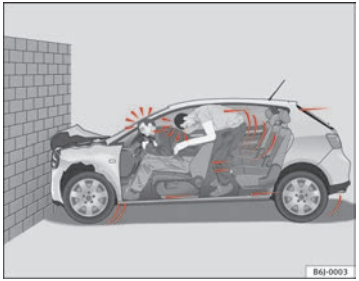

Fig. 7 The vehicle hits the wall: the occupants are not wearing seat belts

It is easy to explain how the laws of physics work in the case of a head-on collision: When a vehicle starts moving ⇒ fig. 6, a certain amount of energy known as “kinetic energy” is produced in the vehicle and its occupants.

The amount of “kinetic energy” depends on the speed of the vehicle and the weight of the vehicle and its passengers. The higher the speed and the greater the weight, the more energy there is to be “released” in an accident.

The most significant factor, however, is the speed of the vehicle. If the speed doubles from 25 km/h to 50 km/h, for example, the kinetic energy is multiplied by four.

Because the passengers in our example are not restrained by seat belts, all of the passengers' kinetic energy has to be absorbed at the point of impact ⇒ fig. 7.

Even at speeds of 30 km/h to 50 km/h, the forces acting on bodies in a collision can easily exceed one tonne (1000 kg). At greater speed these forces are even higher.

Passengers not wearing seat belts are not “attached” to the vehicle. In a frontal collision, they will move forward at the same speed their vehicle was ▶

travelling just before the impact. This example applies not only to frontal accidents, but to all accidents and collisions. ■

The danger of not using the seat belt

The general belief that the passengers can protect themselves with their hands in a minor collision is false.

Fig. 8 A driver not wearing a seat belt is thrown forward violently.

Fig. 9 The unbelted rear passenger is thrown forward violently, hitting the driver wearing a seat belt.

Even at low speeds the forces acting on the body in a collision are so great that it is not possible to brace oneself with one's hands. In a frontal collision, unbelted passengers are thrown forward and will make violent contact with the steering wheel, dash panel, windscreen or whatever else is in the way ⇒ fig. 8.

The airbag system is not a substitute for seat belts. When triggered, airbags provide only additional protection. All passengers (including the driver) must wear seat belts properly during the trip. This will reduce the risk of severe injuries in the event of an accident – regardless of whether an airbag is fitted for the seat or not.

Note that airbags can be triggered only once. To achieve the best possible protection, the seat belt must always be worn properly so that you will be protected in accidents in which no airbag is deployed.

It is also important for the rear passengers to wear seat belts properly, as they could otherwise be thrown forward violently in an accident. Rear passengers who do not use seat belts endanger not only themselves but also the front occupants ⇒ fig. 9. ■

Seat belt protection

Passengers not wearing seat belts risk severe injuries in the event of an accident.

Fig. 10 A driver wearing the seat belt properly: is secured by the belt in sharp braking

Properly worn seat belts hold the vehicle occupants in the correct sitting positions and substantially reduce the kinetic energy in the event of an accident. Seat belts also help to prevent uncontrolled movements that could lead to severe injuries. In addition, properly worn seat belts reduce the danger of being thrown from the car.

Passengers wearing their seat belts correctly benefit greatly from the ability of the belts to absorb kinetic energy. The front part of your vehicle and other passive safety features (such as the airbag system) are also designed to absorb the kinetic energy released in a collision. Taken together, all these features reduce the releasing kinetic energy and consequently, the risk of injury.

Our examples describe frontal collisions. Of course, properly worn seat belts substantially reduce the risk of injury in all other types of accidents. This is why it is so important to fasten seat belts before every trip, even when "just driving around the corner".

Ensure that your passengers wear their seat belts as well. Accident statistics have shown that wearing seat belts is an effective means of substantially reducing the risk of injury and improving the chances of survival in a serious accident. Furthermore, properly worn seat belts improve the protection provided by airbags in the event of an accident. For this reason, wearing a seat belt is required by law in most countries.

Although your vehicle is equipped with airbags, the seat belts must be fastened and worn. The front airbags, for example, are only triggered in some frontal accidents. The front airbags will not be triggered during minor frontal collisions, minor side collisions, rear collisions, rolls or accidents in which the airbag trigger threshold value in the control unit is not exceeded.

Therefore, you should always wear your seat belt and ensure that your passengers have fastened their seat belts properly before you drive off! ■

Safety instructions on using seat belts

If seat belts are used correctly, they can reduce the risk of injury in an accident.

– Always wear the seat belt as described in this section.

– Ensure that the seat belts can be fastened at all times and are not damaged.

WARNING

- **If the seat belts are worn incorrectly or not at all, the risk of severe injuries increases. The optimal protection from seat belts can be achieved only if you use them properly.**

WARNING (continued)

- **Fasten your seat belt before every trip - even when driving in town. The other passengers must also wear seat belts, otherwise they may be in danger of injury!**
- **The seat belt cannot offer its full protection if the seat belt is not positioned correctly.**
- **Never allow two passengers (even children) to share the same seat belt.**
- **Keep both feet in the footwell in front of your seat as long as the vehicle is in motion.**
- **Never unbuckle a seat belt while the vehicle is in motion. Risk of fatal injury.**
- **The seat belt must never be twisted while it is being worn.**
- **The seat belt should never lie on hard or fragile objects (such as glasses or pens, etc.) because this can cause injuries.**
- **Do not allow the seat belt to be damaged or jammed, or to rub on any sharp edges.**
- **Never wear the seat belt under the arm or in any other incorrect position.**
- **Loose, bulky clothing (such as an overcoat over a jacket) impairs the proper fit and function of the belts, reducing their capacity to protect.**
- **The slot in the seat belt buckle must not be blocked with paper or other objects, as this can prevent the latch plate from engaging securely.**
- **Never use seat belt clips, retaining rings or similar instruments to alter the position of the belt webbing.**
- **Frayed or torn seat belts or damage to the connections, belt retractors or parts of the buckle could cause severe injuries in the event of an accident. Therefore, you must check the condition of all seat belts at regular intervals.**
- **Seat belts which have been worn in an accident and stretched must be replaced by a qualified workshop. Renewal may be necessary even if there is no apparent damage. The belt anchorage should also be checked.**

WARNING (continued)

- **Do not attempt to repair a damaged seat belt yourself. The seat belts must not be removed or modified in any way.**
- **The belts must be kept clean, otherwise the retractors may not work properly.** ■

Seat belts

Seat belt adjustment

The seat belts for the front and rear occupants are locked into position by a latch.

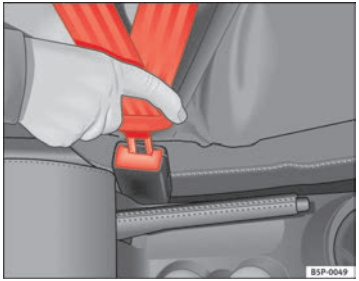

Fig. 11 Belt buckle and latch plate of seat belt

The seat belt cannot offer its full protection if the seat belt is not positioned correctly.

– Adjust the seat and head restraint correctly.

– To fasten the belt, take hold of the latch plate and pull it slowly across your chest and lap.

– Insert the latch plate into the buckle for the appropriate seat and push it down until it is securely locked with an audible click ⇒ page 21, fig. 11.

– Pull the belt to ensure that the latch plate is securely engaged in the buckle.

The seat belts are equipped with an automatic retractor on the shoulder strap. Full freedom of movement is permitted when the shoulder belt is pulled slowly. However, during sudden braking, during travel in mountains or bends and during acceleration, the automatic retractor on the shoulder belt is locked.

The automatic belt retractors on the front seats are fitted with seat belt tensioners ⇒ page 25.

WARNING

- **An incorrectly worn seat seat belt can cause severe injuries in the event of an accident.**
- **The seat belts offer best protection only when the backrests are in an upright position and the seat belts have been fastened properly.**
- **Never put the latch plate in the buckle of another seat. If you do this, the seat belt will not protect you properly and the risk of injury is increased.**
- **If an occupant is incorrectly belted in, the belt cannot protect him or her properly. An incorrectly positioned seat belt can cause extremely severe injuries.** ■

Seat belt position

Seat belts offer their maximum protection only when they are properly positioned.

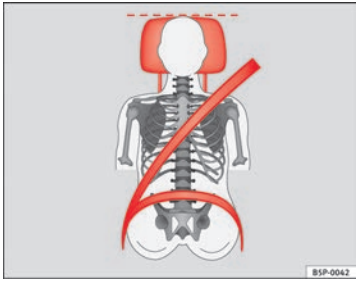

Fig. 12 Correct seat belt and head restraint positions, viewed from front

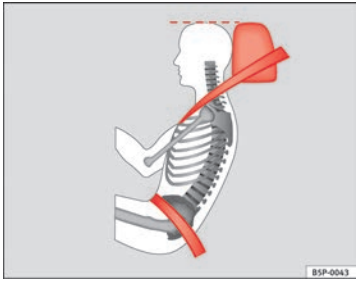

Fig. 13 Correct seat belt and head restraint positions, viewed from side

WARNING

- **An incorrectly worn seat seat belt can cause severe injuries in the event of an accident.**
- **The shoulder belt must be positioned around the middle of the shoulder. The seat belt must lie flat and snugly on the torso ⇒ page 22, fig. 12.**
- **The lap part of the seat belt must lie across the pelvis, never across the stomach. The seat belt must lie flat and snugly on the pelvis ⇒ page 22, fig. 13. Pull the belt tight if necessary to take up any slack.**
- **Read and observe the warnings ⇒ page 20.** ■

Pregnant women must also fasten their seat belts properly

The best protection for the unborn child is for the mother to wear the seat belt properly at all times during the pregnancy.

Fig. 14 Positioning seat belts during pregnancy

The seat belt provides maximum protection only when the seat belt is properly positioned ⇒ page 22.

– Adjust the front seat and head restraint correctly.

– Holding the latch plate, pull the belt evenly across your chest and as low as possible over the pelvis ⇒ fig. 14.

– Insert the latch plate into the buckle for the corresponding seat and push it down until it is securely locked with an audible click ⇒ ⚠.

– Pull the belt to ensure that the latch plate is securely engaged in the buckle.

WARNING

- **An incorrectly worn seat seat belt can cause severe injuries in the event of an accident.**
- **For pregnant women, the lap part of the seat belt must lie as low as possible over the pelvis, never across the stomach, and always lie flat so that no pressure is exerted on the abdomen.**
- **Read and observe the warnings ⇒ page 20.** ■

Seat belt release

The seat belt must not be unfastened until the vehicle has come to a standstill.

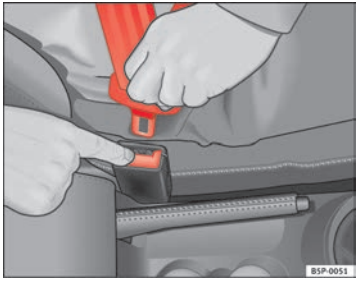

Fig. 15 Removing latch plate from buckle

– Press the red button on the belt buckle ⇒ fig. 15. The latch plate is released and springs out ⇒ ⚠.

– Guide the belt back by hand so that it rolls up easily and the trim is not damaged

⚠ WARNING

Never unbuckle a seat belt while the vehicle is in motion. If you do, you increase the risk of sustaining severe or fatal injuries. ■

Incorrectly fastened seat belts

Incorrectly worn seat belts can cause severe or even mortal injuries.

Seat belts can provide optimal protection only if the belt web is properly worn. The seat belts must be fastened exactly in the order described in this chapter. An incorrect sitting position impairs substantially the protection a seat belt offers and can lead to severe or fatal injuries. The risk of severe or fatal injuries is especially increased when a deploying airbag strikes an occupant who has assumed an incorrect sitting position. As the driver, you are responsible for all vehicle occupants, especially children. Therefore:

– Never allow anyone to wear the seat belt incorrectly while the vehicle is moving ⇒ ⚠.

⚠ WARNING

- **An incorrectly worn seat belt increases the risk of severe injuries.**
- **Before every trip, instruct your passengers to adjust their seat belts properly and to wear them for the whole journey.**
- **Read and always observe information and warnings concerning the use of seat belts ⇒ page 20.** ■

Belt tensioners*

Function of the seat belt tensioner

During a frontal collision, the seat belts on the front seats are retracted automatically.

The seat belts for the front occupants are equipped with belt tensioners. Sensors will trigger the belt tensioners during severe head-on, lateral and rear collisions only if the seat belt is being worn. This retracts and tightens the seat belts, reducing the forward motion of the occupants.

The seat belt tensioner can be triggered only once.

The belt tensioners will not be triggered in the event of light frontal and side collisions, if the vehicle overturns, or in situations where no large forces act on the front, side or rear of the vehicle.

Note

- If the seat belt tensioners are triggered, a fine dust is produced. This is normal and it is not an indication of fire in the vehicle.
- The relevant safety requirements must be observed when the vehicle or components of the system are scrapped. A qualified workshop is familiar with these regulations and will be pleased to pass on the information to you. ■

Service and disposal of belt tensioners

The belt tensioners are components of the seat belts that are installed in the seats of your vehicle. If you work on the belt tensioners or remove and install parts of the system when performing other repair work, the seat belt may be damaged. The consequence may be that, in the event of an accident, the belt tensioners function incorrectly or not at all.

So that the effectiveness of the seat belt tensioner is not reduced and that removed parts do not cause any injuries or environmental pollution, regulations, which are known to the qualified workshops, must be observed.

WARNING

- **If repairs are not carried out by a professional, or if the belt tensioners are used incorrectly, the risk of severe or fatal injuries increases. The belt tensioners may fail to trigger or may trigger in the wrong circumstances.**
- **Never attempt to repair, adjust, remove or install parts of the belt tensioners or seat belts.**
- **The seat belt tensioner and seat belt including its automatic retractor cannot be repaired.**
- **Any work on the belt tensioners and seat belts, including the removal and refitting of system parts in conjunction with other repair work, must be performed by a qualified workshop only.**
- **The belt tensioners will only provide protection for one accident and must be changed it they have been activated.** ■

Airbag system

Brief introduction

Why wear a seat belt and assume the correct sitting position?

For the inflating airbags to achieve the best protection, the seat belt must always be worn properly and the correct sitting position must be assumed.

For your own safety and the safety of the passengers, please ensure the following before driving:

– Always wear the seat belt properly.

– Adjust the driver seat and the steering wheel correctly.

– Adjust the front passenger seat correctly.

– Adjust the head restraint correctly ⇒ page 12.

– Use an appropriate child restraint system to protect children in your vehicle.

The airbag is deployed at high speed in fractions of a second. If you have an incorrect seating position at the time the airbag is deployed, it could cause you critical injuries. Therefore, it is essential that all passengers in the vehicle assume a correct sitting position while travelling.

A sharp braking before an accident may cause a passenger not wearing a seat belt to be thrown forward into the area of the deploying airbag. In this case, the inflating airbag may inflict critical or fatal injuries on the occupant. This also applies to children.

Always maintain the greatest possible distance between yourself and the front airbag. This way, the front airbags can completely deploy when triggered, providing their maximum protection.

The most important factors that will trigger an airbag are: the type of accident, the angle of collision and the speed of the vehicle.

Whether the airbags are triggered depends primarily on the vehicle deceleration rate resulting from the collision and detected by the control unit. If the vehicle deceleration occurring during the collision and measured by the control unit remains below the specified reference values, the front, side and/or curtain airbag will not be triggered. Take into account that the visible damage in a vehicle involved in an accident, for whatever reason, is not an indication as to why the airbags had been triggered.

WARNING

- **Wearing the seat belt incorrectly or assuming an incorrect sitting position can lead to critical or fatal injuries.**
- **All occupants, including children, who are not properly belted can sustain critical or fatal injuries if the airbag is triggered. You should always transport all children up to 12 years of age on the rear seat. Never transport children in the vehicle if they are not restrained or the restraint system is not appropriate for their age, size or weight.**
- **If you are not wearing a seat belt, if you lean forward or to the side while travelling or assume an incorrect sitting position, there is a substantially increased risk of injury. This increased risk of injury will be further increased if you are struck by an inflating airbag.**
- **To reduce the risk of injury from an inflating airbag, always wear the seat belt properly.**

WARNING (continued)

- **Always properly adjust the front seats.** ■

The danger of fitting a child seat on the front passenger seat

Rear-facing child seats must never be used on the front passenger seat when the front passenger airbag is enabled.

An enabled front airbag on the front passenger side is potentially a major danger to a child. The front passenger seat is life threatening to a child if he/she is transported in a rear-facing child seat. You should always transport all children up to 12 years of age on the rear seat.

If a rear-facing child seat is secured to the front passenger seat, an inflating airbag can strike it with such great force that critical or fatal injuries may result.

Therefore we strongly recommend you to transport children on the rear seats. That is the safest place for children in the vehicle. Alternatively, the front passenger airbag can be disabled with a key-operated switch ⇒ page 36. When transporting children, use a child seat appropriate to the age and size of each child.

For those vehicles that do not include a key lock switch to turn the airbag off, an Authorised Service Centre must be consulted.

WARNING

- **If a child seat is secured to the front passenger seat, the risk to the child of sustaining critical or fatal injuries in the event of an accident increases.**
- **Never secure a rear-facing child seat to the front passenger seat if the front passenger airbag is enabled. The child can suffer critical or fatal injuries when the front passenger airbag is triggered.**

WARNING (continued)

- **An inflating front passenger airbag can strike the rear-facing child seat and hurl it with great force against the door, the roof or the backrest.**
- **If, under special circumstances, it is necessary to transport a child in a rear-facing child seat on the front passenger seat, it is absolutely essential that you observe the following safety measures:**
  - **Disable the front passenger airbag ⇒ page 36, “Deactivating airbags*”.**
  - **The child seat must be approved by the child seat manufacturer for use on a front passenger seat with front or side airbag.**
  - **Follow the installation instructions of the child seat manufacturer and absolutely observe all warnings**
  - **Before properly installing the child seat, push the front passenger seat completely backwards so that the greatest possible distance to the front passenger airbag is ensured.**
  - **Ensure that no objects prevent the front passenger seat from being pushed completely back.**
  - **The backrest of the front passenger seat must be in an upright position.** ■

Warning lamp for airbag and seat belt tensioner

This warning lamp monitors the airbag and seat belt tensioner system.

The warning lamp monitors all airbags and seat belt tensioners in the vehicle, including control units and wiring connections. ▶

Monitoring of airbag and belt tensioner system

Both the airbag and belt tensioner systems operation is constantly monitored electronically. The warning lamp will light up for a few seconds every time the ignition is switched on (self-diagnosis).

The system must be checked when the warning lamp :

- does not light up when the ignition is switched on,
- after the ignition is switched on, it turns off after 4 seconds,
- it turns off and then lights up again after the ignition is switched on,
- lights up or flashes while the car is moving.

In the event of a malfunction, the warning lamp remains on continuously. Have the airbag system inspected immediately by a qualified workshop.

If any of the airbags are de-activated by the Authorised Service Centre, the indicator lights for several seconds more after the verification and will turn off if there is no fault.

WARNING

- **If there is a malfunction, the airbag and belt tensioner system cannot properly perform its protective function.**
- **If a malfunction occurred, have the system checked immediately by a qualified workshop. Otherwise, in the event of an accident, the airbag system and belt tensioners may not be triggered, or may not be triggered correctly.** ■

Repairs, maintenance and disposal of airbags

The parts of the airbag system are installed in various places in your vehicle. If work is carried out on the airbag system or remove and fit parts of the system when performing other repair work, parts of the airbag system may be damaged. The consequence may be that, in the event of an accident, the airbag inflates incorrectly or does not inflate at all.

The relevant safety requirements must be observed when the vehicle or components of the airbag are **scrapped**. The specialist workshops and the Vehicle disposal centres are familiar with these requirements.

WARNING

- **If repairs are not carried out by a professional, or if the airbags are used incorrectly, the risk of severe or fatal injuries is increased. The airbags may fail to inflate, or could inflate in the wrong circumstances.**
- **Do not cover or stick anything on the steering wheel hub or the soft plastic surface of the airbag unit on the passenger side of the dash panel, and do not obstruct or modify them in any way.**
- **It is important not to attach any objects such as cup holders or telephone mountings to the surfaces covering the airbag units.**
- **To clean the steering wheel or dash panel, you may use only a dry or a water-moistened cloth. Never clean the dash panel and the airbag module surface with cleansers containing solvents. Solvents cause the surface to become porous. If the airbag triggered, disintegrating plastic parts could cause substantial injuries.**
- **Never attempt to repair, adjust, remove or install parts of the airbag system.**
- **Any work on the airbag system or removal and installation of the airbag components for other repairs (such as repairs to the steering wheel) should be performed only by a qualified workshop. Qualified workshops have the necessary tools, repair information and qualified personnel.**
- **We strongly recommend you to go to a qualified workshop for all work on the airbag system.**
- **Never attempt to alter the front bumper or the body.**
- **The airbags provide protection for just one accident; replace them once they have deployed.** ■

Front airbags

Description of front airbags

The airbag system is not a substitute for the seat belts.

Fig. 16 Driver airbag located in steering wheel

Fig. 17 Front passenger airbag located in dash panel

The front airbag for the driver is located in the steering wheel ⇒ fig. 16 and the airbag for the front passenger is located in the dash panel ⇒ fig. 17. Airbags are identified by the word “AIRBAG”.

In conjunction with the seat belts, the front airbag system gives the front occupants additional protection for the head and chest in the event of a severe frontal collision ⇒ page 31, “Safety notes on the front airbag system”.

In addition to their normal function of restraining the occupants, the seat belts also hold the driver and front passenger in a position where the airbags can provide maximum protection in a frontal collision.

The airbag system is not a substitute for seat belts, but it is an integral part of the vehicle's overall passive safety system. Please bear in mind that the airbag system can only work effectively when the occupants are wearing their seat belts correctly and have adjusted the head restraints properly. For this reason, it is most important to wear the seat belts at all times, not only because this is required by law in most countries, but also as a contribution to your own safety

The main parts of the front airbag system are:

- an electronic control and monitoring system (control unit),
- the two front airbags (airbag with gas generator) for the driver and front passenger,
- a warning lamp in the instrument panel ⇒ page 27.

The airbag system operation is monitored electronically. The airbag warning lamp will light up for a few seconds every time the ignition is switched on (self-diagnosis).

There is a fault in the system if the warning lamp :

- does not light up when the ignition is switched on ⇒ page 27
- after the ignition is switched on, it turns off after 4 seconds,
- it turns off and then lights up again after the ignition is switched on,
- lights up or flashes while the car is moving.

The front airbag system will not be triggered if:

- the ignition is switched off,
- there is a minor frontal collision,
- there is a side collision,
- there is a rear-end collision,
- the vehicle turns over.

WARNING

- **The seat belts and airbags can only provide maximum protection if the occupants are seated correctly ⇒ page 9, “Proper sitting position for occupants”.**
- **If a fault has occurred in the airbag system, have the system checked immediately by a qualified workshop. Otherwise, during a frontal collision the system may fail to trigger, or not trigger correctly.** ■

Operation of front airbags

Inflated airbags reduce the risk of head or chest injury.

Fig. 18 Inflated front airbags

The airbag system is designed so that the airbags for the driver and front passenger are triggered in a severe frontal collision.

In certain types of accident the front and side airbags may be triggered together.

When the system is triggered, the airbags fill with a propellant gas and deploy in front of the driver and front passenger ⇒ fig. 18. The fully deployed airbags cushion the forward movement of the front occupants and help to reduce the risk of injury to the head and the upper part of the body.

The special design of the airbag allows the controlled escape of the propellant gas when an occupant puts pressure on the bag. Thus, the head and chest are surrounded and protected by the airbag. After the collision, the airbag deflates sufficiently for the front occupants to see forward.

In order to provide the desired extra protection in an accident, the airbags have to deploy extremely rapidly (within thousandth of a second). A fine dust ▶

may develop when the airbag deploys. This is normal and it is not an indication of fire in the vehicle. ■

Safety notes on the front airbag system

If you use airbags correctly, they can considerably reduce the risk of injury in many kinds of accident.

WARNING

- **It is important for the driver and front passenger to keep a distance of at least 25 cm from the steering wheel or dash panel. If the minimum distance is not observed, the airbags do not correctly protect the vehicle occupants; risk of fatal injuries! In addition, the front seats and head restraints must always be positioned correctly for the height of the occupant.**
- **If you are not wearing a seat belt, if you lean forward or to the side while travelling or assume an incorrect sitting position, there is a substantially increased risk of injury. This increased risk of injury will be further increased if you are struck by an inflating airbag.**
- **Never let a child travel on the front seat without an appropriate restraint system. If the airbag is triggered in an accident, children can sustain serious or fatal injuries from the airbag as it inflates ⇒ page 38, “Child safety”.**
- **The deployment space between the front passengers and the airbags must not in any case be occupied by other passenger, pets and objects.**
- **The airbags provide protection for just one accident; replace them once they have deployed.**
- **It is also important not to attach any objects such as cup holders or telephone mountings to the surfaces covering the airbag units.**
- **Do not attempt to modify components of the airbag system in any way.** ■

Side airbags

Description of side airbags

The airbag system is not a substitute for the seat belts.

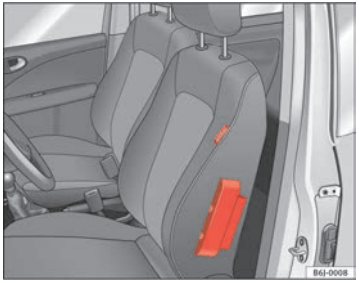

Fig. 19 Side airbag in driver seat

The side airbags are located in the driver seat and front passenger seat backrests ⇒ fig. 19. The locations are identified by the text “AIRBAG” in the upper region of the backrests.

Together with the seat belts, the side airbag system gives the front seat occupants additional protection for the upper body in the event of a severe side collision ⇒ page 34, “Safety notes on the operation of the side airbag system”.

In a side collision, the side airbags reduce the risk of injury to passengers on the front seats to the areas of the body facing the impact. In addition to their normal function of protecting the occupants in a collision, the seat belts also hold the passengers on the front seats in a position where the side airbags can provide maximum protection.

The airbag system is not a substitute for seat belts, but it is an integral part of the vehicle's overall passive safety system. Please bear in mind that the airbag system can only work effectively when the occupants are wearing their seat belts. For this reason, it is most important to wear the seat belts at all times, not only because this is required by law in most countries, but also as a contribution to your own safety

The side airbag system will not be triggered if:

- the ignition is switched off,
- there is a minor side collision,
- there is a frontal collision,
- there is a rear-end collision,
- the vehicle turns over.

The main parts of the airbag system are:

- an electronic control and monitoring system (control unit),
- the side airbags in the sides of the backrests of the front seats,
- a warning lamp in the instrument panel ⇒ page 27.

The airbag system operation is monitored electronically. The airbag warning lamp will light up for approx. 4 seconds every time the ignition is switched on (self-diagnosis).

WARNING

- **Never drive the vehicle if the interior panels have been removed.**
- **Never drive if the interior door panels have been removed or if the panels have not been correctly fitted.**
- **Never drive the vehicle if the loudspeakers in the door panels have been removed, unless the holes left by the loudspeakers have been correctly closed.**
- **Always check that the openings are closed or covered if loudspeakers or other equipment are fitted in the interior door panels.**

WARNING (continued)

- **Any work carried out to the doors should be made in a qualified authorised workshop.**
- **The seat belts and airbags can only provide maximum protection if the occupants are seated correctly ⇒ page 9, “Proper sitting position for occupants”.**
- **If a fault has occurred in the airbag system, have the system checked immediately by a qualified workshop. Otherwise, during a side collision, the system may fail to trigger, or not trigger correctly.** ■

Operation of side airbags

Inflated airbags can reduce the risk of head or chest injury in many side impact collisions.

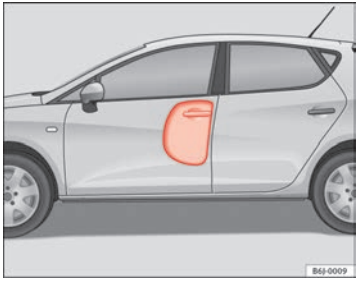

Fig. 20 Inflated side airbag on left side of vehicle

In some **side collisions**, the side airbag is triggered on the impact side of the vehicle ⇒ fig. 20.

In certain types of accident the front and side airbags may be triggered together.

When the system is triggered, the airbag is filled with propellant gas.

In order to provide the desired extra protection in an accident, the airbags have to deploy extremely rapidly (within thousandth of a second). A fine dust may develop when the airbag deploys. This is normal and it is not an indication of fire in the vehicle.

The fully deployed airbags cushion the movement of the occupants of the front seats and help to reduce the risk of injury to the upper body.

The special design of the airbag allows the controlled escape of the propellant gas when an occupant puts pressure on the bag. Thus, the head and chest are surrounded and protected by the airbag. ■

Safety notes on the operation of the side airbag system

If airbags are used correctly, they can considerably reduce the risk of injury in side impact collisions.

WARNING

- **If you do not wear a seat belt, if you lean forward, or are not seated correctly while the vehicle is in motion, you are at a greater risk of injury if the side airbag system is triggered in an accident.**
- **In order for the side airbags to provide their maximum protection, the prescribed sitting position must always be maintained with seat belts fastened while travelling.**
- **Occupants of the outer seats must never carry any objects or pets in the deployment space between them and the airbags, or allow children or other passengers to travel in this position. It is also important not to attach any accessories (such as cup holders) to the doors. This would impair the protection offered by the side airbags.**
- **The built-in coat hooks should be used only for lightweight clothing. Do not leave any heavy or sharp-edged objects in the pockets.**
- **Great forces, such as hard blows or kicks, must not be exerted upon the backrest bolster because the system may be damaged. In this case, the side airbags would not be triggered.**
- **Under no circumstances should protective covers be fitted over seats with side airbags unless the covers have been expressly approved for use in your vehicle. Because the airbag deploys from the side of the backrest, the use of conventional seat covers would obstruct the side airbag, seriously reducing the airbag's effectiveness.**

WARNING (continued)

- **Any damage to the original seat upholstery or around the seams of the side airbag units must be repaired immediately by a qualified workshop.**
- **The airbags provide protection for just one accident; replace them once they have deployed.**
- **When children assume an incorrect sitting position, they expose themselves to an increased risk of injury in the event of an accident. This is particularly the case if the child is travelling on the front passenger seat and the airbag system is triggered in an accident; this could have critical consequences including serious injury or death ⇒ page 38, “Child safety”.**
- **Any work on the side airbag system or removal and installation of the airbag components for other repairs (such as removal of the front seat) should only be performed by a qualified workshop. Otherwise, faults may occur during the airbag system operation.**
- **Do not attempt to modify components of the airbag system in any way.**
- **To ensure the correct functioning of the side and head airbags neither the doors nor the door panels should be modified in any way (e.g. fitting loudspeakers). If the front door is damaged, the airbag system may not work correctly. All work carried out on the front door must be made in a qualified workshop.** ■

Deactivating airbags*

Front passenger airbag deactivation

If you fit a rear-facing child seat to the front passenger seat, the front passenger airbag must be de-activated.

Fig. 21 In the glove compartment: key for enabling and disabling front passenger airbag

Fig. 22 Warning lamp for deactivated passenger airbag in centre console

When the passenger airbag is **deactivated**, this means that only the passenger front airbag is deactivated. All the other airbags in the vehicle remain functional.

Disabling front passenger airbag

– Switch the ignition off.

– Turn the ignition switch in the key operated switch in the glove compartment to the position **OFF** ⇒ fig. 21.

– Check that the warning lamp “AIRBAG OFF” on the dash panel ⇒ fig. 22 remains lit ⇒ ⚠ when the ignition is switched on.

Enabling front passenger airbag

– Switch the ignition off.

– Turn the ignition key in the key-operated switch in the glove compartment to the position **ON** ⇒ fig. 21.

– Check that the warning lamp “AIRBAG OFF” in the console does ⇒ page 36, fig. 22 *not* light up when the ignition is switched on ⇒ ⚠.

⚠ WARNING

- **The driver is responsible for the proper position of the key-operated switch.**
- **You should only deactivate the front passenger airbag when, in exceptional cases, you have to use a rear-facing child seat on the front passenger seat ⇒ page 38, “Child safety”.**
- **Never install a child seat facing backwards (or rear-facing) on the front passenger seat unless the front passenger airbag has been disabled. This represents a risk of fatal injuries to the child! However, if it is necessary in exceptional circumstances to transport a child in a rear-facing child seat on the front passenger seat, you must always disable the front passenger airbag.**
- **As soon as the child seat is no longer needed on the front passenger seat, enable the front passenger airbag again.**
- **Only deactivate the passenger airbag when the ignition is off, otherwise a fault may occur in the airbag system, this will create a danger that in case of an accident, the airbag does not deploy properly or does not deploy at all.**
- **When the passenger airbag is deactivated, if the warning lamp AIRBAG OFF is not continuously lit up when the front passenger airbag is disabled, there may be a fault in the airbag system:**
  - **Have the airbag system inspected immediately by a qualified workshop.**
  - **Do not use a child seat on the front passenger seat! The front passenger airbag could be triggered despite the fact that there is a fault in the system and, as a result, a child could sustain serious or fatal injuries.**

⚠ WARNING (continued)

- **It is predictable whether the front passenger airbag will deploy during an accident! Warn all your passengers of this.** ■

Child safety

Brief introduction

Introduction

Statistics show that children are generally safer on the rear seat than on the front passenger seat.

For safety reasons we recommend that children under 12 years of age are transported on the rear seats. Children travelling on the rear seat must use a child restraint system or the seat belts provided, depending on their age, height and weight. For safety reasons, the child seat should be installed in the centre of the rear seat or behind the front passenger seat.

The physical laws involved and the forces acting in a collision apply also to children. ⇒ page 18, “Why wear seat belts?”. But unlike adults, children do not have muscle and bone structures fully developed. This means that children are subject to a greater risk of injury.

To reduce this risk, children must always use special child restraint systems when travelling in the vehicle.

We recommend the use of child safety products from the SEAT Genuine Accessories Programme, which includes systems for all ages made by “Peke”[2].

These systems have been especially designed and approved, complying with the ECE-R44. regulation.

Follow the manufacturer's instructions and observe any statutory requirements when installing and using child seats. Always read and note ⇒ page 38, “Safety notes on using child seats”.

[2] Not for all countries

We recommend you to include the manufacturer's Child Seat instruction manual together with the on-board documentation. ■

Safety notes on using child seats

Proper use of child seats substantially reduces the risk of injury in an accident!

As the driver, you are responsible for any children you transport in your vehicle.

– Protect your children by properly using appropriate child seats ⇒ page 40.

– Always ensure that the seat belt is properly positioned according to the instructions provided by the manufacturer of the child seat.

– When travelling, do not allow children to distract you from traffic.

– Take breaks regularly during long trips. Take a break at least every two hours.

WARNING

- **Never install a child seat facing backwards (or rear-facing) on the front passenger seat unless the front passenger airbag has been disabled. This could lead to a risk of potentially fatal injuries to the child! However, if it is necessary, in exceptional cases, to transport a child in the front passenger seat, the front passenger airbag must always be disabled ⇒ page 36,** ▶

WARNING (continued)

"Deactivating airbags*". If the passenger seat has a height adjustment option, move it to the highest position.

- **For those vehicles that do not include a key lock switch to turn the airbag off, an Authorised Service Centre must be consulted.**
- **All passengers, especially children, must assume the proper sitting position and be properly belted in while travelling.**
- **Never hold children or babies on your lap, this can result in potentially fatal injuries to the child!**
- **Never allow a child to be transported in a vehicle without being properly secured, or to stand up or kneel on a seat while travelling. In an accident, the child could be flung through the vehicle, causing possibly fatal injuries to themselves and to the other passengers.**
- **If children assume an improper sitting position when the car is moving, they expose themselves to greater risk of injury in the event of sudden braking manoeuvre or in an accident. This is particularly important if the child is travelling on the front passenger seat and the airbag system is triggered in an accident; as this could cause serious injury or even death.**
- **A suitable child seat can protect your child!**
- **Never leave an unsupervised child alone on a child seat or in the vehicle.**
- **Depending on weather conditions, it may become extremely hot or cold inside the vehicle. This can be fatal.**
- **Children who are less than 1.5 metres tall must not wear a normal seat belt without a child seat, as this could cause injuries to the abdominal and neck areas during a sudden braking manoeuvre or in an accident.**
- **Do not allow the seat belt to become twisted or jammed, or to rub on any sharp edges.**
- **Incorrectly worn seat belts can cause injuries even in a minor collision or in sudden braking manoeuvres.**

WARNING (continued)

- **The seat belt provides maximum protection only when the seat belt is properly positioned ⇒ page 21, "Seat belts".**
- **Only one child may occupy a child seat ⇒ page 40, "Child seats".** ■

Child seats

Categorisation of child seats into groups

Use only child seats that are officially approved and suitable for the child.

Child seats are subject to the regulation ECE-R 44. ECE-R stands for: Economic Commission for Europe Regulation

The child seats are grouped into 5 categories:

Group 0: children up to 10 kg

Group 0+: children up to 13 kg

Group 1: from 9 to 18 kg

Group 2: from 15 to 25 kg

Group 3: from 22 to 36 kg

Child seats that have been tested and approved under the ECE R 44 standard bear the test mark on the seat (the letter E in a circle with the test number below it). ■

Group 0 and 0+ child seats

A suitable child seat and a correctly adjusted seat belt can help you to protect your child.

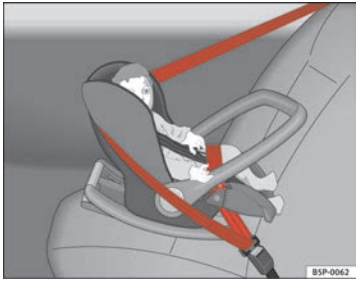

Fig. 23 A group 0 rear-facing child seat fitted on the rear seat.

Group 0: For babies from about 9 months old and 10 kg in weight the most suitable seats are those appearing in the illustration ⇒ fig. 23.

Group 0+: For babies from about 18 months old and 13 kg in weight the most suitable seats are those appearing in the illustration ⇒ fig. 23.

Follow the manufacturer's instructions and observe any statutory requirements when installing and using child seats.

We recommend you to include the manufacturer's Child Seat instruction manual together with the on-board documentation.

WARNING

Read and always observe information and warnings concerning the use of child seats ⇒ ⚠ in "Safety notes on using child seats" on page 38. ■

Group 1 child seats

A suitable child seat and a correctly adjusted seat belt can help you to protect your child.

Fig. 24 A category 1 forward-facing child seat fitted on the rear seat.

Child seats using the “ISOFIX” system or seats in which the child faces the rear of the car are most appropriate for babies and small children weighing between 9 and 18 kg.

Follow the manufacturer's instructions and observe any statutory requirements when installing and using child seats.

We recommend you to include the manufacturer's Child Seat instruction manual together with the on-board documentation.

WARNING

Read and always observe information and warnings concerning the use of child seats ⇒ ⚠ in “Safety notes on using child seats” on page 38. ■

Group 2 and 3 child seats

A suitable child seat and a correctly adjusted seat belt can help you to protect your child.

Fig. 25 Forward-facing child seat installed on rear seat.

Follow the manufacturer's instructions and observe any statutory requirements when installing and using child seats.

We recommend you to include the manufacturer's Child Seat instruction manual together with the on-board documentation.

Group 2 child seats

Children *under* 7 years of age weighing between 15 and 25 kg are best protected by group 2 child seats together with properly adjusted seat belts.

Group 3 child seats

Children *over* 7 years of age weighing between 22 and 36 kg but less than 1.5 metres tall are best protected by seat cushions with head restraints together with properly worn seat belts ⇒ fig. 25. ▶

WARNING

- **The shoulder part of the seat belt must lie approximately on the centre of the shoulder, never across the neck or the arm. The seat belt must lie close to the upper part of the body. The lap belt part must lie across the pelvis, not across the stomach, and always fit closely. Pull the belt tight if necessary to take up any slack ⇒ page 21, “Seat belts”.**
- **Read and always observe information and warnings concerning the use of child seats ⇒ ⚠ in “Safety notes on using child seats” on page 38.** ■

Securing child seats

Ways to secure a child seat

A child seat can be secured differently on the rear seat and on the front passenger seat.

You can secure a child seat to the rear seat or front passenger seat in the following ways:

- Child seats in groups **0 to 3** can be secured with a seat belt.
- Child seats for groups **0, 0+ and 1** with the "ISOFIX" system can be secured, without fastening seat belts, with the "ISOFIX" securing rings ⇒ page 43.

Category	Weight	Seat locations		
		Front passenger	Rear outer	Rear centre
Group 0	<10 kg	U*	U	U
Group 0+	<13 kg	U*	U	U
Group 1	9-18 kg	U*	U/L	U
Group 2 / 3	15-36 kg	X	UF	UF

U: Suitable for universal approved restraining systems for use in this age category (universal retention systems are those fitted using the adult seat belt).

UF Suitable for universal forward-facing retention systems approved for use with this age group.

*: Move the front passenger seat as far back as possible, as high as possible and always deactivate the airbag.

L: Suitable for retention systems using the "ISOFIX" anchors.

X Seat position not suitable for children in this age group.

⚠ WARNING

- **When travelling, children must be secured in the vehicle with a restraint system suitable for age, weight and size.**
- **Never install a child seat facing backwards (or rear-facing) on the front passenger seat unless the front passenger airbag has been disabled. This could cause fatal injuries to the child! However, if, in exceptional cases, it is necessary to transport a child in the front passenger seat, the front passenger airbag ⇒ page 36, "Deactivating airbags*" must always be disabled and the seat adjusted to its highest position, where possible.**
- **Read and always observe information and warnings concerning the use of child seats ⇒ ⚠ in "Safety notes on using child seats" on page 38.** ■

Securing a child seat with the "ISOFIX" system

Child seats can be secured quickly, easily and safely on the rear outer seats with the "ISOFIX" system.

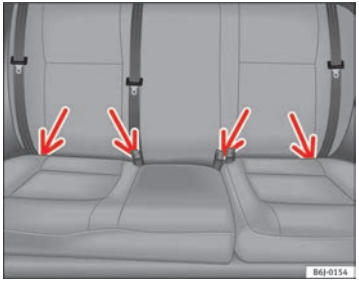

Fig. 26 ISOFIX securing rings

When removing or fitting the child seat, please be sure to follow the manufacturer's instructions.

– Press the child seat onto the “ISOFIX” retaining rings until the child seat can be heard to engage securely. If the child seat is fitted with any other anti-rotation system, follow the manufacturer instructions carefully.

– Pull on both sides of the child seat to ensure that it is secure.

Two “ISOFIX” retaining rings are fitted on each rear seat. In some vehicles, the rings are secured to the seat frame and, in others, they are secured to the rear floor. The access to the “ISOFIX” rings is between the rear seat backrest and the seat cushioning.

Child seats with “ISOFIX” mountings are available in your Authorised Service Centres.

WARNING

- **The retaining rings are designed to only be used with “ISOFIX” child seats.**
- **Never secure child seats without the “ISOFIX” system, retaining belts or objects to the fastening rings – this can result in potentially fatal injuries to the child.**
- **Ensure that the child seat is secured correctly to the “ISOFIX” anchor points.** ■

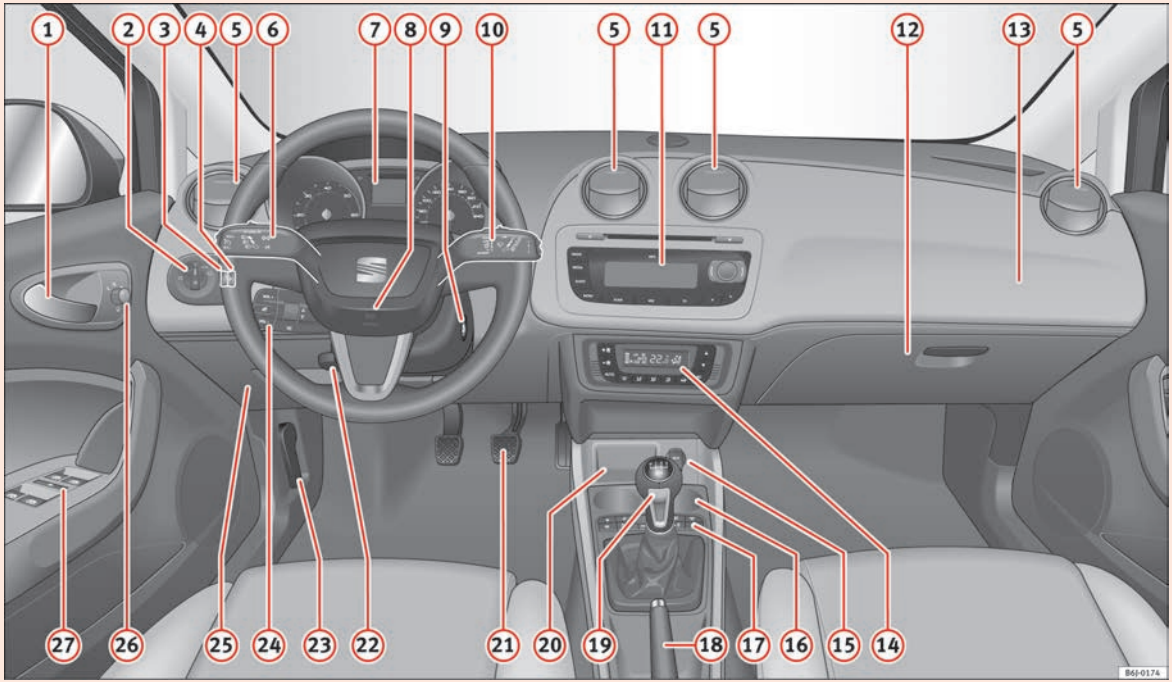

Fig. 27 Dash panel

Operating instructions

Cockpit

Overview

Overview of the dash panel

This overview will help you to familiarise yourself with the controls and displays.

1 Door release lever
2 Light switch 87
3 Light dimmer for instrument panel lighting* 89
4 Headlight range control* 89
5 Air vent
6 Turn signal and dipped beam lever and cruise control system* 93, 144
7 Instrument panel and warning lamps:
– Instruments 49
– Indicator lamps 56
8 Horn (only works when the ignition is on)/ and driver front airbag* 26
9 Steering and starter lock 129
10 Windscreen wiper and and windscreen wash lever and operation of the multifunction display* 96, 52
11 Radio
12 Glove compartment/Storage compartment 108
13 Passenger airbag* 29
14 Switches for:
– Heating and ventilation 117
– Air conditioning* 120
– Climatronic* 123
15 Cigarette lighter / Electric socket 112
16 Cup holder/Ashtray 111
17 Controls on the centre console:
– Hazard warning lights 92
– Airbag disconnection warning light* 27
– ESP 151
– Tyre pressure control 61
– Heated rear window 91
– Heated seats* 106
– Central locking* 73
– AUX connection 113
18 Handbrake lever 140
19 Automatic*/manual gear lever / 133, 132
20 Storage space
21 Pedals 14
22 Steering column control lever* 127
23 Bonnet release lever 180
24 Steering column controls for audio and telephone* 66
25 Fuse housing ..... 207 ▶

26 Control for adjusting electric exterior mirrors* 100
27 Electric window controls* 82

Note

Some of the items of equipment listed here are fitted only on certain model versions or are optional extras. ■

Instruments

Instrument overview

The instruments display the vehicle operating status.

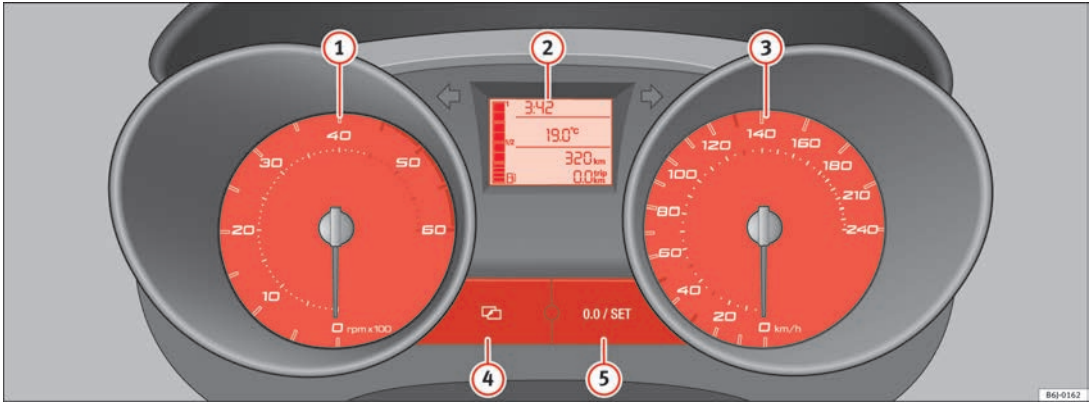

Fig. 28 Detailed view of the dash panel: instrument panel

The layout of the instruments depends upon the model and the engine.

1. Rev counter* ⇒ page 50.
2. Digital display.
3. Speedometer ⇒ page 50.
4. Menu selection button on the instrument panel digital display.
5. Adjustment button depending on the selected menu. ■

Rev counter

The rev counter displays the engine speed in revolutions per minute.

The start of the red zone ⇒ page 49, fig. 28 (1) indicates the maximum engine speed operating at service temperature. However, it is advisable to change up a into a higher gear, move the selector lever to D or lift your foot off the accelerator before the needle reaches the red zone.

Caution

The rev counter needle must never enter the red zone on the scale. Risk of engine damage.

For the sake of the environment

Changing up into higher gears early will help you to save fuel and minimise engine noise. ■

Speedometer

The speedometer is equipped with a digital odometer and a trip recorder, in addition to a service intervals display.

During the running-in period, the instructions shown on ⇒ page 154 should be followed. ■

Digital instrument panel display

Fuel gauge and reserve indicator

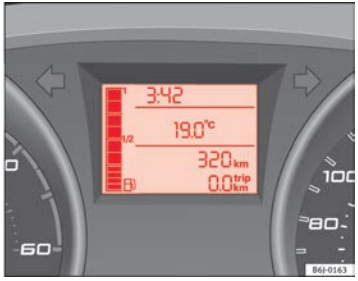

Fig. 29 Fuel gauge

Instrument panel: fuel gauge.

The fuel tank has a capacity of approx. 45 litres.

When the needle reaches the reserve zone ⇒ fig. 29, the warning lamp will light and an acoustic signal will sound **reminding the driver to refuel**. At this point there are still about 7 litres of fuel in the tank. ■

Digital clock*

– To set the hour, press button (4) ⇒ page 49, fig. 28. The “hour” option flashes on the digital display and is set using button (5) “set” ⇒ page 49, fig. 28.

– To set the minutes, press button (4) again and select the minute option. Set from button (5) “set”.

Once the operation has been carried out, the system memorises the time. ■

Outside temperature display

The outside temperature is displayed when the ignition is switched on.

In addition to the outside temperature display, an ice crystal is displayed and, if vehicle speed is over 10 km/h, a warning tone is heard at temperatures dropping from between +4°C and -7°C and at temperatures rising from -5°C up to +6°C.

The illumination of the crystal symbol aims to warn the driver of the risk of ice, so that he/she proceeds with due care.

When the vehicle is stationary or travelling at very low speeds, the temperature displayed may be slightly higher than the actual outside temperature as a result of heat coming from the engine. ■

Recommended gear display*

This display helps to save fuel.

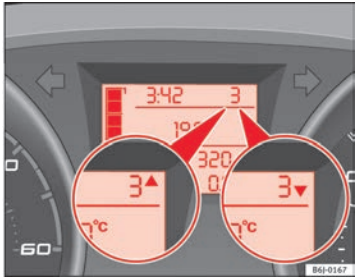

Fig. 30 Gear display

Use the gear display to save fuel. If you are not in the correct gear, a triangle will appear next to the gear display indicating whether you should change up or down ⇒ fig. 30. ■

Display with multifunction display (MFI)*

The multifunction display (MFI) shows you information on the journey and fuel consumption.

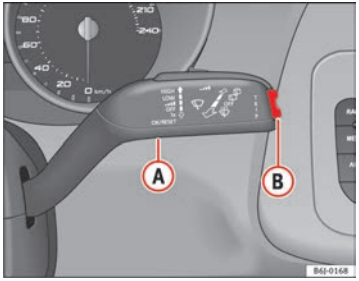

Fig. 31 Windscreen wiper lever: button A and rocker switch B

The multifunction system uses two automatic memories: **1 - Actual memory** and **2 - Total memory**. The selected memory will be shown in the upper right-hand corner of the display.

Selecting a memory

– With the ignition switched on, briefly press button ⇒ fig. 31 (A) on the windscreen wiper lever to move from one memory to another.

Resetting a memory

– Select the memory that you would like to reset.

– Press and hold button (A) on the windscreen wiper lever for at least 2 seconds.

The **trip memory 1** collects the travel and consumption rates from the moment the ignition is switched on until it is switched off. If the journey is continued within two hours of switching off the ignition, the new values will be added to the existing trip recorder memory. The memory will automatically be deleted if the journey is interrupted for more than two hours.

The **total memory 2** collects the trip data for any number of individual journeys (even if the ignition is switched off for longer than two hours) up to a total of 19 hours and 59 minutes travel time or 1999 km distance travelled. The memory will automatically be deleted if one of the named values is reached. ■

Information on the multifunction display (MFI)*

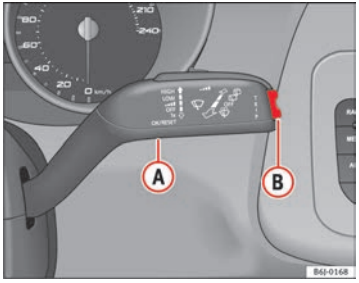

Fig. 32 Windscreen wiper and windscreen wash lever: button A and rocker switch B

You can switch between the following displays in the multifunction display (MFI) by operating rocker switch ⇒ fig. 32 (B) on the windscreen wiper lever.

Memory displays

- Driving speed

▶

- Journey duration
- Average speed
- Distance
- Distance to empty
- Average fuel consumption
- Current fuel consumption
- Outside temperature display
- Speed warning

Km/h - Driving speed

Driving speed is digitally shown in the display.

min - Journey duration

The display shows the amount of time which has elapsed since the ignition was switched on.

The maximum display value in both memories is 19 hours and 59 minutes. The memory will automatically be deleted once this value has been reached.

Økm/h - Average speed

After turning on the ignition, the average speed will be shown after travelling a distance of approximately 100 metres. Until then dashes will appear in the display. The display will be updated every 5 seconds while the vehicle is in motion.

km - Distance travelled

The display shows the distance travelled since the ignition was switched on.

The maximum display value in both memories is 1999 km. The memory will automatically be deleted once this value has been reached.

Km - Fuel range

The fuel range is calculated using the figures for tank content and current fuel consumption. It shows how far the vehicle can travel using the same conditions as a reference.

Ø l/100 km - Average fuel consumption

After turning on the ignition, average fuel consumption will be shown after travelling approximately 100 metres. Until then dashes will appear in the display. The display will be updated every 5 seconds while the vehicle is in motion. The amount of fuel used will not be shown.

l/100 km or l/h - Current fuel consumption

The display will show the current fuel consumption in litre/km whilst the vehicle is in motion or in litre/hour when the vehicle is in a stationary position with the engine running.

Using this display you can see how your driving style affects fuel consumption ⇒ page 154.

Outside temperature display

The measurement range extends from -45°C to +58°C. At temperatures below +4°C, an “ice crystal symbol” is displayed and a “warning” sounds if the vehicle is moving at more than 10 km/h (ice warning). This symbol will flash for about 10 seconds and remains lit until the outside temperature rises above +4°C or does not rise above 6°C when on the move if it was already lit.

Set speed indicator

When the required speed has been reached, enter the “Speed warning” mode menu and press button (A) -RESET-. The set speed is memorised. If the indicated speed is exceeded at any time, a warning message is displayed on the screen and a warning signal sounds.[3)]

This may be deactivated by pressing the RESET button. The speed may be altered using the rocker switch (B) in steps of 5 km/h within 5 seconds of the initial memory value.

3) Depending on the model version, the message on the screen may vary and may be represented by flashing of the speed indication or by a speed message.

WARNING

There could be black ice on the road surface even if the “snowflake symbol” is not shown. For this reason you should not rely exclusively on this display - Risk of accident!

Note

When the vehicle is stationary or travelling at very low speeds, the temperature displayed may be slightly higher than the actual outside temperature as a result of the heat radiated from the engine. ■

Display field for selector lever position*

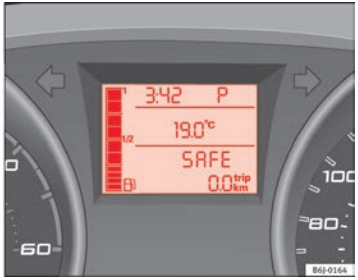

Fig. 33 Digital display: Gear lever position for automatic gearbox.

The position of the automatic gearbox gear lever is shown on the display ⇒ page 133. ■

Odometer or Service Interval Display

Fig. 34 Service interval display

Odometer

The upper counter in the display registers the total mileage covered by the vehicle.

The lower counter registers the short journeys. The last digit indicates 100-metre sections. The trip recorder counter may be reset by pressing the reset button ⇒ page 49, fig. 28 (5).

Service interval display

A **Service pre-warning** will appear in the odometer if a service is due soon. A spanner symbol appears and the display “km” with the distance that can be driven until the next service appointment is due. The display will change after approximately 10 seconds. A clock symbol appears and the number of days until the next service appointment is due.

The following message appears on the instrument panel if a service is due:

INSP- Maintenance service ▶

The service message will disappear approximately 20 seconds after the ignition is switched on or the engine is running. This may also be turned off pressing the trip recorder reset button for more than 0.5 seconds.[4)]

The Service Centre which carries out the maintenance service will reset the maintenance interval display once the service is finished.

We recommend you to carry out the repair and maintenance work only in the Authorised Service Centres.

If you wish to find out how long before the inspection, press button (4) ⇒ page 49, fig. 28, and select the relevant option from the menu. ■

4) With "Ignition OFF" the maintenance display remains visible.

Warning lamps

Overview of the warning lamps

The warning lamps indicate a number of different functions and possible faults.

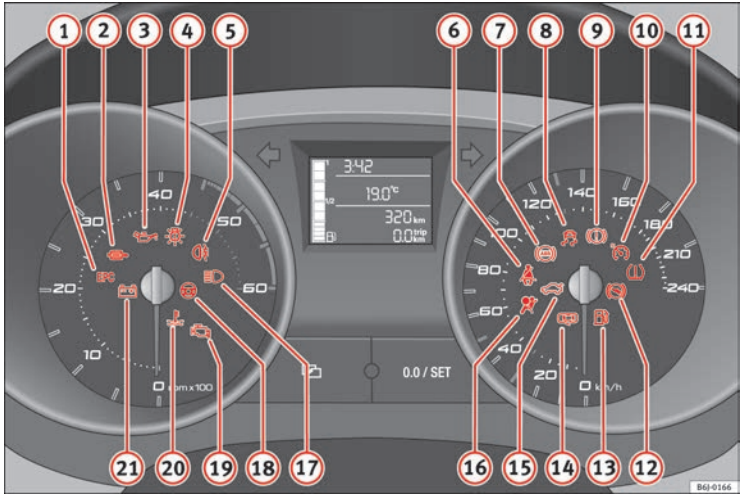

Fig. 35 Instrument panel control and warning lamps. Some of the items of equipment listed here are fitted only on certain model versions or are optional extras.

Item	Symbol	Meaning of warning and control lamps	Further information
1	EPC	Engine fault (petrol engine)	⇒ page 58
1		Glow plug system for diesel engine **If lit:** glow plug system active **If flashing:** engine fault	⇒ page 58
2		Soot accumulation in the diesel engine particulate filter	⇒ page 58
3		Engine oil pressure	⇒ page 59
4		Bulb defective	⇒ page 59
5		Rear fog light switched on	⇒ page 59
6		Seat belt warning lamp*	⇒ page 16
7	ABS	Anti-lock brake system (ABS)*	⇒ page 59
8		**If flashing**: Electronic Stability Pro-gramme (ESP) is working **If it remains lit:** fault on ESP	⇒ page 60
9		Handbrake applied, lack of brake fluid level or serious fault in the brake system	⇒ page 61
10		Cruise control system switched on	⇒ page 61
11		Tyre pressure	⇒ page 61
12		Automatic gear lever lock (automatic gearbox)	⇒ page 62

Item	Symbol	Meaning of warning and control lamps	Further information
13		Fuel level / reserve	⇒ page 62
14		Doors open	⇒ page 62
15		Tailgate open	⇒ page 62
16		Airbag or belt tensioner system fault or airbag disabled	⇒ page 27
17		Main beam switched on	⇒ page 63
18		Electro-hydraulic steering	⇒ page 63
19		Fault in the emission control system	⇒ page 63
20		Coolant level / coolant temperature	⇒ page 63
21		Alternator fault	⇒ page 64
		Turn signals in operation	⇒ page 64
	SAFE	Electronic immobiliser	⇒ page 64

WARNING

- **Failure to observe warning lamps and warning messages can result in serious personal injuries or damage to your vehicle.**
- **The risk of an accident increases if your vehicle breaks down. Use a warning triangle to draw the attention of other road users in order to prevent danger to third parties.**

WARNING (continued)

- **The engine compartment is a dangerous area! Before you open the bonnet to work on the engine or in the engine compartment, you must switch the engine off and allow it to cool to reduce the risk of scalding or other injuries. Read and observe the relevant warnings ⇒ page 178.**

Note

- The appropriate warning lamp for a fault will light up in vehicles without warning or information messages in the display.
- In vehicles with warning or information texts on the screen, the appropriate warning lamp for a fault will light up and a warning or information message will also appear on the screen. ■

Engine management* EPC

This warning lamp monitors the engine management system for petrol engines.

The warning lamp EPC (Electronic Power Control) lights up when the ignition is switched on to show that the lamp is working properly. It should go out once the engine is started.

If there is a fault in the electronic engine management system while you are driving, this warning lamp will light up. Stop the vehicle and seek technical assistance. ■

Glow plug system / Engine fault* ℳ

The warning lamp lights up to show that the glow plugs are preheating. It flashes if there is an engine fault.

Warning lamp ℳ is lit

The warning lamp ℳ lights up while the glow plugs are preheating. When the warning lamp goes off, the engine should be started straight away.

Warning lamp ℳ flashes

If a fault develops in the engine management system while you are driving, the glow plug lamp will flash ℳ. Take the vehicle to an Authorised Service Centre as soon as possible and have the engine checked. ■

Soot accumulation in the diesel engine particulate filter*

If the warning lamp lights up you may help the filter clean itself by driving in the appropriate manner.

To do this, drive about 15 minutes in 4th or 5th gear (automatic gearbox: S gear range) at a speed of 60 km/h, with the engine running at approximately 2000 rpm. In this way, the pollen build up in the filter is burned. When cleaning is successful, the indicator turns off.

If the indicator is not deactivated, bring the vehicle to a specialised workshop to repair the fault.

WARNING

- **Always drive according to the road weather conditions, the terrain and traffic. Driving recommendations should never lead to illegal manoeuvres in surrounding traffic.**

WARNING (continued)

- **The diesel engine particulate filter may reach extremely high temperatures; it should not enter into contact with flammable materials underneath the vehicle. Failure to comply could result in fire.** ■

Engine oil pressure

This warning lamp indicates that the engine oil pressure is too low.

If this warning symbol starts to flash, and is accompanied by three **audible warnings**, switch off the engine and check the oil level. If the oil level is too low, top up with oil.

If the symbol flashes although the oil level is correct, *do not* drive on. The engine must not even run at idle speed. Obtain technical assistance. ■

Bulb defect*

The indicator lights up when a bulb is not functioning.

The warning lamp lights up when there is a fault on the turn signals, headlights, side lights and fog lights. ■

Rear fog light*

This warning lamp lights up when the rear fog light is switched on. For further information see ⇒ page 87. ■

Anti-lock brake system (ABS)* (ABS)

A warning lamp monitors the ABS.

The indicator lamp (ABS) should light up for a few seconds when the ignition is switched on. It goes out again after the system has run through an automatic test sequence.

There is a fault in the ABS if:

- The warning lamp (ABS) does not light up when the ignition is switched on.
- The warning lamp does not go out again after a few seconds.
- The warning lamp lights up when the vehicle is moving.

The vehicle can still be braked in the normal way, without the ABS function. Please take the vehicle to a qualified workshop as soon as possible. For further information on the ABS see the ⇒ page 150.

If there is a fault in the ABS, the ESP* and the tyre pressure warning lamp will also light up.

Brake system fault

If the ABS warning lamp (ABS) lights up together with the brake warning lamp (!), this indicates not only a fault in the ABS function, but also a possible fault in the brake system ⇒ ⚠.

WARNING

- **Before opening the bonnet, read and observe the warnings on ⇒ page 178, “Working in the engine compartment”.**
- **If the brake warning lamp (!) should light up together with the ABS warning lamp (ABS), stop the vehicle immediately and check the brake fluid level in the reservoir ⇒ page 190, “Brake fluid”. If the fluid level has dropped below the “MIN” mark you must not drive on. Risk of accident. Obtain technical assistance.**

WARNING (continued)

- **If the brake fluid level is correct, the fault in the brake system may have been caused by a failure of the ABS system. This could cause the rear wheels to lock quickly when you brake. This could cause the rear to break away. Risk of skidding. Stop the vehicle and seek technical assistance.** ■

Differential lock fault (EDL)*

*EDL operates along with the ABS in vehicles equipped with an Electronic Stability Programme (ESP)**

A malfunction in the EDL is indicated by the ABS warning lamp (ABS). Please take the vehicle to a qualified workshop as soon as possible. For further information on the EDL see ⇒ page 152, “Electronic differential lock (EDL)*”. ■

Traction control system (TCS)*

The traction control system prevents the driven wheels from spinning when the vehicle is accelerating

The warning lamp lights up when the ignition is switched on and should turn out after about 2 seconds.

When the TCS is operating while driving, its warning lamp flashes rapidly. If there is a fault in the system, the warning lamp is lit permanently.

It will also come on if a fault should occur in the ABS because the TCS operates in conjunction with the ABS. For further information, see ⇒ page 149, “Brakes”

If ESP* button is activated, TCS function deactivates and the warning lamp flashes slowly. By pressing again, TCS function is reactivated and the warning lamp switched off. ■

Electronic Stability Programme (ESP)*

This warning lamp monitors the Electronic Stability Programme.

This programme includes the ABS, EDL and TCS.

The warning lamp has the following functions:

- It will light for about 2 seconds when the ignition is switched on while a test of the function is carried out.
- It flashes rapidly when the ESP is activated while driving.
- It will light up continuously if there is a malfunction in the ESP.
- It will also come on if a fault should occur in the ABS because the ESP operates in conjunction with the ABS.

If the ESP warning lamp lights up and stays on after the engine is started, this may mean that the control system has temporarily switched off the ESP. In this case the ESP can be reactivated by switching the ignition off and then on again. If the warning lamp goes out, this means the system is fully functional. ■

Brake system* / handbrake

The warning lamp lights up if the handbrake is applied, if the brake fluid level falls too low or if there is a fault in the brake system.

This warning lamp lights up if

- the handbrake is on.
- the brake fluid level is too low ⇒ page 190.
- there is a fault in the brake system.

This warning lamp can light up together with the ABS system warning lamp.

WARNING

- **If the brake warning lamp does not go out, or if it lights up when driving, the brake fluid level ⇒ page 190, "Brake fluid" in the reservoir is too low. Risk of accident. Stop the vehicle and do not drive on. Obtain technical assistance.**
- **If the brake warning lamp lights up together with the ABS warning lamp, the control function of the ABS could be out of action. This could cause the rear wheels to lock quickly when you brake. This could cause the rear to break away. Risk of skidding. Stop the vehicle and seek technical assistance.** ■

Cruise control system*

The warning lamp comes on when the cruise control system is switched on.

The warning lamp lights up when the cruise control system is switched on. For further information on the cruise control system, see ⇒ page 144. ■

Tyre pressure*

Fig. 36 Centre console: tyre monitor system button

The tyre warning lamp[5] compares wheel revolutions and with this information, the diameter of each wheel using the ESP sensors. If the diameter of a wheel changes, the tyre warning lamp lights up. The wheel diameter changes when:

- Tyre pressure is insufficient.
- The tyre structure is damaged.
- The vehicle is unbalanced because of a load.
- The wheels of one axle are under more pressure (for example, driving with a trailer or on extreme slopes).
- The vehicle is fitted with snow chains.
- The temporary spare wheel is fitted.
- The wheel on one axle is changed.

[5] Depending on the model version

Tyre pressure adjustment

Following the modification to tyre pressure or changing one or more wheels, the button ⇒ page 61, fig. 36 must be kept pressed while the ignition is on until an acoustic signal is heard.

If the wheels are under excessive load (for example, driving with a trailer or heavy load), the tyre pressure must be increased to the recommended value for a full load (see the sticker on the inside of the fuel flap). If the tyre monitor system button is pressed down, the new tyre pressures are confirmed.

The tyre pressure warning lamp lights up

If the tyre pressure of a wheel is much lower than the value set by the driver, then the tyre pressure warning lamp ⇒ will light up.

WARNING

- **When the tyre pressure warning lamp lights up, reduce speed immediately and avoid any sudden manoeuvre or braking. Stop when possible, and check the tyre pressure and status.**
- **The driver is responsible for maintaining correct tyre pressures. For this reason, tyre pressure must be regularly checked.**
- **Under certain circumstances (for example, when driving in a sportslike manner, in winter conditions or on a dirt track) the tyre warning lamp may light up or function incorrectly.**

Note

If the battery is disconnected, the yellow warning lamp lights up after turning the ignition on. This should turn off after a brief journey. ■

Speed selector lever lock*

The brake pedal must be depressed when this warning lamp lights up. This is necessary when the automatic gearbox* gear lever is moved out of the positions **P** or **N**. ■

Fuel level / reserve

This symbol lights up to indicate that the fuel tank is under the reserve level.

It lights up when only 7 litres of fuel remain in the tank. Moreover, an **warning buzzer*** is heard. It reminds you to fuel up the fuel tank as soon as possible ⇒ page 175. ■

Indicates that the doors are open*

This warning lamp lights up if one of the doors or the tailgate is open.

The warning light should go off when all the doors are closed correctly. ■

Tailgate open*

The warning lamp should switch off when the tailgate is fully closed. ■

Main beam headlights

This warning lamp lights up when the main beams are on.

The warning lamp is switched on once main beams are on or once the headlight flasher is operating.

For further information see ⇒ page 93. ■

Electro-hydraulic steering*

The level of steering assistance depends on the vehicle speed and on the steering wheel turning speed.

The warning lamp should light up for a few seconds when the ignition is switched on. It should go out once the engine is started.

There is a fault in the electro-hydraulic steering system if the lamp does not go out or lights up whilst the vehicle is in motion. Take the vehicle to the Authorised Service Centre as soon as possible.

Note

When towing the vehicle with the engine stopped or due to a fault in the power steering, this will not operate. The vehicle can still be steered, but it will require greater force to turn the steering wheel. ■

Emission control system*

This warning lamp monitors the exhaust system.

Warning lamp flashes:

When there is misfiring that can damage the catalytic converter. Reduce speed and drive carefully to the nearest qualified workshop to have the engine checked.

Warning lamp is lit:

If a fault has developed during driving which has reduced the quality of the exhaust gas (e.g. lambda probe fault). Reduce speed and drive carefully to the nearest qualified workshop to have the engine checked. ■

Coolant level* / temperature

The warning lamp lights up if the coolant temperature is too high or if the coolant level is too low.

There is a fault if:

- The warning symbol does not go out again after a few seconds.
- The warning lamp lights up or flashes while the vehicle is moving, and **three acoustic warning signals** ⇒ ⚠ are emitted.

This means that either the coolant level is too low or the coolant temperature is too high.

Coolant temperature too high

If the warning light comes on, **stop the vehicle, switch off the engine and wait for it to cool down.** Check the coolant level.

If the coolant level is correct, the overheating may be caused by a malfunction of the radiator fan. Check the radiator fan fuse and have it replaced if necessary ⇒ page 207.

If the warning lamp lights up again after driving on for a short distance, **stop the vehicle and switch the engine off**. Contact an Authorised Service Centre or a qualified workshop.

Coolant level too low

If the warning light comes on, **stop the vehicle, switch off the engine and wait for it to cool down** First check the coolant level. If the level of the coolant is below the "MIN" mark, top up with coolant liquid ⇒ ⚠.

WARNING

- **If your vehicle is immobilised for technical reasons, move it to a safe distance from traffic. Turn the engine off, turn the hazard lights on and place the warning triangle.**
- **Never open the bonnet if you can see or hear steam or coolant escaping from the engine compartment. Risk of scalding. Wait until you can no longer see or hear escaping steam or coolant.**
- **The engine compartment is a dangerous area! Before carrying out any work in the engine compartment, switch off the engine and allow it to cool down. Always note the corresponding warnings ⇒ page 178.** ■

Alternator

This warning lamp signals a fault in the alternator.

The warning lamp lights up when the ignition is switched on. It should go out when the engine has started running.

If the warning lamp lights up while driving, the alternator is no longer charging the battery. You should immediately drive to the nearest qualified workshop.

You should avoid using electrical equipment that is not absolutely necessary because this will drain the battery.

If the indicator flashes the voltage is insufficient for normal vehicle operation. ■

Turn signals

The indicator lamp flashes when the turn signals are in operation.

Depending on which turn signal is operating, either the left or right turn signal lamp flashes. Both indicator lamps will flash at the same time when the hazard warning lights are switched on.

If any of both turn signals fails, the indicator lamp will start flashing twice faster than normal.

For further information on the turn signals, please see ⇒ page 93. ■

Electronic immobiliser* "Safe"

This warning lamp flashes if an unauthorised key is used.

Inside the key there is a chip that deactivates the electronic immobiliser automatically when the key is inserted into the ignition. The immobiliser will be activated again automatically as soon as you pull the key out of the ignition lock. ▶

The instrument panel displays the following message[6]: **SAFE**. The vehicle cannot be started in this case

The engine can, however, be started if the appropriate coded SEAT genuine key is used.

Note

The vehicle cannot operate properly if you do not have a genuine SEAT key. ■

[6] Depending on the version of the model.

Steering column controls*

General notes

The column incorporates multifunctional modules from which to control audio and telephone functions on the vehicle.

There are two versions of the multifunction module:

- Audio version, to control the available audio functions from the steering wheel.
- Audio version+ Telephone version, to control the available audio functions and the telephone system from the steering wheel.

Both versions can be used to control the Audio system (Radio, Audio CD, MP3 CD, iPod[7]/USB[7]). ■

[7] If fitted in the vehicle.

Audio Control

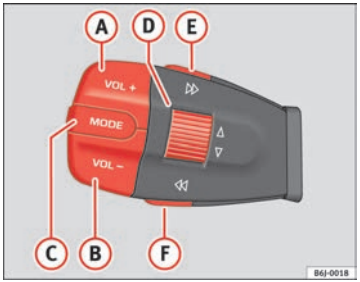

Fig. 37 Audio controls

Button	Short press			
	Radio	CD Audio	CD MP3/USB/iPod[a)]	AUX-IN
A	Volume up			
B	Volume down			
C	Cycle through source FM - AM - CD - FM...			
D	Station search. Higher frequency △.	Next track		No function
D	Station search. Lower frequency ▽	Previous track		No function
E	Next preset	No function	Change folder (forward)	No function
F	Previous preset	No function	Change folder (back)	No function

a) Only for MP3 compatible radios.*

Audio + Telephone Control

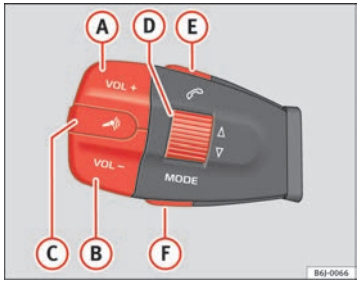

Fig. 38 Audio + Telephone Control

Button	Short press				Long press			
	Radio	CD	CD MP3/USB/iPod[a)]	AUX-IN	Radio	CD	CD MP3/USB/iPod[a)]	AUX-IN
A	Volume up				Continue volume up			
B	Volume down				Continue volume down			
C	Enable voice recognition. Press to speak				No function specified			
D	Station search. Higher frequency △	Next track		No function	Station search. Higher frequency △	Next track		No function

D	Station search. Lower frequency ▽	Previous track	No function	Station search. Lower frequency ▽	Previous track	No function
E	Accept call / hang up			Reject call		
F	Cycle through source FM - AM - CD - FM...			Cycle through source FM - AM - CD - FM.		

a) Only for MP3 compatible radios.

Unlocking and locking

Central locking

Description

The central locking system enables you to lock and unlock all doors by just pushing the button.

Central locking can be activated by using any of the following options:

- **the key**, by inserting it into the driver door cylinder and rotating it in the opening direction. Depending on the vehicle version, either all doors will be unlocked or only the driver door will be unlocked. All doors will be locked on locking the vehicle using the key.
- **the interior central locking button** ⇒ page 73.
- **the remote control**, using the buttons on the key ⇒ page 76.

Various functions are available to improve the vehicle safety:

- "Safe*" security system
- Selective unlocking system*
- Self-locking system to prevent involuntary unlocking
- Automatic speed-dependent locking and unlocking system*
- Emergency unlocking system

WARNING

- **Locking from the outside carelessly or without good visibility may lead to bruising, particularly in the case of children.**
- **When locking a vehicle, never leave children unaccompanied inside, as from the outside it will be difficult to provide assistance if required.**

WARNING (continued)

- **Having the doors locked prevents an intrusion from getting in, for example when stopped at a traffic light.**

Note

For anti-theft security, only the driver door is fitted with a lock cylinder. ■

"Safe"* Security system

This is an anti-theft device that consists of a double lock for the door locks and a disabling function for the luggage compartment in order to prevent a forced entry (depending on country).

Activation

The "safe" system is activated when the vehicle is locked using the key or the remote control.

To activate it with the key, rotate once it is inserted in the door lock cylinder in the locking direction.

To activate the system using the remote control, press the lock button once on the remote.

Once this system is activated, opening doors from the outside and the inside is not possible. The tailgate can not be opened. The central locking button does not work. ▶

Deactivation

Rotate the key inserted in the lock cylinder twice towards the locking direction.

To activate the system using the remote control, press the lock button on the remote twice 🔒 in less than five seconds.

On deactivating the “Safe” system, the alarm volumetric sensor is also deactivated.

With the “Safe” switched off, doors can be opened from the interior but not from the exterior.

See “Selective unlocking system*”

“Safe” status

On the driver door, there is a visible warning lamp which shows the “Safe” system status.

We will know that “Safe” system is activated by the flashing warning lamp. The indicator will flash on all vehicles, fitted and nor fitted with an alarm, until they unlock.

Remember:

Safe activated with or without an alarm: Warning lamp flashes continuously.

Safe deactivated without an alarm: The indicator remains off.

Safe deactivated with an alarm: The indicator remains off.

WARNING

No one should remain inside the vehicle if the “Safe” mechanism is activated because opening the doors will not be possible in case of emergency neither from the inside nor the outside. Danger of death. Passengers could become trapped inside in case of emergency. ■

Selective unlocking system*

This system allows to unlock either just the driver door or all the vehicle.

Driver door unlock button

Unlock once. Use either the key or the remote control.

Once the key is inserted in the lock cylinder, rotate once in the unlock direction. The driver door will remain without “Safe” and unlocked. See Anti-theft Alarm chapter for vehicles fitted with an alarm ⇒ page 78.

Using the remote control, press the unlock button on the remote 🔓 once. The Safe system for all the vehicle is deactivated, only the driver door is unlocked and both the alarm and the warning lamp are also turned off.

Unlocking all doors and the luggage compartment

The unlock button on the remote must be pressed twice 🔓 so that all doors and the luggage compartment can be opened.

Press twice within 5 seconds to deactivate the Safe system for all vehicle, to unlock all doors and to use the luggage compartment. The warning lamp and the alarm (only vehicles fitted with one) are turned off.

Unlocking the luggage compartment

See ⇒ page 80.

Activating the selective unlocking system*

With the door open, insert a key into the start cylinder and start the ignition. Insert the other key into the driver door lock and turn in the opening direction for at least 3 seconds. The turn signals will flash twice.

Deactivating the selective unlocking system*

With the door open, insert a key into the start cylinder and start the ignition. Insert the other key into the driver door lock and turn in the locking direction for at least 3 seconds. The turn signals will flash once. ■

Involuntary unlocking

It is an anti-theft system and prevents the unintentional unlocking of the vehicle.

If the vehicle is unlocked and any of the doors (including the tailgate) are opened within 30 seconds, it gets re-locked automatically. ■

Automatic speed dependent locking and unlocking system*

This is a safety system which prevent the access to the vehicle from the outside when it is running (for example, when stopped at a traffic light).

Locking

The doors lock automatically after exceeding 15km/h. The tailgate locks automatically after exceeding 6 km/h.

If the vehicle is stopped and any of its doors open, when starting again and exceeding the mentioned speed, all doors will lock again.

Unlocking

On withdrawing the ignition key, the vehicle will returns to its status prior to self-locking.

Each door can be unlocked and opened independently from the inside (for example, when a passenger gets out of it). To do it, simply operate the lever inside the door.

Activating the system*

With the ignition on, press the locking key on the central locking system within 3 to 10 seconds.

Deactivating the system*

With the ignition on, press the unlocking key on the central locking system within 3 to 10 seconds.

In both cases, if the operation has been carried out correctly, the locking lamp will flash ⇒ page 73, fig. 39.

WARNING

The door handles must not be operated when the vehicle is running: the door would open.

Note

If the airbags are triggered during an accident, the vehicle is unlocked, except for the luggage compartment. It is possible to lock the vehicle from inside with the central locking, after turning the ignition off and back on again. ■

Emergency unlocking system

If the airbags are triggered during an accident, the vehicle is unlocked, except for the luggage compartment. It is possible to lock the vehicle from inside with the central locking, after turning the ignition off and back on again. ■

Central locking button*

The central locking button allows you to lock and unlock the vehicle from the inside.

Fig. 39 Central locking button

Locking the vehicle

– Press the 🔒 ⇒ fig. 39 ⇒ ⚠ button.

Unlocking the doors

– Press the button 🔓 ⇒ fig. 39.

The central locking button is still operative when the ignition is switched off. Except when the Safe security system is activated.

Please note the following if you lock your vehicle with the central locking button:

- Locking the doors and tailgate prevents access from the *outside* (for safety reasons, e.g. when stopped at a traffic light).
- The driver door cannot be locked. This avoids the user from forgetting his key inside the vehicle.
- All doors can be locked separately from inside the car. Do this by pulling the door release lever *once*.

WARNING

- **If the vehicle is locked, children and disabled people may be trapped inside it.**
- **Repeated operation of central locking will prevent the central locking button from working for a few seconds. Then, it can only be unlocked in case it has been previously locked. After few seconds, the central locking becomes operative again.**
- **The central locking button is not operative when the vehicle is locked from the outside (with the remote control or the key).**

Note

- Vehicle locked, 🔒 button.
- Vehicle unlocked, 🔓 button. ■

Childproof lock

The childproof lock prevents the rear doors from being opened from the inside. This system prevents minors from opening a door accidentally while the vehicle is running.

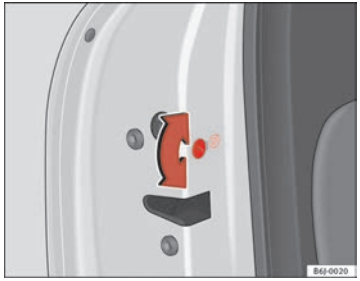

Fig. 40 Childproof lock on the left hand side door

This function is independent of the vehicle electronic opening and locking systems. It only affects rear doors. It can only be activated and deactivated manually, as described below:

Activating the childproof lock

– Unlock the car and open the door in which you wish to activate the childproof lock.

– With the door open, rotate the groove in the door using the ignition key, anti-clockwise for the left hand side doors ⇒ fig. 40 and clockwise for the right hand side doors.

Deactivating the childproof lock

– Unlock the car and open the door whose childproof lock you want to deactivate.

– With the door open, rotate the groove in the door using the ignition key, anti-clockwise for the right hand side doors and clockwise for the left hand side doors ⇒ fig. 40.

Once the childproof lock is activated, the door can only be opened from the outside. The childproof lock can be activated and deactivated by inserting the key in the groove when the door is open, as described above. ■

Keys

Set of keys

*The set of keys includes a remote control, a key without a remote control and a plastic key tab**

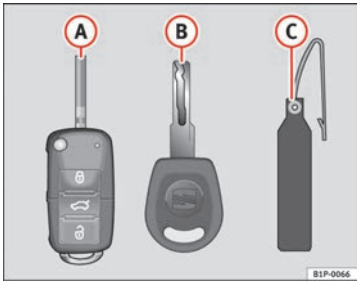

Fig. 41 Set of keys

The set of keys may consists of the following, depending on the version of your vehicle:

- a remote control key ⇒ fig. 41 (A)
- a key without remote control (B),
- a plastic key tab* (C).

or

- two keys without remote control (B)
- a plastic key tab* (C).

Duplicate keys

If you need a replacement key, go to an Authorised Service Centre with your vehicle identification number.

WARNING

- **An incorrect use of the keys can cause serious injuries.**
- **Never leave children or disabled persons in the vehicle. In case of emergency, they may not be able to leave the vehicle and not manage on their own.**
- **An uncontrolled use of the key could start the engine or activate any electric equipment (e.g. electric windows), causing risk of accident. The doors can be locked using the remote control key. This could make the aid difficult in an emergency situation.**
- **Never forget the keys inside the vehicle. An unauthorised use of your vehicle could result in injury, damage or theft. Always take the key with you when you leave the vehicle.**
- **Never remove the key from the ignition if the vehicle is in motion. Otherwise, the steering could suddenly block and it would be impossible to steer the vehicle.**

Caution

There are electronic components in the remote control key. Avoid wetting and hitting the keys. ■

Radio frequency remote control*

Locking and unlocking the vehicle

The remote control key is used to lock and unlock the vehicle from a distance.

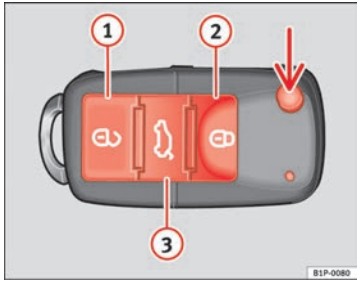

Fig. 42 Assignment of buttons on the remote control key

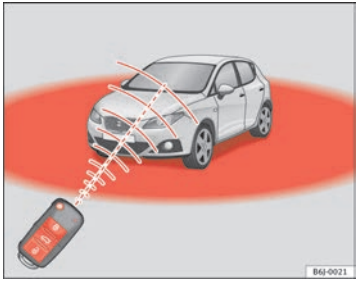

Fig. 43 Range of the remote control

Using the button ⇒ fig. 42 (arrow) on the control, the key shaft is released.

Unlocking the vehicle ⇒ fig. 42 (1).

Locking the vehicle ⇒ fig. 42 (2).

Unlocking the tailgate. Press button ⇒ fig. 42 (3) until all the turn signals on the vehicle flash briefly. When the unlocking button (3) is pressed, you have 2 minutes to open the door. Once this time has passed, it will lock again.

Also, the battery indicator on the key ⇒ fig. 43, will flash.

The remote control transmitter and the batteries are integrated in the key. The receiver is inside the vehicle. The maximum range depends on different factors. The range is reduced as the batteries start to lose power.

WARNING

- **An improper use of the key can cause serious injuries.**

WARNING (continued)

- **Never leave children or disabled persons in the vehicle. In case of emergency, they may not be able to leave the vehicle and not manage on their own.**
- **Never forget the keys inside the vehicle. Otherwise, this could result in serious injuries, accidents or even the theft of your vehicle. Always take the key with you when you leave the vehicle.**
- **An uncontrolled use of the key could start the engine or activate any electric equipment (e.g. electric windows), causing risk of accident. The vehicle can be locked when using the remote control key. This could complicate the aid in case of emergency.**

Note

- The remote control key functions only when you are within range ⇒ page 76, fig. 43.
- If the vehicle cannot be unlocked or locked by using the radio-frequency remote control, the remote control key will have to be re-synchronised. For this, go to your Technical Service. ■

Changing the battery

If the battery indicator does not flash when the buttons are pushed, the battery must be replaced.

Caution

The use of inappropriate batteries may damage the radio frequency remote control. For this reason, always replace the dead battery with another of the same size and power.

For the sake of the environment

The flat batteries must be thrown away in accordance with regulations governing the protection of the environment. ■

Synchronising the remote control key

If it is not possible to unlock or lock the door with the remote control, it should be re-synchronised.

While the vehicle is open:

– Press the button (2) ⇒ page 76, fig. 42 on the remote control.

– Then close the vehicle using the key bit **within one minute**.

While the vehicle is closed:

– Press the button (1) ⇒ page 76, fig. 42 on the remote control.

– Then close the vehicle using the key bit **within one minute**.

It is possible that the vehicle could no longer be opened and closed with the remote control if the button is repeatedly pressed outside of the effective range of the radio frequency remote control. The remote control key will have to be resynchronised.

Spare remote control keys are available in your Authorised Service Centres, where they must be matched to the locking system.

Up to five remote control keys can be used. ■

Anti-theft alarm system*

Description of anti-theft alarm system*

The anti-theft alarm triggers if unauthorised movements are detected around the vehicle.

The anti-theft alarm makes it more difficult to break into the vehicle or steal it. The system will initiate acoustic and optical warning signals when your vehicle is tried to be forced.

The anti-theft alarm system is automatically connected on locking the vehicle. For this, either rotate the key in the locking position or press button 2 on the radio-frequency remote control*. The system is immediately activated and the turn signal light located on the driver door will flash along with the turn signals, indicating that the alarm and the locking security system (double lock) have been turned on.

If any of the doors or the bonnet are open, they will not be included in the protection zones of the vehicle when the alarm is connected. If the door or the bonnet are subsequently closed, they will be automatically included in the protection areas of the vehicle and the turn signals will flash accordingly when the doors close.

- The turn signal light will flash twice on opening and deactivating the alarm..
- The turn signal light will flash once on closing and activating the alarm.

When does the system trigger an alarm?

The system triggers an alarm if the following unauthorised actions are carried out when the car is locked:

- Opening of vehicle with mechanical key without switching ignition on within the next 15 seconds
- Opening a door
- Opening the bonnet
- Opening the tailgate
- Ignition switched on with a non-validated key.
- Movements in the driving compartment (vehicles with a volume sensor)
- Towing of the vehicle[8)]
- Tilt angle (tow-away protection)[8)]
- Undue manipulation of the alarm
- Battery handling

The acoustic signals sound and the turn signals flash for approx. 30 seconds. This may be repeated up to 10 times depending on the country.

How to switch the alarm off

To deactivate the anti-theft alarm, turn the key in the direction, to open, open the door and switch the ignition on, or press the unlock button on the remote control.

In vehicles equipped with an anti-theft alarm system, you have 15 seconds to insert the key in the ignition lock and activate the ignition if the vehicle is opened using the driver door key.

Otherwise, the alarm will trigger for 30 sec. and the ignition will be blocked.

Note

- After 28 days, the indicator light will be switched off to prevent the battery from exhausting if the vehicle has been left parked for a long period of time. The alarm system remains activated.
- The alarm will trigger again if attempts are made to open another protection zone.
- The alarm system can be activated or deactivated using the remote control. ⇒ page 76. ■

8) With vehicles fitted with a tow-away protection

Interior monitoring and anti-towing alarm*

Monitoring or control function incorporated in the anti-theft alarm which detects unauthorized vehicle entry by means of ultrasound.*

Activation

– It is connected automatically when the anti-theft alarm is activated.

Deactivation

– Open the vehicle with the key, either mechanically[9] or by pressing the button on the remote control.

– Press the button on the remote control twice. The volumetric sensor and tilt sensors will be deactivated. The alarm system remains activated.

The interior monitoring and the anti-towing alarm are automatically switched on again next time the vehicle is locked.

The interior monitoring and anti-towing alarm (tilt sensor) are automatically switched on when the anti-theft alarm is switched on. In order to activate it, all the doors and the tailgate must be closed.

If you wish to disconnect the interior monitoring and the anti-towing system, it must be done each time that the vehicle is locked; if not, they will connect automatically.

The interior monitoring and the anti-towing system should be disconnected if animals are left inside the locked vehicle (otherwise, their movements will trigger the alarm) or when, for example, the vehicle is transported or has to be towed with only one axle on the ground.

False alarms

The interior monitoring only operates correctly if the vehicle is completely closed. Please observe legal requirements when doing so.

The following cases may cause a false alarm:

- opened windows (partially or fully)
- panorama/tilting roof open (partially or completely).
- movement of objects inside the vehicle, such as loose papers, items hanging from the rear view mirror (air fresheners), etc.

Note

- If the vehicle is relocked and the alarm is activated without the volumetric sensor function, relocking will activate the alarm with all its functions, except the volumetric sensor. This function is reactivated when the alarm is switched on again, unless it is deliberately switched off.
- If the alarm has been triggered by the volumetric sensor, this will be indicated by a flashing of the indicator on the driver door. The flash is different to the flash indicating the alarm is activated.
- The vibration of a mobile phone left inside the vehicle may cause the interior monitoring alarm to trigger, as both sensors react to movements and shakes inside the vehicle.
- If on activating the alarm, any door or the tailgate is open, only the alarm will be activated. The interior monitoring and the anti-towing system will only be activated once all the doors are closed (including the tailgate). ■

[9] The time period from when the door is opened until the key is inserted in the contact should not exceed 15 sec., otherwise the alarm will be triggered.

Tailgate

Unlocking and locking

The operation of the tailgate opening system is electric. It is activated by using the handle on the tailgate

Fig. 44 Tailgate: opening from the outside

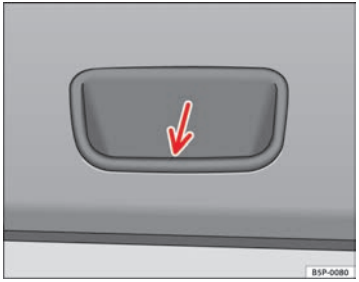

Fig. 45 Detail of the inside of the tailgate: hand grip

Opening the tailgate

– Pull on the release lever and lift the tailgate ⇒ fig. 44. The tailgate will be automatically open.

Closing the tailgate

– Hold the tailgate by one of the two handles on the interior lining and close it, pushing slightly.

The system may or may not operate depending on the situation of the vehicle.

If the tailgate is locked then it cannot be opened, however if it is unlocked then the opening system is operative and the tailgate may be opened.

To change the locking / unlocking status, press the button or the button 1 ⇒ page 76, fig. 42 on the remote control key.

A warning appears on the instrument panel if the tailgate is open or not properly closed.* An acoustic warning signal is also given if the tailgate is opened while the vehicle is moving faster than 6 km/h.*

WARNING

- **Always close the tailgate properly. Risk of accident or injury.**
- **The tailgate must not be opened when the reverse or rear fog lights are lit. This may damage the tail lights**
- **Do not close the tailgate by pushing it down with your hand on the rear window. The glass could smash. Risk of injury!**
- **Ensure the tailgate is locked after closing it. If not, it may open unexpectedly while driving.**
- **Never allow children to play in or around the vehicle. A locked vehicle can be subjected to extremely high and low temperatures, depending on the time of year, thus causing serious injuries/illness. It could even have fatal consequences. Close and lock both the tailgate and all the other doors when you are not using the vehicle.**
- **Closing the tailgate without observing and ensuring it is clear could cause serious injury to you and to third parties. Make sure that no one is in the path of the tailgate.**
- **Never drive with the tailgate open or half-closed, exhaust gases may penetrate into the interior of the vehicle. Danger of poisoning!**
- **If you only open the tailgate, do not leave the key inside. The vehicle will not be opened if the key is left inside.** ■

Emergency opening

This allows the vehicle to be opened if the central locking does not operate (for example, if the battery is flat)

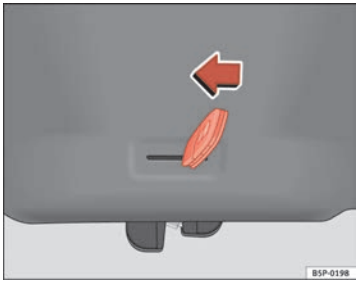

Fig. 46 Tailgate: emergency open

There is a groove in the luggage compartment allowing access to the emergency opening mechanism.

Opening the tailgate from inside the luggage compartment

– Insert the key in the groove and unlock the locking system, turning the key from right to left, as shown by the arrow ⇒ fig. 46. ■

Windows

Opening or closing the windows electrically*

The front and rear electric windows can be operated by using the controls on the driver door. The other doors each have a switch for their own window.

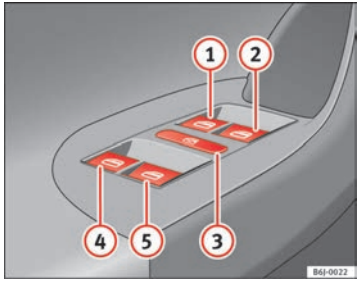

Fig. 47 Detail of the driver door: controls for the front and rear windows

Opening and closing the windows

– Press the button to open the window.

– Pull button to close the window ⇒ ⚠.

Always close the windows fully if you park the vehicle or leave it unattended ⇒ ⚠.

You can use the electric windows for approx. 10 minutes after switching off the ignition if neither the driver door nor the front passenger door has been opened and the key has not been removed from the ignition.

Buttons on the driver door

1. Button for window in front left door
2. Button for window in front right door
3. Safety switch for deactivating the electric window buttons in the rear doors
4. Button for window in rear left door
5. Button for window in rear right door

**Safety switch *

Safety switch 3 on the driver door can be used to disable the electric window buttons in the rear doors.

Safety switch not pressed: buttons on rear doors are activated.

Safety switch pressed: buttons on rear doors are deactivated.

⚠ WARNING

- **Incorrect use of the electric windows can result in injury.**
- **Never close the tailgate without observing and ensuring it is clear, to do otherwise could cause serious injury to you and third parties. Make sure that no one is in the path of a window.**
- **Always take the vehicle key with you when you leave the vehicle.**
- **Never leave children or disabled persons in the vehicle, particularly if they have access to the keys. The misuse of the keys, for example, by children, may result in serious injury and accident.**
- **The engine may accidentally be started and be out of control.**
- **If the ignition is switched on, the electric equipment could be activated with risk of injury, for example, in the electric windows.**
- **The doors can be locked using the remote control key. This could make the aid difficult in an emergency situation.**
- **Always take the key with you when you leave the vehicle.**

WARNING (continued)

- **The electric windows will work until the ignition has been switched off and one of the front doors has been opened.**
- **If necessary, use the safety switch to disable the rear electric windows. Make sure that they have been disabled.**

Note

If the window is not able to close because it is stiff or because of an obstruction, the window will automatically open again ⇒ page 83. If this happens, check why the window could not be closed before attempting to close it again. ■

One-touch opening and closing*

One-touch opening and closing means you do not have to hold down the button.

Buttons ⇒ page 82, fig. 47 (1), (2), (4) and (5) have two positions for opening windows and two for closing them. This makes it easier to open and close windows to the desired position.

One-touch closing

– Pull up the window button briefly up to the second position. The window closes fully.

One-touch opening

– Push down the window button briefly up to the second position. The window opens fully.

Restoring one-touch opening and closing

– The automatic open and close function will not work if the battery has been temporarily disconnected. The function can be restored as follows:

– Close the window as far as it will go by lifting and holding the window switch.

– Release the switch and then lift it again for one second. This will re-enable the automatic function.

If you push (or pull) a button to the first stage, the window will open (or close) until you release the button. If you push or lift the button briefly to the second stage, the window will open (one-touch opening) or close (one-touch closing) automatically. If you operate the button while the window is opening or closing, it stops at this position.

The one-touch opening and closing function will not function once the ignition has been switched off.

The one-touch function and roll-back function will not work if there is a malfunction in the electric windows. Contact an Authorised Service Centre. ■

Roll-back function

The roll-back function reduces the risk of injury when the electric windows close.

- If a window is obstructed when closing automatically, the window stops at this point and lowers immediately ⇒ ⚠.
- Next, check why the window does not close before attempting it again. ▶

- If you try within the following 10 seconds and the window closes again with difficulty or there is an obstruction, the automatic closing will stop working for 10 seconds.
- If the window is still obstructed, the window will stop at this point.
- If there is no obvious reason why the window cannot be closed, try to close it again by pulling the tab within ten seconds. The window closes with maximum force. **The roll-back function is now deactivated.**

If more than 10 seconds pass, the window will open fully when you operate one of the buttons. One-touch closing is reactivated.

The one-touch function and roll-back function will not work if there is a malfunction in the electric windows. Contact an Authorised Service Centre.

WARNING

- **Incorrect use of the electric windows can result in injury.**
- **Always take the key with you when leaving the vehicle, even if you only intend to be gone for a short time. Please ensure that children are never left alone inside the vehicle.**
- **The electric windows will work until the ignition has been switched off and one of the front doors has been opened.**
- **Closing the windows without observing and ensuring it is clear could cause serious injury to you and third parties. Make sure that no one is in the path of a window.**
- **Never allow people to remain in the vehicle when you close the vehicle from the outside. The windows cannot be opened even in an emergency.**
- **The roll-back function does not prevent fingers or other parts of the body from getting pinched against the window frame, causing injury.** ■

Convenience opening and closing*

Using the door lock*

– Hold the key in the door lock of the driver door in either the locking or the unlocking position until all windows are either opened or closed.

– Release the key to interrupt this function.

Using the remote control

– Keep the locking/unlocking button pressed for the electrical window risers to open/close; if you stop pressing the button, the window raising/lowering function is stopped.

– If the automatic raising is stopped and immediately after, the opening button is kept pressed, the window risers will lower.

– Once the windows are completely closed, the turn signals will flash. ■

Panorama tilting roof*

Opening and closing the panorama/tilting roof

The panorama/tilting roof is opened and closed by using the switch when the ignition is switched on.

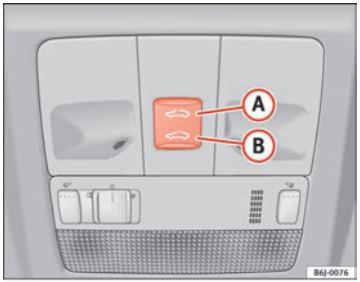

Fig. 48 Panorama/tilting sunroof

Closing the panorama/tilting sunroof

– Press and hold button (B) ⇒ fig. 48 ⇒ ⚠. The roof starts to close until the button is released.

Opening the panorama/tilting sunroof

– Press and hold down button (A). The roof starts opening until the button is released.

Automatic closing of the panorama/tilting sunroof

– Press button (B) once only; the roof starts closing automatically until it is completely closed.

Automatic opening of the panorama/ tilting sunroof

– Press button (A) once only. The roof starts opening automatically until it is completely open.

Restoring one-touch opening and closing

– Close the roof manually until it is completely closed. Release the button

– Press the closing button again, keeping it pressed down, until a complete opening and closing cycle has taken place.

Always close the panorama/tilting roof fully if you park the vehicle or leave it unattended ⇒ ⚠.

The tilting roof can be operated for up to about ten minutes after the ignition has been switched off, provided the driver door and the front passenger door are not opened.

Sun visor

The sun visor is opened and closed manually (independently of the sliding/ tilting roof).

⚠ WARNING

- **Incorrect use of the tilting roof can result in injury.**
- **Never close the tilting sunroof without first checking that there are no obstructions. Risk of serious injury to you or others. Make sure that no one is in the path of the tilting roof.**
- **Always take the vehicle key with you when you leave the vehicle.**

WARNING (continued)

- **Never leave children or disabled persons in the vehicle, particularly if they have access to the keys. Unsupervised use of a key could mean that the engine is started or that electrical equipment is used (e.g. electric tilting sunroof) with a risk of accident. The doors can be locked using the remote control key. This could make the aid difficult in an emergency situation.**
- **The tilting sunroof continues to function until one of the front doors is opened and the key removed from the ignition.**
- **Ensure that no object and/or end is between the glass and the roof when the one-touch opening/closing function is reset.** ■

Convenience closing*

Using the door lock

– Hold the key in the door lock of the driver door in the locking position until the tilting sunroof is closed.

– Release the key to interrupt this function.

Using the remote control

– Push the lock button on the remote control for about 3 seconds. The tilting roof closes.

– Press the unlock button to interrupt the function. ■

Roll-back function of the panorama/ tilting roof*

The panorama/ tilting roof has a *roll-back function* which prevents larger objects getting trapped when the roof is closed. The roll-back function does not prevent fingers getting pinched against the roof opening. The tilting sunroof stops and opens again immediately if it is obstructed when closing. ■

Operation in case of breakdown

In case of a breakdown, the sunroof may be closed manually.

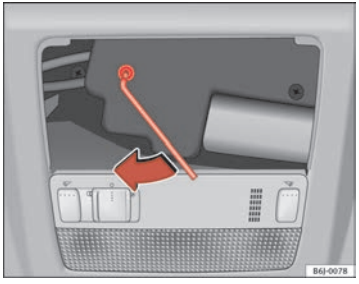

Fig. 49 Emergency operation of the panorama/ tilting roof

– Remove the plastic cover by inserting a screwdriver into the rear section.

– Insert an Allen key (4 mm) into the opening as far as possible and close the roof. ■

Lights and visibility

Lights

Switching lights on and off

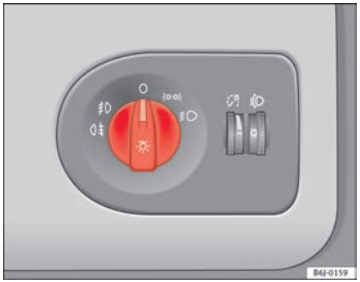

Fig. 50 Detailed view of the dash panel: lights, fog lights and rear fog light switch

Switching on the side lights

– Turn the light switch ⇒ fig. 50 to position.

Switching on dipped beam headlights

– Turn the light switch to position.

Switching off the lights

– Turn the light switch to position 0.

Switching on the front fog lights*

– Turn the switch from position or to the first stop and pull it. The symbol in the light switch lights up.

Switching on the rear fog light (vehicles with front fog lights)

– Turn the lights control from position or to the second stop and pull out ⇒ . A warning lamp placed in the instrument panel lights up.

Switching on the rear fog light (vehicles with no front fog lights)

– Turn the light control to the end from position or and pull it. A warning lamp placed in the instrument panel lights up.

WARNING

Never drive with just the side lights on. Risk of accident. The side lights are not bright enough to illuminate the road ahead and to ensure that other road users are able to see you. Always use your dipped beam headlights if it is dark or if visibility is poor.

Note

- The dipped beam headlights will only work with the ignition on. The side lights come on automatically when the ignition is turned off.
- If the lights are left on after the key has been taken out of the ignition lock, a buzzer will sound while the driver door remains open. This is a reminder to switch the lights off.

- The rear fog light is so bright that it can dazzle drivers behind you. You should use the rear fog light only when visibility is very poor.
- The use of the lighting described here is subject to the relevant statutory requirements. ■

Automatic lighting*

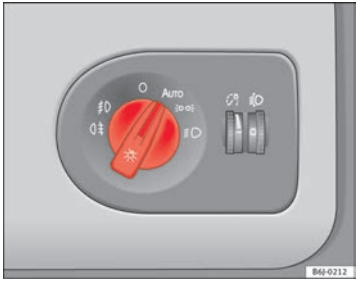

Fig. 51 Automatic lighting

Activation

– Rotate the switch to the position “Auto”, this indication will light up.

Deactivation

– Turn the light switch to 0.

Automatic lighting

If automatic headlight control is switched on, dipped beam headlights are automatically switched on by a photosensor if you drive into a tunnel, for example.

WARNING

- **If automatic headlight control is switched on, the headlights will not be switched on in fog or heavy rain. Therefore, the dipped beam must be switched on manually.**

Note

- For those vehicles with the automatic headlight system, when the key is removed from the ignition, the acoustic signal will only sound if the light control is in the position or if the vehicle is not fitted with the coming home function.
- If the daylight driving automatic light function is switched on, the fog lights or rear fog light cannot be switched on in addition.
- The use of the lighting described here is subject to the relevant statutory requirements.
- Do not put stickers on the windscreen in front of the sensor. This may cause disruptions or faults in the automatic lighting system. ■

Instrument and switch lighting / Headlight range control

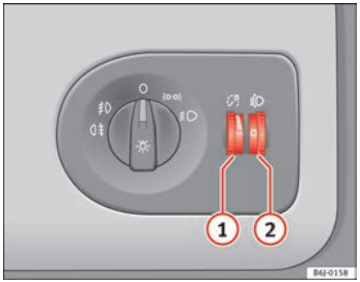

Fig. 52 Dash panel: regulation for instrument and switch illumination and headlight range control

Instrument and switch lighting (1)

When the headlights are switched on, the brightness of the instruments and switch lighting can be regulated to suit your requirements by turning the thumb wheel ⇒ fig. 52 (1).

Those vehicles fitted with xenon gas discharge headlights are fitted with an automatic headlight range system.

Headlight range control (2)

By using the electrical headlight range control, (2) you can adjust the headlight range to the load level that is being carried in the vehicle. This way, it is possible to avoid dazzling oncoming traffic more than necessary. At the same time, by using the correct headlight settings, the driver has the best possible lighting for the road ahead.

The headlights can only be adjusted when the dipped beam is switched on. To lower the beam, turn the thumb wheel down (2) from the basic setting **0**.

Dynamic headlight range control

Vehicles with **gas discharge bulbs** (xenon bulbs) **are equipped with dynamic headlight range control**. When you switch on the lights, their range regulates itself according to the vehicle load.

Vehicles with gas discharge bulbs do not have headlight range control. ■

Daytime running lights*

Daytime running lights light up automatically when the ignition is switched on (only with AFS headlights)

Daylight driving lights switch off automatically when the street lighting comes on.

Note

See legal requirements for each country. ■

Adaptive headlights* (for driving round bends)

When driving around bends, the headlights will light the most important areas of the road.

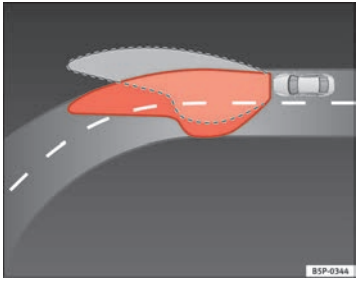

Fig. 53 Cornering lighting using adaptive headlights

This cornering light gives better illumination of the side of the road and the corner area. The dynamic lighting is controlled automatically according to speed and the steering wheel angle.

The two main headlights move at different angles to avoid that the front of the vehicle is left completely in the dark.

Note

The system operates from a speed of about 10 km/h. ■

Fog lights with cornering function*

This is an additional light source to dipped beam headlights to light up the road as a bend is taken.

The cornering light operates with the lights switched on and when driving at less than 40 Km/h. They light up when the steering wheel is turned or the flashers are operated.

Forward gear

- If the steering wheel is turned to the right, or the right-hand turn signal operated, the right-hand headlight lights up.
- If the steering wheel is turned to the left, or the left-hand flasher operated, the left-hand headlight lights up.

In reverse gear both headlights light up.

Note

When the fog lamps are on, the cornering function is activated and both headlights are continuously on. ■

Coming home function*

When it is dark, the area around the car is lit up with the aid of the Coming Home / Leaving Home function.

To activate the function

– Remove key from ignition switch.

– Switch the light off.

– Open the driver door. ▶

– Push the headlight lever to the main beam position ≡D.

– Dipped headlights come on when the door is opened.

You have 2 mins. from when the key is taken out of the ignition switch to when the lights flash; after this, the Coming home function will not activate. To activate it again, repeat the operation.

When the system is activated, dipped beam headlights remain on for 30 secs. after closing the door. If the door is open for more than 3 mins., the system will not remain active after the 3 mins., which means that the dipped lights will not light up.

Note

- If the vehicle is often used during the night for short trips and the Coming home function is used, the battery will considerably discharge. To avoid this, make longer journeys whenever possible.
- Observe all relevant legal requirements when using the signalling and lighting systems described here. ■

Heated rear window

Fig. 54 Centre console: heated rear window switch

The heated rear window only works when the engine is running. When it is switched on, a lamp lights up on the switch.

After approx. 8 minutes, the heating device of the rear window switches off automatically.

For the sake of the environment

The heated rear window should be disconnected as soon as the glass is demisted. By saving electrical power you can also save fuel.

Note

To avoid possible damage to the battery, an automatic temporary disconnection of this function is possible, coming back on when normal operating conditions are re-established. ■

Hazard warning lights ⚠

The hazard warning lights are used to draw the attention of other road users to your vehicle in emergencies.

Fig. 55 Centre console: switch for hazard warning lights

If your vehicle breaks down:

1. Park your vehicle at a safe distance from moving traffic.
2. Press the button to switch on the hazard warning lights ⇒ ⚠.
3. Switch the engine off.
4. Apply the handbrake.
5. On a manual gearbox engage 1st gear, and for an automatic move the gear lever to **P**.
6. Use the warning triangle to draw the attention of other road users to your vehicle.
7. Always take the vehicle key with you when you leave the vehicle.

You should switch on the hazard warning lights to warn other road users, for instance when:

- reaching the tail end of a traffic jam,
- there is an emergency
- your vehicle breaks down due to a technical fault,
- you are towing another vehicle or your vehicle is being towed.

All turn signals flash simultaneously when the hazard warning lights are switched on. That is that the two turn signal turn signal lamps ⇦⇨ and the turn signal lamp in the switch ⚠ will flash at the same time. The hazard warning lights also work when the ignition is switched off.

WARNING

- **The risk of an accident increases if your vehicle breaks down. Always use the hazard warning lights and a warning triangle to draw the attention of other road users to your stationary vehicle.**
- **Never park where the catalytic converter could come into contact with inflammable materials under the vehicle, for example dry grass or spilt petrol. This could start a fire!**

Note

- The battery will run down if the hazard warning lights are left on for a long time, even if the ignition is switched off.
- The use of the hazard warning lights described here is subject to the relevant statutory requirements. ■

Turn signal and main beam headlight lever

The turn signal and main beam lever also operates the parking lights and the headlight flasher.

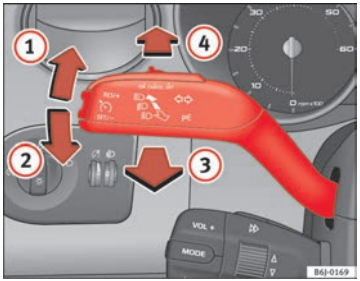

Fig. 56 Turn signal and main beam headlight lever

The turn signal and main beam headlight lever has the following functions:

Switching on the turn signals

– Move the lever all the way up ⇒ fig. 56 (1) to indicate **right**, and all the way down (2) to indicate **left**.

Signalling a lane change

– Push the lever up (1) or down (2) to the point where you incur resistance and then release it. The turn signal will flash several times. The corresponding warning lamp will also flash.

Switching main beam on and off

– Turn the light switch to position ≡D.

– Press the lever forward ⇒ fig. 56 (4) to switch on the main beams.

– Pull the lever back towards you to switch the main beam headlights off again.

Headlight flashers

– Pull the lever towards the steering wheel (3) to operate the flasher.

Switching on parking lights

– Switch the ignition off and remove the key from the lock.

– Move the lever up or down to turn the right or left-hand parking lights on, respectively.

⚠ WARNING

The main beam can dazzle other drivers. Risk of accident! Never use the main beam headlights or the headlight flasher if they could dazzle other drivers.

Note

- The *turn signals* only work when the ignition is switched on. The corresponding warning lamp ⇦ or ⇨ flashes in the instrument panel. The warning lamp ⇦⇨ flashes when the turn signals are operated, provided a trailer is correctly attached and connected to the vehicle. If a turn signal bulb is defective, the warning lamp flashes at double speed. If the trailer turn signal bulbs are damaged, warning lamp ⇦⇨ does not light up. Change the bulb. ▶

- The *main beam headlights* can only be switched on if the dipped beam headlights are already on. The warning lamp ≡D then comes on in the instrument panel.
- The *headlight flasher* comes on for as long as you pull the lever – even if no other lights are switched on. The warning lamp ≡D then comes on in the instrument panel.
- When the *parking lights* are switched on, the headlight and the tail light on the corresponding side of the vehicle light up. The parking lights will only work if the key is removed from the ignition. If the lights are switched on, a **buzzer** gives an warning buzzer while the driver door is open.
- If the turn signal lever is left on after the key has been taken out of the ignition lock, an acoustic signal sounds when the driver door is opened. This is a reminder to switch off the turn signal, unless of course you wish to leave the parking light on. ■

Interior lights

Front interior light

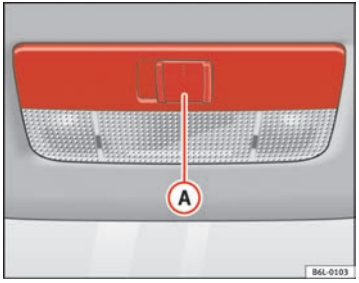

Fig. 57 Interior roof trim: front interior lights

The switch (A) ⇒ fig. 57 is used to select the following positions:

Courtesy light position

Sliding switch in central position The interior lights are automatically switched on when the vehicle is unlocked or the key removed from the ignition lock. And turn off approx. 20 seconds after closing the doors. The interior lights are switched off when the vehicle is locked or when the ignition is switched on.

Interior light switched on

Move the knob to the position .

Interior light switched off O

Move the switch to position O ⇒ fig. 57.

Note

If not all the vehicle doors are closed, the interior lights will be switched off after approx. 10 minutes, providing the key has been removed and the courtesy light position selected. This prevents the battery from discharging. ■

Front reading light*

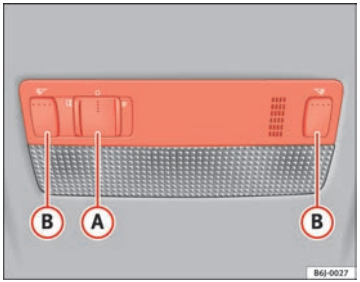

Fig. 58 Front reading light

Switching on the reading light

Press the corresponding button (B) ⇒ fig. 58to switch on the reading light.

Switching the reading lights off

Press the corresponding button to switch the reading light off. ■

Luggage compartment light*

The light is activated when the tailgate is open, even when the ignition and lights are turned off. For this reason, ensure that the tailgate is always closed. ■

Visibility

Sun visors

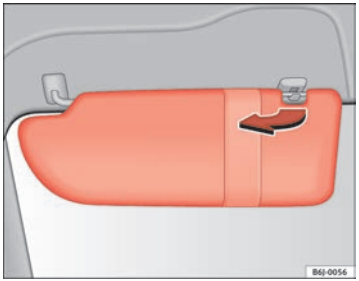

Fig. 59 Sun visor on the driver side

The sun visors for the driver and the front passenger can be pulled out of their mountings in the centre of the vehicle and turned towards the doors ⇒ fig. 59.

The driver sun visor has compartments for cards, and the passenger sun visor has a vanity mirror with a cover*. ■

Windscreen wipers

Front windscreen wipers

The windscreen wiper lever controls the windscreen wipers and the automatic wash and wipe.

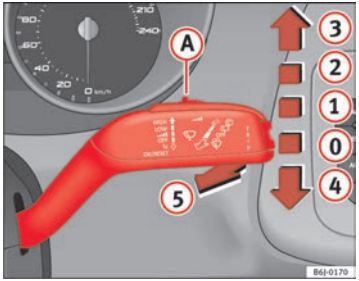

Fig. 60 Windscreen wiper and windscreen wash lever

The windscreen wiper lever ⇒ fig. 60 has the following positions:

Switching off the wipers

– Move the lever to position (0).

Intermittent wipe

– Move the lever up to position (1).

– Move the control (A) to the left or right to set the length of the intervals. Control to the left: long intervals; control to the right: short intervals. Four wiper interval stages can be set using switch (A).

Slow wipe

– Move the lever up to position (2).

Continuous wipe

– Move the lever up to position (3).

Brief wipe

– Move the lever down to position (4) to give the windscreen a *brief* wipe.

Wash and wipe automatic system

– Pull the lever towards the steering wheel - Position (5), the windscreen washer is activated.

– Release the lever. The wipers-washers will keep running for approximately four seconds.

The windscreen will be wiped again after approximately five seconds once the wipe/wash system has been operated.

WARNING

- **Worn and dirty wiper blades reduce visibility and safety levels while driving.**
- **In cold conditions, you should not use the wash / wipe system unless you have warmed the windscreen with the heating and ventilation system.**

WARNING (continued)

The washer fluid could otherwise freeze on the windscreen and obscure your view of the road.

- **Always note the corresponding warnings on ⇒ page 188.**

Caution

In icy conditions, always check that the wiper blades are not frozen to the glass before using the wipers for the first time. If you switch on the wipers when the wiper blades are frozen to the windscreen, you could damage both the wiper blades and the wiper motor.

Note

- The windscreen wipers will only work when the ignition is switched on.
- The heat output of the heated jets* is controlled automatically when the ignition is switched on, depending upon the outside temperature.
- In certain versions of vehicles with alarms, the windscreen wiper will only work when the ignition is on and the bonnet closed.
- When the intermittent wipe function is on, the intervals are directly proportional to the speed. This way, the higher the vehicle speed the shorter the intervals. ■

Rain sensor*

The rain sensor controls the frequency of the windscreen wiper intervals, depending on the amount of rain.

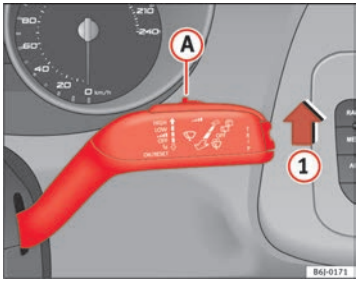

Fig. 61 Windscreen wiper lever

Switching on the rain sensor

– Move the windscreen wiper lever into position (1) ⇒ fig. 61.

– Move the control (A) to the left or right to set the sensitivity of the rain sensor. Control to the right: highly sensitive. Control to the left: less sensitive.

The rain sensor is part of the interval wipe function. You will have to switch the rain sensor back on if you switch off the ignition. This is done by switching the wiper intermittent function off and back on. ▶

Note

- Do not put stickers on the windscreen in front of the sensor. This may cause sensor disruption or faults. ■

Rear window wiper

The windscreen wiper lever operates the windscreen wiper and the wash and wipe system for the rear window.

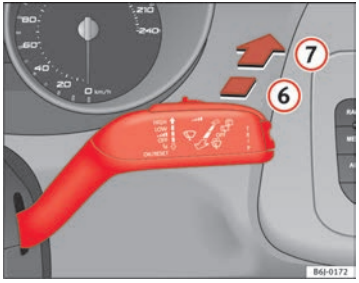

Fig. 62 Windscreen wiper and windscreen wash lever: rear window wiper

Switching on the interval wipe

– Press the lever forwards to position (6) ⇒ fig. 62. The wiper will wipe the window approximately every 6 seconds.

Switching off the interval wipe function

– Pull the lever back from position (6) towards the steering wheel. The wiper will continue to function for a short period if you switch off whilst the wipers are in motion.

Switching on the windscreen wiper and washer system

– Press the lever fully forwards to position (7) ⇒ fig. 62. The rear wiper and washer operate at the same time. The windscreen wash system will function as long as you hold the lever in this position.

– Release the lever. The washer system stops and the wipers continue until the end of the cycle.

– Move the lever towards the steering wheel to switch off.

WARNING

- **A worn or dirty wiper blade will obstruct visibility and reduce safety.**
- **Always note the corresponding warnings on ⇒ page 188.**

Caution

In icy conditions, always check that the wiper blade is not frozen to the glass before using the wiper for the first time. If you switch on the wiper when the wiper blade is frozen to the glass, this could damage both the wiper blade and the wiper motor.

Note

- The rear window wiper will only work when the ignition is switched on.
- Depending on the version of the model, when you engage reverse gear and with the headlight wiper activated, the lamps are wiped. ■

Headlight washer*

The headlight washers clean the headlight lenses.

The headlight washers are activated automatically when the windscreen washer is used and the windscreen wiper lever is pulled towards the steering wheel for at least 1.5 seconds – provided the dipped beam headlights or main beams are switched on. Clean off stubborn dirt (insects, etc.) from the headlights at regular intervals, for instance when filling the fuel tank.

Note

- To ensure that the headlight washers work properly in winter, keep the nozzle holders in the bumper free of snow and remove any ice with a de-icer spray.
- To remove water, the windscreen wipers will be activated from time to time, the headlight wipers will be activated every three cycles. ■

Rear view mirrors

Adjusting the rear view mirrors

Before beginning any journey, adjust the rear view mirrors for correct visibility. ■

Interior mirror

It is dangerous to drive if you cannot see clearly through the rear window.

Manual anti-dazzle function for interior mirror

In the basic mirror position, the lever at the bottom edge of the mirror should be at the front. Pull the lever to the back to select the anti-dazzle function. ■

Automatic anti-dazzle interior mirror*

The automatic anti-dazzle function can be switched on and off as desired.

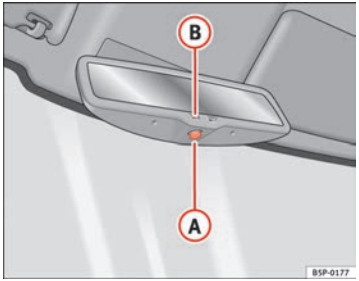

Fig. 63 Automatic anti-dazzle interior mirror.

Switching off anti-dazzle function

– Press button (A) ⇒ fig. 63. Indicator lamp (B) goes off. ▶

Switching on anti-dazzle function

– Press button (A) ⇒ page 99, fig. 63. Warning lamp is lit.

Anti-dazzle function

The anti-dazzle function is activated every time the ignition is switched on. The green indicator lamp lights up in the mirror housing.

When the anti-dazzle function is enabled, the interior mirror will darken **automatically** according to the amount of light it receives. The anti-dazzle function is cancelled if reverse gear is engaged.

Note

- The automatic anti-dazzle function will only work properly if the sun blind* for the rear window is retracted and there are no other objects preventing light from reaching the rear view mirror.
- If you have to stick any type of sticker on the windscreen, do not do so in front of the sensors. Doing so could prevent the anti-dazzle function from working well or even from working at all. ■

Folding in the exterior mirrors

The exterior mirrors of the vehicle may be folded in. For this, press the mirror housing towards the vehicle.

Note

Before washing the vehicle with an automatic car wash, fold in the mirrors to avoid damage. ■

Electric exterior mirrors*

The exterior mirrors can be adjusted using the rotary knob in the driver door.

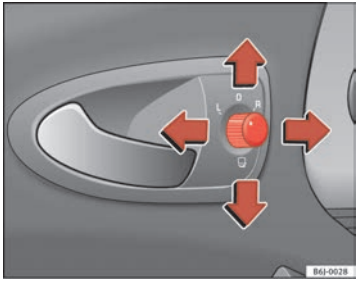

Fig. 64 Controls of exterior mirrors

Basic setting of exterior mirrors

1. Turn knob ⇒ fig. 64 to position **L** (**left exterior mirror**).
2. Turn the rotary knob to position the mirror so that you have a good view to the rear of the vehicle.
3. Turn knob to position **R** (**right exterior mirror**).
4. Swivel the rotary knob to position the mirror so that you have a good view to the rear of the car ⇒ ⚠.

Heated exterior mirrors*

– Press the demisting button ⇒ page 91, fig. 54.

– The mirrors demist for some minutes to prevent draining the battery.

– If necessary, press the button again to repeat the function.

Folding in exterior mirrors*

– Turn the control ⇒ page 100, fig. 64 to position to fold in the exterior mirrors. You should always fold in the exterior mirrors if you are driving through an automatic car wash. This will help prevent damage.

Folding exterior mirrors back out to the extended position*

– Turn the knob to position L or R to fold the exterior mirrors back out ⇒ .

WARNING

- **Convex or aspheric mirrors increase the field of vision however the objects appear smaller and further away in the mirrors. If you use these mirrors to estimate the distance to vehicles behind you when changing lane, you could make a mistake. Risk of accident.**
- **If possible, use the rear view mirror to estimate distances to vehicles behind you.**
- **Make sure that you do not get your finger trapped between the mirror and the mirror base when folding back the mirrors. Risk of injury!**

For the sake of the environment

The exterior mirror heating should be switched off when it is no longer needed. Otherwise, it is an unnecessary fuel waste.

Note

- If the electrical adjustment ever fails to operate, the mirrors can be adjusted by hand by lightly pressing the edge of the mirror glass.
- In vehicles with electric exterior mirrors, the following points should be observed: if, due to an external force (e.g. a knock while manoeuvring), the adjustment of the mirror housing is altered, the mirror will have to be completely folded **electrically**. Do not readjust the mirror housing by hand, as this will interfere with the mirror adjuster function.
- The rear view mirrors can be adjusted separately or simultaneously, as described before.
- The fold-in function on the exterior mirrors is not active at speeds over 40 km/h. ■

Seats and storage compartments

The importance of correct seat adjustment

Proper seat adjustment optimises the level of protection offered by seat belts and airbags.

Your vehicle has **five** seats, two in the front and three in the rear. Each seat is equipped with a three-point seat belt.

The driver seat and the front passenger seat can be adjusted in many ways to suit the physical requirements of the vehicle occupants. The correct seat position is very important for:

- a fast and easy operation of all controls on the instrument panel,
- a relaxed posture which does not cause drowsiness,
- a safe driving ⇒ page 7,
- ensuring that the seat belts and airbag system provide maximum protection ⇒ page 16.

WARNING

- **If the driver and passengers assume improper sitting positions, they may sustain critical injuries.**
- **More people than available seats must never be transported in your vehicle.**
- **Every passenger in the vehicle must properly fasten and wear the seat belt belonging to his or her seat. Children must be protected with an appropriate child restraint system ⇒ page 38, “Child safety”.**
- **The front seats and all head restraints must always be adjusted to body size and the seat belt must always be properly adjusted to provide you and your passengers with optimum protection.**

WARNING (continued)

- **Always keep your feet on the footwell when the vehicle is moving; never rest them on the dash panel, out of the window or on the seat. This is also applied to passengers. An incorrect sitting position exposes you to an increased risk of injury in case of a sudden braking or an accident. If the airbag is triggered, you could sustain severe injuries due to an incorrect sitting position.**
- **It is important for the driver and front passenger to keep a distance of at least 25 cm from the steering wheel or dash panel. Failure to respect the minimum distance means that the airbag will not protect you. Risk of fatal injury. The distance between the driver and the steering wheel or between the front passenger and the dash panel should always be as great as possible.**
- **Adjust the driver or front passenger seat only when the vehicle is stationary. Otherwise, your seat could move unexpectedly while the vehicle is moving. This could increase the risk of an accident and therefore, injury. In addition, while adjusting your seat, you will assume an incorrect sitting position. Risk of fatal accidents.**
- **Special guidelines apply to installing a child seat on the front passenger seat. When installing a child seat, please observe the warnings described in ⇒ page 38, “Child safety”.** ■

Head restraints

Correct adjustment of head restraints

Properly adjusted head restraints are an important part of passengers protection and can reduce the risk of injuries in most accident situations.

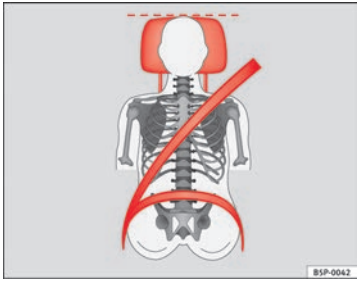

Fig. 65 Front view: head restraints and seat belts correctly adjusted

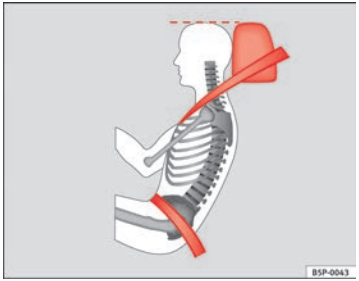

Fig. 66 Side view: head restraints and seat belts correctly adjusted

– Adjust the head restraint so that the top is at the same level as the top of your head or as close as possible to the same level as the top of your head, at least at eye level ⇒ fig. 65 and ⇒ fig. 66.

Adjusting the head restraints ⇒ page 104.

WARNING

- **Travelling with the head restraints removed or improperly adjusted increases the risk of severe injuries.**
- **Improperly adjusted head restraints could lead to death in the event of a collision or accident.**
- **Incorrectly adjusted head restraints also increase the risk of injury during sudden or unexpected driving or braking manoeuvres.**
- **The head restraints must always be adjusted according to the passenger's height.** ■

Removing or adjusting head restraints

The head restraints can be adjusted by moving them up and down.

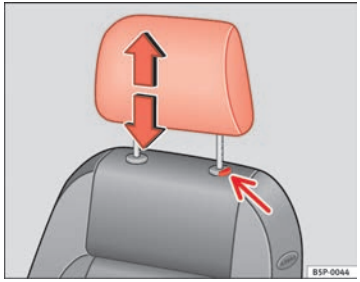

Fig. 67 Adjusting and removing the head restraints

Adjusting height (front seats)

– Press the button on the side and pull upwards to the desired position.

– To lower the head restraint, press the button and push head restraint downwards.

– Make sure that it engages securely into position.

Adjusting height (rear seats)

– Press the button on the side and pull upwards to the desired position.

– To lower the head restraint, press the button and push head restraint downwards.

– Make sure that the head restraint engages securely in one of its positions ⇒ page 13.

Removing the head restraint

– Push the head restraint up as far as it will go.

– Press the button ⇒ fig. 67 (arrow).

– Pull head restraint out of fitting without releasing the button.

Fitting the head restraint

– Insert the head restraint into the guides on the backrest.

– Push head restraint down.

– Adjust the head restraint to suit body size ⇒ page 12.

WARNING

- **Never drive if the head restraints have been removed. Risk of injury.**
- **Never drive if the head restraints are in an unsuitable position, there is a risk of serious injury.**
- **After refitting the head restraint, you must always adjust it properly for height to achieve optimal protection.**
- **Please observe the safety warnings in ⇒ page 103, “Correct adjustment of head restraints”.**

Note

- To fit and remove the rear head restraints, gently tilt the seat backrest forwards.

- When fitting the head restraints again, insert the tubes as far as possible into the guides without pressing the button. ■

Front seats

Adjustment of the front seats

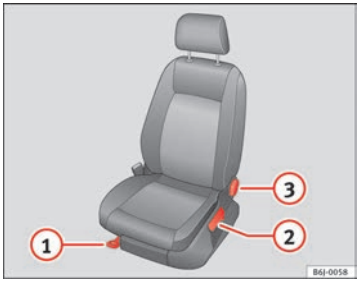

Fig. 68 Front left seat controls

(1) Adjusting the seat forwards and backwards

– Pull up the grip and move the seat forwards or backwards.

– Then release the grip (1) and move the seat further until the catch engages.

(2) Adjusting seat height

– Pull the lever up or push down (several times if necessary) from its home position. This adjusts the seat height in stages.

(3) Adjusting the backrest angle

– Take your weight off the backrest and turn the hand wheel.

WARNING

- **Never adjust the driver or front passenger seat while the vehicle is in motion. While adjusting your seat, you will assume an incorrect sitting position. Risk of fatal accidents. Adjust the driver or front passenger seat only when the vehicle is stationary.**
- **To reduce the risk of injury to the driver and front passenger in case of a sudden braking or an accident, never drive with the backrest tilted towards the rear. The maximum protection of the seat belt can be achieved only when the backrests are in an upright position and the driver and front passenger have properly adjusted their seat belts. The further the backrests are tilted to the rear, the greater the risk of injury due to improper positioning of the belt web!**
- **Exercise caution when securing the seat height into forwards/backwards position. Injuries can be caused if the seat height is adjusted without due care and attention.**
- **To move the seat lengthways, pull upwards and not sideways on the lever, as the force exerted on it in this position could damage it.** ■

Heated seats*

The front seat cushions and backrests can be heated electrically.

Fig. 69 Front seats heating switch

– Press the corresponding switch ⇒ fig. 69 to switch on the seat heating.

– Press once to connect the heating at a maximum force. Two LEDs will light up ⇒ fig. 69. After 15 min. of high intensity, the upper LED goes out, the system is deactivated for 2 min. and is then reactivated at low intensity (lower LED remains on permanently).

– Press the switch again to set the heating to minimum force. (The lower LED lights up).

– To disconnect the heating, press the switch again.

Caution

To avoid damaging the heating elements, please do not kneel on the seat or apply sharp pressure at a single point to the seat cushion and backrest.

Note

The seats are only heated electrically when the engine is running. ■

Rear seats

Folding down rear seats

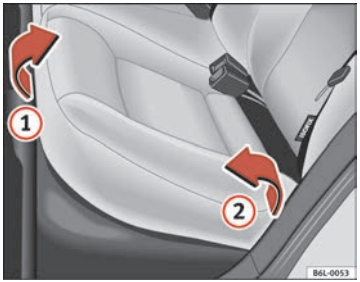

Fig. 70 Folding up the rear seat cushion

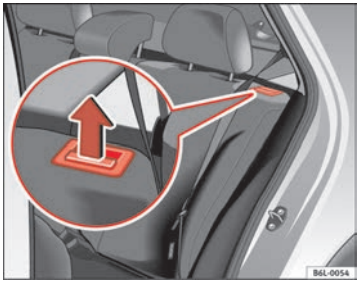

Fig. 71 Button for unlocking the rear backrest

Folding seat down

– Remove the head restraint ⇒ page 104.

– Pull the front edge of the seat cushion ⇒ fig. 70 (1) upwards in the direction of the arrow.

– Lift the cushion (2) forwards in the direction of the arrow.

– Pull the release button ⇒ fig. 71 in the direction of the arrow and fold the backrest forwards

– Insert the head restraints in their corresponding fastenings.

Folding seat forward

– Remove the head restraints from their fastening on the seat cushion.

– Lift the backrest until it correctly engages in the catches.

– Once the backrest is locked, pull on the central seat belt or directly on the backrest to check that the backrest has properly engaged in position.

– Check that the position lever is in neutral position.

– Replace the rear head restraints ⇒ page 104.

– Lower the cushion and push it backwards below the seat belt buckles.

– Press the front part of the cushion downwards. ▶

On split rear seats [10] the backrest and cushion can be lowered and raised respectively in two sections.

WARNING

- **Please be careful when folding back the backrest! Injuries can be caused if the seat height is adjusted without due care and attention.**
- **Do no trap or damage seat belts when raising the backrest.**
- **After raising the backrest, check it has engaged properly in position. Do this by pulling on the central seat belt or directly on the backrest and check that the position lever is in the neutral position.**
- **The three point automatic seat belt only works correctly when the backrest of the central seat is correctly engaged.** ■

[10] Optional equipment

Storage compartment

Storage compartment on the front passenger side

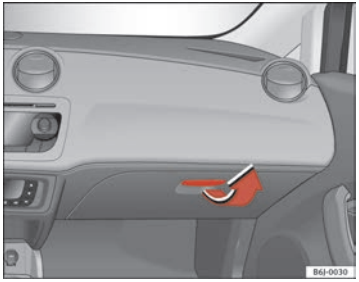

Fig. 72 Passenger side: storage compartment

The compartment can be opened by pulling the lever ⇒ fig. 72.

Glove compartment cooling*

There is an air vent in upper part of the glove compartment. If the air conditioning is switched on, cooled air can be fed into the compartment. The vent can be opened and closed by turning it.

WARNING

Always keep the storage compartment cover closed while the vehicle is in motion in order to reduce the risk of injury caused by a sudden braking or by an accident. ■

Storage compartment on the driver side

There is an storage compartment on the driver side

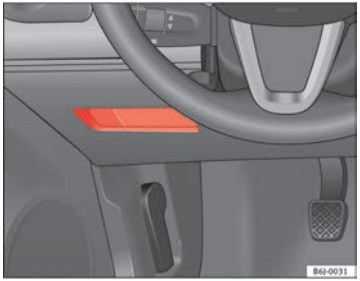

Fig. 73 Driver side compartment

Mounting bracket for navigator on dash panel*

Your vehicle can be equipped with a portable navigator mounting bracket.

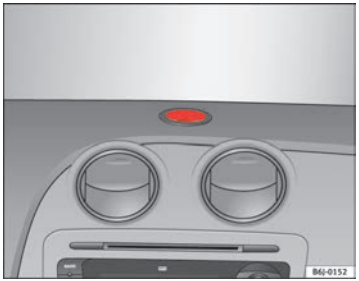

Fig. 74 Mounting bracket for navigator on dash panel.

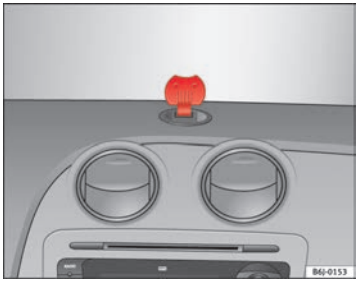

Fig. 75 Bracket with open cover for placing the navigator.

It is necessary to use a specific adapter for each navigator, so consult your Technical Service. This bracket supplies power to the portable navigator. ■

Storage compartment under front seats *

Fig. 76 Storage compartment under the front passenger seat

To open

– The compartment is opened by pulling on the lever and assisting it with your hand.

To close

– Press the cover inwards until the closed drawer clicks into position.

Note

The storage drawer will hold a maximum weight of 1.5 kg. ■

Seat storage pocket*

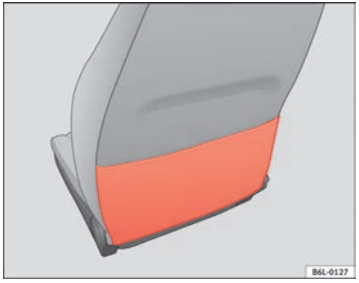

Fig. 77 Seat storage pocket

There is a storage pocket on the rear of the front seats. ■

Front cup holder*

Fig. 78 Front cup holders in the centre console

There are two cup holders in the centre console in front of the gear lever ⇒ fig. 78.

WARNING

- **Never place hot drinks in the cup holders. During normal or sudden driving manoeuvres, sudden braking or an accident, the hot drink could be spilled. Danger of scalding.**
- **Never use rigid materials (for example, glass or ceramic), these could cause injury in the case of an accident.**
- **When travelling the drinks holder should always be closed to prevent risk in the event of sudden breaking or accident.** ■

Rear cup holder*

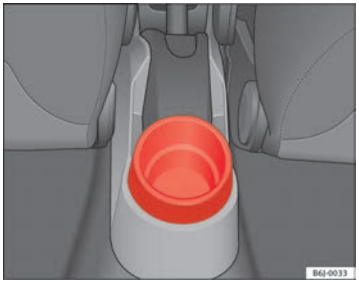

Fig. 79 Cup holder in the centre console

On the rear part of the centre console, behind the hand brake, there is a cup holder installed* ⇒ fig. 79. ■

Ashtrays, cigarette lighter and power point

Front ashtray

Fig. 80 Front ashtray

Opening and closing the ashtray

– To open the ashtray, lift the cover ⇒ fig. 80.

– To close, push the cover down.

Emptying the ashtray

– Extract the ashtray and empty it.

WARNING

Never put paper in the ashtray. Hot ash could ignite the paper in the ashtray and cause a fire. ■

Cigarette lighter*

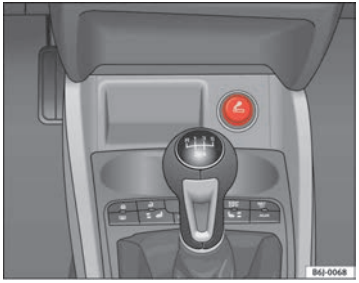

Fig. 81 Lighter

– Press on the cigarette lighter ⇒ fig. 81 to activate it ⇒ ⚠.

– Wait for the lighter to pop out slightly.

– Pull out the cigarette lighter and light the cigarette on the glowing coil.

WARNING

- **Improper use of the cigarette lighter can lead to serious injuries or start a fire.**
- **Using the lighter carefully. Carelessness or negligence when using the cigarette lighter can cause burns, risk of injury.**
- **The lighter only works when the ignition is turned on or the engine is running. To avoid the risk of fire, never leave children alone inside the vehicle.** ■

Electrical socket

Fig. 82 Front power socket

The 12 Volt cigarette lighter power socket can also be used for other electrical components with a power rating of up to 120 Watt. When the engine is switched off, however, the vehicle battery will discharge. For further information see ⇒ page 170.

WARNING

The power sockets and the connected accessories will only operate when the ignition is on or when the engine is running. Improper use of the sockets or electrical accessories can lead to serious injuries or cause a fire. To avoid the risk of injury, never leave children alone inside the vehicle.

Note

- The use of electrical appliances with the engine switched off will cause a battery discharge.
- Before using any electrical accessories, see the instructions in ⇒ page 170. ■

Auxiliary audio input connection (AUX)*

Fig. 83 AUX connection on the central console (depending on the equipment)

– Lift the AUX cover ⇒ fig. 83.

– Insert the plug as far as possible (see radio manual). ■

AUX-USB* Input connection

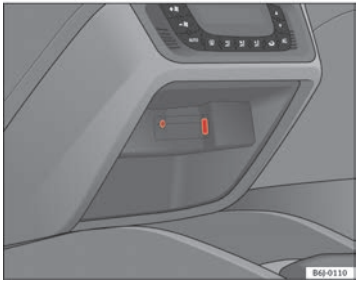

Fig. 84 AUX/USB* input connection (depending on the equipment)

For information concerning the use of this equipment, please see the Radio handbook. ■

First-aid kit, warning triangle, fire extinguisher*

First-aid kit, warning triangle and fire extinguisher

The use of reflective warning triangles is obligatory in emergencies in some countries. As are the first aid kit and a set of spare light bulbs.

The first-aid kit and the fire extinguisher are located in the luggage compartment, held in place by Velcro.

The warning triangle may be located in the rear of the luggage compartment secured by rubber bands.

Note

- The first aid kit, the warning triangles and the fire extinguisher are not supplied with the vehicle as standard.
- The first aid kit, the warning triangles and the fire extinguisher should meet legal requirements.
- The expiry date of the content of the first aid kit should be checked.
- Ensure that the fire extinguisher is fully functional. The fire extinguisher should, therefore, be checked regularly. The sticker on the fire extinguisher will inform you of the next date for checking.
- Before purchasing accessories and spare parts, see the instructions in ⇒ page 170, “Accessories, parts replacement and modifications”. ■

Luggage compartment

Stowing luggage

All luggage must be securely stowed.

Please observe the following points to ensure the vehicle handles well at all times:

– Distribute the load as evenly as possible.

– Place heavy objects as far forward in the luggage compartment as possible. ▶

WARNING

- **Loose luggage and other loose items in the vehicle may cause serious injuries.**
- **Loose objects in the luggage compartment can suddenly move and change the way the vehicle handles.**
- **In case of sudden manoeuvres or accidents, loose objects in the passenger compartment can be flung forward, injuring passengers.**
- **Always put objects in the luggage compartment.**
- **When you transport heavy objects, always take in account that a change in the centre of gravity can also cause changes in vehicle handling.**
- **Please observe information on safe driving ⇒ page 7, “Safe driving”.**

Caution

Hard objects on the shelf could chafe against the wires of the heating element in the rear window and cause damage.

Note

The ventilation slots in front of the rear side windows must not be covered as this would prevent stale air being extracted from the vehicle. ■

Rear shelf

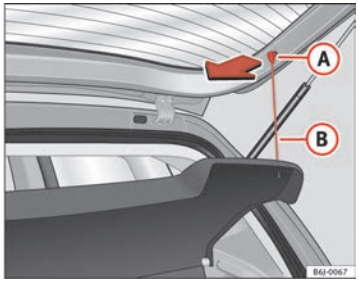

Fig. 85 Rear shelf

Removing the shelf

– Unhook the loops ⇒ fig. 85 (B) from housings (A)

– Extract the cover from its slot, in its rest position and pull outwards.

WARNING

Do not place heavy or hard objects on the rear shelf, because they will endanger the vehicle occupants in case of sudden braking.

Caution

- Before closing the tailgate, ensure that the rear shelf is correctly fitted.
- An overloaded luggage compartment could mean that the rear shelf is not correctly seated and it may be bent or damaged. ▶

- If the luggage compartment is overloaded, remove the tray.

Note

- Ensure that, when placing items of clothing on the luggage compartment cover, rear visibility is not reduced. ■

Roof rack*

Please observe the following points if you intend to carry loads on the roof:

- For safety reasons, only luggage racks and accessories approved by SEAT should be used.
- It is imperative to precisely follow the fitting instructions included for the rack, taking special care when fitting the front bar in the holes designed for this and the rear bar between the marks on the upper part of the rear door frame while respecting the correct direction of travel indicated in the installation manual. Not following these instructions may damage the bodywork.
- Pay special attention to the tightening torque of the attachment bolts and check them following a short journey. If necessary, retighten the bolts and check them at regular intervals.
- Distribute the load evenly. A maximum load of 40 kg only is permitted for each roof rack system support bar, the load must be distributed evenly along the entire length. However, the maximum load permitted for the entire roof (including the support system) of 75 kg must not be exceeded nor should the total weight of the vehicle be exceeded. See the Technical Data section.
- When transporting heavy or large objects on the roof, any change in the normal vehicle behaviour due to a change in the centre of gravity or an increased wind resistance must be taken into account. For this reason, a suitable speed and driving style must be used.
- For those vehicles fitted with a sunroof*, ensure that it does not interfere with the load on the roof rack system when opened. ■

Air conditioning

Heating

Controls

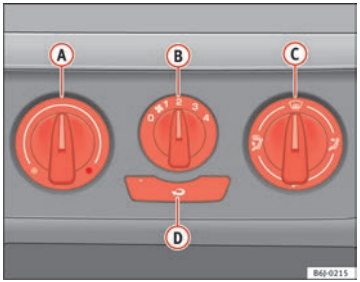

Fig. 86 Heating controls on the dash panel

– Using the controls (A) and (C) and with the switch (B) ⇒ fig. 86 you can adjust the temperature, the air distribution and the blower speed.

– Press the button (D) to switch air recirculation mode on or off. When the function is activated, a warning light on the button is turned on.

Temperature

Switch (A) adjusts temperature. The required temperature inside the vehicle cannot be lower than the ambient temperature. Maximum heat output, which is needed to defrost the windows quickly, is only available when the engine has reached its operating temperature.

Blower

The air flow can be set at four speeds with switch (B). The blower should always be set at the lowest speed when driving slowly.

Air distribution

Control (C) for setting the flow of air in the required direction.

– Air distribution towards the windscreen in order to demist. For safety reasons, **it is not recommended** to switch air recirculation on.

– Air distribution to the upper body

– Air distribution to footwell.

– Air distribution to the windscreen and the footwell.

Air recirculation mode

Air recirculation mode (D) on (a lamp lights up in red) prevents strong odours from the outside air from entering in the vehicle, for example when passing through a tunnel or in a traffic jam ⇒ ⚠.

When the outside temperature is low, air recirculation mode improves heating performance by heating air from the interior instead of cold air from the outside.

⚠ WARNING

- **For your safety, the windows should never be fogged up or covered with snow or ice. This is essential to ensure good visibility. Please familiarise yourself with the correct operation of the heating and ventilation system, including the demist/defrost functions for the windows.**

WARNING (continued)

- **In air recirculation mode, no cold air from the outside enters the vehicle interior. The windows can quickly fog over if the heating is switched off. Therefore, never leave the air recirculation mode switched on for a long time (risk of accident).**

Note

- Please consider the general notes ⇒ page 126. ■

Vehicle ventilation or heating

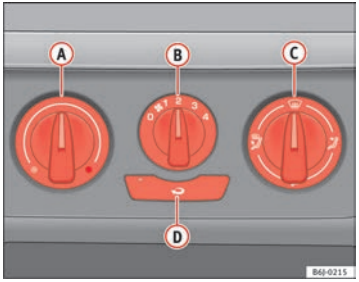

Fig. 87 Heating controls on the dash panel

Ventilating the passenger compartment

– Turn the temperature selector ⇒ fig. 87 (A) anti-clockwise.

– Turn blower switch (B) to any of the head settings 1-4.

– Set the airflow to the desired direction using air distribution control (C).

– Open the relevant air outlets.

Interior heating

– Turn the temperature selector ⇒ fig. 87 (A) clockwise to select the desired temperature.

– Turn blower switch (B) to any of the head settings 1-4.

– Set the airflow to the desired direction using air distribution control (C).

– Open the relevant air outlets.

Defrosting the windscreen

– Turn the temperature selector ⇒ fig. 87 (A) clockwise to reach the maximum temperature.

– Turn the blower switch (B) to setting 4.

– Turn air distribution control to ⊞.

– Close outlet (3).

– Open and turn outlet (4) towards side windows

Keeping the windscreen and the side windows demisted

– Turn the temperature selector ⇒ fig. 87 (A) to the heating area.

– Turn blower switch (B) to any of the head settings 2-3.

– Turn air distribution control to ⊞.

▶

– Close outlets (3)

– Open and turn outlets (4) towards side windows

Once the windows are demisted and as a preventive measure, the control (C) can be set in position, thus obtaining greater comfort while preventing the windows from misting again.

Heating

Maximum heat output, which is needed to defrost the windows quickly, is only available when the engine has reached its operating temperature.

Note

Remember that the temperature of the engine coolant should be optimum to ensure that the heating system functions correctly (except in vehicles fitted with additional heating*) ■

Air outlets

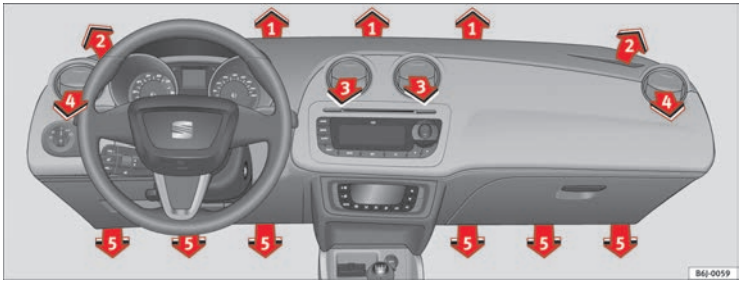

Fig. 88 Air vent

Air distribution (C)

Switch on symbol	Main air output through outlets:
	1,2
	5
	1, 2, 5
	3, 4

Outlets (3) and (4) can be closed or opened separately and the air flow directed as required. ■

Air conditioning*

Controls

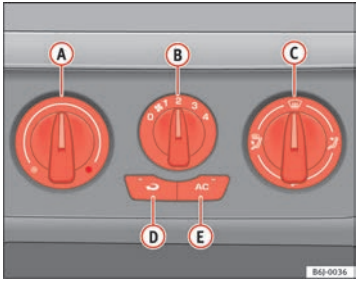

Fig. 89 Air conditioning controls on the dash panel

The air conditioning system only works when the engine is running and the fan is switched on.

– Using the controls ⇒ fig. 89 (A) and (C) and with the switch (B) you can adjust the temperature, the air distribution and the blower speed.

– To switch a function on or off, press the appropriate button (D) or (E). When the function is activated, a red warning light on the button is turned on.

– **To demist the wind screens:**

– Turn air distribution to ▶

– Turn the fan control to one of the two levels depending on the speed required.

– Rotate the temperature control to the desired level of comfort.

– Close outlets (3)

– Open and turn outlets (4) towards side windows

(A) Temperature selector ⇒ page 121
(B) Blower control. There are four speed settings for the blower. At low speed, it is recommended to set the blower to a minimum of 1 to improve the intake of fresh air.
(C) Air distribution control ⇒ page 121
(D) Air recirculation button ⇒ page 122
(E) Button AC – Coolant on button ⇒ page 121

WARNING

For your safety, the windows should never be fogged up or covered with snow or ice. This is essential to ensure good visibility. Please familiarise yourself with the correct operation of the heating and ventilation system, including the demist/defrost functions for the windows.

Note

Please consider the general notes. ■

Vehicle interior heating or cooling system

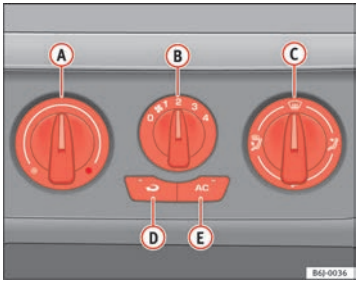

Fig. 90 Air conditioning controls on the dash panel

Interior heating

– Disconnect the cooling system using button ⇒ fig. 90 AC (the button light turns off).

– Turn the temperature selector (A) to set the desired temperature inside the vehicle.

– Turn the blower switch to any of of the settings 1-4.

– Set the air distribution control (C) to the air flow configuration desired: (towards the windscreen), (towards the chest), (towards the footwell) and (towards the windscreen and footwell areas).

Interior cooling

– Connect the cooling system with button AC (the button light *should* light up).

– Turn the temperature control switch until the desired interior temperature is reached.

– Turn the blower switch to any of of the settings 1-4.

– Set the air distribution control to the air flow configuration desired: (towards the windscreen), (towards the chest), (towards the footwell) and (towards the windscreen and footwell areas).

Heating

Maximum heat output, which is needed to defrost the windows quickly, is only available when the engine has reached its operating temperature.

Coolant system

When the air conditioning is switched on, the temperature and the air humidity go down. This way, if the outside humidity is extreme, the air conditioning prevents the misting of the windows and therefore, comfort is improved.

If the air conditioning does not work, this may be due to the following reasons:

- The engine is stationary.
- The fan blower is switched off.
- The outside temperature is below +3°C.
- The cooling system compressor has been temporarily switched off because of an increased engine coolant temperature.
- The air conditioner fuse is faulty.
- Another fault in the vehicle. Have the air conditioning checked by a qualified workshop. ■

Air recirculation

Air recirculation mode prevents fumes or unpleasant smells from coming from the outside.

When air recirculation mode is switched on (button ⇒ page 121, fig. 90 with warning lamp) strong odours in the outside air do not enter the vehicle interior, for example when passing through a tunnel or in a traffic jam.

When the outside temperature is low, air recirculation mode improves heating performance by heating air from the interior instead of cold air from the outside.

When the outside temperature is high, air recirculation mode improves cooling performance by cooling air from the interior instead of warm air from outside.

For safety reasons, the air recirculation **should not be switched on** when the air distribution control is set to the windscreen setting .

WARNING

In air recirculation mode, no cold air from the outside enters the vehicle interior. If the air conditioner is switched off, the windows can quickly mist over. Therefore, never leave the air recirculation mode switched on for a long time (risk of accident).

Note

- When engaging reverse gear, the air recirculation is connected automatically to prevent the entrance of exhaust fumes in the vehicle on travelling backwards. The warning lamp on the button does not light up.
- If the temperature control is turned to the coldest setting (blue point) and the switch AC is activated, the “Air recirculation” function is automatically activated in order to cool the vehicle rapidly using less energy; its function indicator will light.

- If the function is not deactivated by pressing the button, this will deactivate after approx. 20 min. ■

Economic use of the air conditioning

When the air conditioning is switched on, the compressor consumes engine power and has influence on fuel consumption. Consider the following points in order to have the system operating in the minimum possible time.

- If the vehicle interior has overheated due to an excessive solar radiation, it is best to open the windows or doors to allow the hot air to escape.
- While in motion, the air conditioning should not be switched on if the windows or the sunroof are open.* ■

Climatronic

Control switches

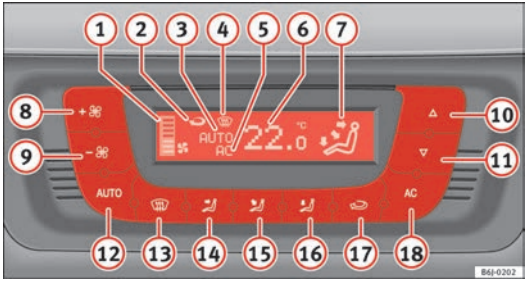

Fig. 91 Climatronic controls on the dash panel

The air conditioner only works when the engine is running and the blower is switched on.

– Press keys (10) and (11) ⇒ fig. 91 to adjust temperature.

– The functions will be switched on when its buttons are pressed. When the function is activated, a symbol is displayed on the screen. Press the button again to switch off the function.

(1) Blower level indicator.
(2) Air recirculation display:
(3) Display **AUTO** (Automatic operation)
(4) Demisting indicator

(5) AC indicator (Cooling connected)
(6) Interior temperature indicator selected
(7) Air flow direction indicator
(8) Fan speed increase
(9) Fan speed decrease
(10) Interior temperature increase
(11) Interior temperature decrease
(12) Button AUTO – Automatic adjustment of temperature, ventilation and air distribution control
(13) Button – Windscreen demisting function. The air drawn in is directed at the windscreen. The air recirculation mode will be switched off as soon as the demisting function is switched on. At temperatures over 3°C, the cooling system is switched on automatically in order to dry the air.
(14) Button – Air distribution to head area
(15) Button – Air distribution to the upper body.
(16) Button – Air distribution to footwell
(17) – Manual air recirculation
(18) AC button - To switch on the air conditioning.

WARNING

For your safety, the windows should never be fogged up or covered with snow or ice. This is essential to ensure good visibility. Please familiarise yourself with the correct operation of the heating and ventilation system, including the demist/defrost functions for the windows.

Note

Please consider the general notes. ■

Automatic mode

In automatic mode air temperature, air flow and distribution are automatically regulated so that a specified temperature is attained as quickly as possible, and then maintained.

Switching on automatic mode

– Press the button AUTO. The indication ⇒ page 123, fig. 91 (7) is visible.

– Press keys (10) and (11) ⇒ page 123, fig. 91 to adjust the desired temperature inside the vehicle. We recommend you adjust the temperature to 22°C (72°F).

A comfortable interior climate is quickly reached when a temperature of 22°C (72°F) is set in automatic mode. Therefore, we recommend you not to change this adjustment, except as necessary to suit individual preferences or particular circumstances. The inside temperature can be set between +18°C (64°F) and +29°C (86°F). If a lower or higher temperature is selected, **LO** or **HI** are respectively displayed on the screen. These are approximate temperatures which may slightly vary depending on the outside conditions.

Climatronic maintains a constant temperature. To do it, it automatically regulates the supplied air temperature, the blower speed and the air distribution. The system also considers the sunlight radiation, so there is no need for manual readjustment. Therefore, **automatic mode** almost always provides the best comfort for the vehicle occupants throughout the year.

Automatic mode is switched off whenever an adjustment is made using the buttons for the air distribution, blower or AC. The temperature continues to self-regulate. ■

Manual mode

In manual mode the air temperature, flow, and the desired air distribution can be adjusted.

Switching on manual mode

– Press one of the buttons ⇒ page 123, fig. 91 (14) to (16) or press the blower control (8) and (9) down. The indicator is switched off (3).

Temperature

The inside temperature can be set between +18°C (64°F) and +29°C (86°F). These are approximate temperatures which may slightly vary depending on the outside conditions.

If a temperature below 18°C (64°C), is selected, the display switches to **LO** In this setting the system runs at maximum cooling output and the temperature is not regulated.

If a temperature above 29°C (86°F) is selected, the display switches to **HI** In this setting the system runs at maximum heating output and the temperature is not controlled.

Blower

The blower can be adjusted with buttons (8) and (9) ⇒ page 123, fig. 91. If the blower is off (level (1) is not shown on the screen) and button (9) is kept pressed down, the Climatronic switches off. Then **OFF** is displayed on the screen.

Air distribution

The air distribution is adjusted using the buttons [illegible], [illegible] and [illegible]. It is also possible to open and close some of the air outlets separately.

Switching the air conditioning system on and off

Pressing the button AC the air cooling system can be switched off in order to save fuel. The temperature continues to self-regulate. The set temperature can then only be reached if it is higher than the outside temperature. ■

Air recirculation mode

Air recirculation mode prevents fumes or unpleasant smells from coming from the outside.

– Press the button [illegible] to switch air recirculation mode on or off. This is ON if the symbol [illegible] ⇒ page 123, fig. 91 is displayed on the screen.

Air recirculation mode prevents strong odours in the ambient air from entering the vehicle interior, for example when passing through a tunnel or in a traffic jam.

When the outside temperature is low, air recirculation mode improves heating performance by heating air from the interior instead of cold air from the outside.

When the outside temperature is high, air recirculation mode improves cooling performance by cooling air from the interior instead of warm air from outside.

For safety reasons, the air recirculation **should not be switched on** when the air distribution control is set to the windscreen setting [illegible].

⚠ WARNING

In air recirculation mode, no cold air from the outside enters the vehicle interior. If the air conditioner is switched off, the windows can quickly mist ▶

WARNING (continued)

over. Therefore, never leave the air recirculation mode switched on for a long time (risk of accident).

Note

When engaging reverse gear, the air recirculation is connected automatically to prevent the entrance of exhaust fumes in the vehicle on travelling backwards. In this case the symbol for air recirculation is not displayed. ■

General notes

Pollution filter

The pollution filter (a combined particulate filter and active carbon filter) serves as a barrier against impurities in the outside air, including dust and pollen.

For the air conditioner to work with maximum efficiency, the pollution filter must be replaced at the specified intervals in the Maintenance Programme.

If the filter loses efficiency prematurely due to use in areas reaching very high pollution levels, the pollen filter must be changed more frequently than stated in the Service Schedule.

Caution

- If you suspect that the air conditioner is damaged, switch it off with button AC to prevent further damage and have it checked by a qualified workshop.
- Repairs to the air conditioner require specialist knowledge and special tools. Therefore, we recommend you to take the vehicle to a qualified workshop.

Note

- If the humidity and temperature outside the vehicle are high, **condensation** can drip off the evaporator in the cooling system and so forming a puddle underneath the vehicle. This is completely normal and there is no need to suspect a leak.
- Keep the air intake slots in front of the windscreen free of snow, ice and leaves to ensure heating and cooling are not impaired, and to prevent the windows from misting over.
- The air from the vents flows through the vehicle interior and is extracted by slots designed for this purpose. Therefore, do not cover these slots with items of clothing or other objects.
- The air conditioner operates most effectively with the windows and the sliding/tilting sunroof* closed. However, if the vehicle has been overheated by sun, the air inside can be cooled faster by opening the windows for a short time.
- Do not smoke while air recirculation mode is on, as smoke drawn into the air conditioning system leaves a residue on the evaporator, producing a permanent unpleasant odour.
- At low outside temperatures the compressor switches off automatically. The AUTO button cannot be switched on either.
- It is advisable to connect the air conditioning at least once a month, to lubricate the system gaskets and prevent leaks. If a decrease in the cooling capacity is detected, an Authorised Service Centre should be consulted to check the system.
- To ensure correct operation, the grilles on both sides of the screen must not be obstructed
- When the engine is under extreme strain, switch off the compressor for a moment. ■

Driving

Address

Adjusting the steering wheel position

The height and reach of the steering wheel can be freely adjusted to suit the driver.

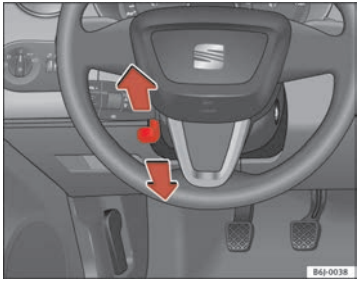

Fig. 92 Steering column height adjustment

– Adjust the driver seat to the correct position.

– Push the lever under the steering column ⇒ fig. 92 down ⇒ ⚠.

– Adjust the steering wheel until the correct position is set ⇒ fig. 92.

– Then push the lever up again firmly ⇒ ⚠.

⚠ WARNING

- **Incorrect use of the steering column adjustment function and an incorrect seating position can result in serious injury.**
- **To avoid accidents, the steering column should be adjusted only when the vehicle is stationary.**
- **Adjust the driver seat or steering wheel so that there is a distance of at least 25 cm between the steering wheel and your chest ⇒ fig. 92. If you fail to observe the minimum distance, the airbag will not protect you. Risk of fatal injury.**
- **If your physical constitution does not allow you to maintain the minimum distance of 25 cm, contact an Authorised Service Centre. The Authorised Service Centre will help you to decide if special specific modifications are necessary.**
- **If you adjust the steering wheel so that it points towards your face, the driver airbag will not protect you properly in the event of an accident. Make sure that the steering wheel points towards your chest.**
- **When driving, always hold the steering wheel with both hands on the outside of the ring at the 9 o'clock and 3 o'clock positions. Never hold the steering wheel at the 12 o'clock position, or in any other manner (e.g. in the centre of the steering wheel, or on the inside of the rim). In such cases, if the airbag is triggered, you may sustain injuries to the arms, hands and head.** ■

Safety

Electronic Stability Programme (ESP)*

ESP helps make driving safer in certain situations.

Fig. 93 Detailed view of the centre console: ESP button.

The Electronic Stability Programme (ESP) contains the electronic differential lock (EDL) and the traction control system (TCS). The ESP function works together with the ABS. Both warning lamps will light up if the ESP or ABS systems are faulty.

The ESP is started automatically when the engine is started.

The ESP is always active, and cannot be switched off. With the ESP switch it is only possible to switch TCS off.

When does the warning light switch on or flash ?

- On switching the ignition on, it lights up for about two seconds to carry out a function control.
- The warning lamp will start flashing when the vehicle is moving if the ESP or the TCS is activated. The warning lamp will light up slowly if the TCS is switched off.
- It will light up continuously if there is a malfunction in the ESP.

WARNING

- **The Electronic Stability Programme (ESP) cannot defy the laws of physics. This should be kept in mind, particularly on slippery and wet roads and when towing a trailer.**
- **Always adapt your driving style to suit the condition of the roads and the traffic situation. Do not let the extra safety afforded by ESP tempt you into taking any risks when driving, this can cause accidents.**
- **Please refer to the corresponding warning notes on ESP in ⇒ page 149, “Intelligent technology”.** ■

Ignition lock

Position of the ignition key

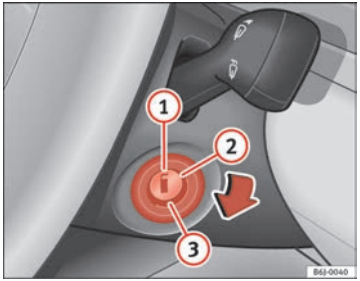

Fig. 94 Ignition key positions

Ignition switched off, steering lock (1)

In this position ⇒ fig. 94 the ignition and the engine are OFF and the steering may get locked.

For the **Steering lock** to operate without the ignition key, turn the steering wheel until it locks with an audible sound. You should always lock the steering wheel when you leave your vehicle. This will help prevent vehicle theft ⇒ ⚠.

Switching the ignition or the glow plug system on (2)

Turn the ignition key to this position and release it. If the key cannot be turned or it is difficult to turn from position (1) to position (2), move the steering wheel from one side to the other until it is released.

Starting (3)

The engine is started when the key is in this position. Electrical components with a high power consumption are switched off temporarily.

Every time the vehicle is started again, the ignition key must be turned to position (1). The **repetitive start prevention lock** of the ignition prevents possible damage to the starter motor if the engine is already running.

⚠ WARNING

- **The ignition key must NOT be removed from the lock until the vehicle comes to a standstill. Otherwise, the steering could be immediately blocked- Risk of accident!**
- **Always remove the key from the ignition lock when leaving the vehicle, even for a short period. This is especially important if children or disabled people are left alone in the vehicle. They could accidentally start the engine or work electrical equipment such as the electric windows, consequently resulting in an accident.**
- **Unsupervised use of the keys could start the engine or any electrical system, such as the electric window. This could result in serious injury.**

(!) Caution

The starter motor will only work when the engine is stopped (ignition key position (3)). ■

Electronic immobiliser

The immobiliser prevents unauthorised persons from driving the vehicle.

Inside the key there is a chip that deactivates the electronic immobiliser automatically when the key is inserted into the ignition. ▶

The immobiliser will be activated again automatically as soon as you pull the key out of the ignition lock.

The engine can only be started using a genuine SEAT key with its correct code.

Note

A perfect operation of the vehicle is ensured if genuine SEAT keys are used. ■

Starting and stopping the engine

Starting petrol engines

The engine can only be started using a genuine SEAT key with its correct code.

– Move the gear lever to the neutral position and depress the clutch pedal thoroughly and hold it in this position for the starter to turn the engine on.

– Turn the ignition key to the starting position ⇒ page 129.

– Let go of the ignition key as soon as the engine starts; the starter motor must not run on with the engine.

After starting a very hot engine, you may need to slightly press down the accelerator.

When starting a very cold engine, it may be a little noisy for the first few seconds until oil pressure has built up in the hydraulic valve compensators. This is quite normal, and no cause for concern.

If the engine does not start immediately, switch the starter off after 10 seconds and try again after half a minute. If the engine still does not start, the fuel pump fuse should be checked ⇒ page 207, “Fuses”.

WARNING

- **Never start or run the engine in unventilated or closed rooms. The exhaust fumes contain carbon monoxide, an odourless and colourless poisonous gas. Risk of fatal accidents. Carbon monoxide can cause loss of consciousness. It can also cause death.**
- **Never leave the vehicle unattended if the engine is running.**
- **Never use “cold start sprays”, they could explode or cause the engine to run at high revs. Risk of injury.**

Caution

- When the engine is cold, you should avoid high engine speeds, driving at full throttle and over-loading the engine. Risk of engine damage.
- The vehicle should not be pushed or towed more than 50 metres to start the engine. Unburnt fuel could enter the catalytic converter and damage it.
- Before attempting to push-start or tow a vehicle in order to start it, you should first try to start it using the battery of another vehicle. Note and follow the instructions in ⇒ page 219, “Jump-starting”.

For the sake of the environment

Do not warm-up the engine by running the engine with the vehicle stationary. You should drive off as soon as you start the engine. This helps the engine reach operating temperature faster and reduces emissions. ■

Starting diesel engines

The engine can only be started using a genuine SEAT key with its correct code.

– Move the gear lever to the neutral position and depress the clutch pedal thoroughly and hold it in this position for the starter to turn the engine on.

– Turn the ignition key to the starting position.

– Turn the ignition key to position ⇒ page 129, fig. 94 (2). The indicator lamp ➰ will light for engine pre-heating.

– When the warning lamp turns off, turn the key to position (3) to start the engine. Do not press the accelerator.

– Let go of the ignition key as soon as the engine starts, the starter motor must not be allowed to run on with the engine.

When starting a very cold engine, it may be a little noisy for the first few seconds until oil pressure has built up in the hydraulic valve compensators. This is quite normal, and no cause for concern.

If there are problems starting the engine, see the ⇒ page 219.

Glow plug system for the diesel engine

To avoid unnecessary discharging of the battery, do not use any other major electrical equipment while the glow plugs are pre-heating.

Start the engine as soon as the glow plug warning lamp goes out.

Starting the engine after the fuel tank has been completely run dry

If the fuel tank has been completely run dry, it may take longer than normal (up to one minute) to start the engine after refuelling with diesel fuel. This is because the system must eliminate air first.

WARNING

- **Never start or run the engine in unventilated or closed rooms. The exhaust fumes contain carbon monoxide, an odourless and colourless poisonous gas. Risk of fatal accidents. Carbon monoxide can cause loss of consciousness. It can also cause death.**
- **Never leave the vehicle unattended if the engine is running.**
- **Never use “cold start sprays”, they could explode or cause the engine to run at high revs. Risk of injury.**

Caution

- When the engine is cold, you should avoid high engine speeds, driving at full throttle and over-loading the engine. Risk of engine damage.
- The vehicle should not be pushed or towed more than 50 metres to start the engine. Unburnt fuel could enter the catalytic converter and damage it.
- Before attempting to push-start or tow a vehicle in order to start it, you should first try to start it using the battery of another vehicle. Note and follow the instructions in ⇒ page 219, “Jump-starting”.

For the sake of the environment

Do not warm-up the engine by running the engine with the vehicle stationary. You should drive off as soon as you start the engine. This helps the engine reach operating temperature faster and reduces emissions. ■

Switching off the engine

– Stop the vehicle.

– Turn the ignition key to position ⇒ page 129, fig. 94 (1). ▶

After switching the engine off, the radiator fan may run on for up to 10 minutes. It is also possible that the fan turns itself on once more if the coolant temperature increases due to the heat accumulated in the engine compartment or due to its prolonged exposure to solar radiation.

WARNING

- **Never switch the engine off until the vehicle is completely stationary.**
- **The brake servo works only when the engine is running. With the engine switched off, more strength is needed to brake. As normal brake operation cannot be performed, risk of accidents and serious injury may exist.**
- **The steering lock can be immediately blocked once the key is removed from the ignition lock. The vehicle cannot be steered. Risk of accident.**

Caution

If the engine has been driven hard for a long period, the engine could overheat when it is switched off. Risk of engine damage. For this reason, you should idle the engine for approx. 2 minutes before you switch it off. ■

Manual gearbox

Driving with a manual gearbox

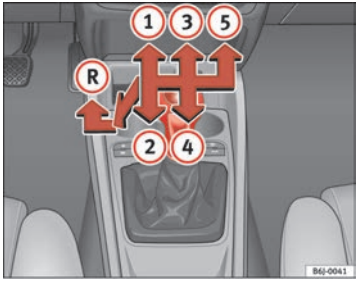

Fig. 95 Centre Console: gear shift pattern of a 5-speed manual gearbox

Engaging the reverse gear

– The vehicle should be stationary with the engine idling. Press the clutch down thoroughly.

– Place the gear lever into neutral and push the lever downwards.

– Slide the gear lever to the left, and then into the reverse position shown on the gear lever.

Certain versions of the model may include a 6-speed manual gearbox, and its diagram is shown on the gear lever.

The reverse gear can only be engaged when the vehicle is stationary. When the engine is running and before engaging this gear, wait about 6 seconds with the clutch pressed down thoroughly in order to protect the gearbox. ▶

The reverse lights light up when the reverse gear is selected and the ignition is on.

WARNING

- **When the engine is running, the vehicle will start to move as soon as a gear is engaged and the clutch released.**
- **Never select the reverse gear when the vehicle is in motion. Risk of accident.**

Note

- Do not rest your hand on the gear lever while driving. The pressure of your hand could cause premature wear on the selector forks in the gearbox.
- When changing gear, you should always depress the clutch fully to avoid unnecessary wear and damage.
- Do not hold the car “on the clutch” on hills. This causes premature wear and damage to the clutch. ■

Automatic gearbox*

Gearbox programmes

The automatic gearbox has got two gearbox programmes.

Fig. 96 Automatic gearbox

Selecting the normal programme

– Put the selector lever into position D.

Selecting the sport programme

– Put the selector lever into position S.

If you select the normal programme, **D**, you will drive in the economy mode, i.e. the programme is designed to reduce fuel consumption. The gearbox changes up into a higher gear as soon as possible and down into a lower gear as late as possible. ▶

If you select the sport programme, **S**, you will drive in a sporty mode, i.e. a programme in which shifts into high gears are postponed in order to use the full power of the engine. ■

Selector lever lock functions

The selector lever lock in position P or N prevents gears from being engaged inadvertently, which would cause the vehicle to move.

Fig. 97 Automatic gearbox

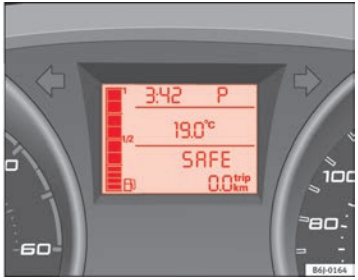

Fig. 98 Automatic gearbox: Instrument panel display

The selector lever lock is released as follows:

– Switch the ignition on.

– Hold the brake pedal pressed down and at the same time, hold the selector lever lock on the left of the selector lever also pressed down.

The warning lamp on the instrument panel lights up when the brake pedal should be applied. This is essential when the selector lever is taken from the P or N positions.

The selector lever lock only works if the vehicle is stationary or driving at speeds up to 5 km/h. At higher speeds the selector lever lock is automatically unlocked in the **N** position.

The selector lever lock is not engaged if it is moved quickly through position **N** (e.g. when shifting from **R** to **D**). This makes it possible, for instance, to “rock” the vehicle backwards and forwards if it is stuck in snow or mud. The selector lever lock engages automatically if the brake pedal is not depressed and the lever is in position **N** for more than about 1 second. ■

Driving a car with an automatic gearbox

The gearbox changes gear ratios automatically as the vehicle moves.

Fig. 99 Automatic gearbox

Starting

– Start the engine with the selector lever in position **P** or **N**.

Driving

– Hold the brake pedal pressed down.

– By holding the lock button (button on the left in the selector lever), select **R**, or **D**.

– Release the lever and wait a little for the gearbox to engage the gear (a slight movement can be felt).

– Release the brake and press the accelerator ⇒ ⚠.

Stopping briefly

– If stopping for a short time, keep the vehicle stationary by pressing the foot brake hard to prevent the car moving backwards on a slope or "creeping" forwards, e.g. at traffic lights. The selector lever does not need to be put into the positions **P** or **N**.

– Do not press the accelerator.

Parking the vehicle

– Press and hold the brake pedal until the vehicle comes to a standstill ⇒ ⚠.

– Apply the handbrake.

– By pressing the lock button down, move the selector lever to **P** and release the lock button.

Driving up and down hills

– Press the selector lever from position "D" to the right into the Tiptronic selector gate.

– Lightly press the selector lever back to change down.

Holding the car on a hill

– The brake must be always pressed down to prevent the vehicle from rolling backwards ⇒ ⚠. Do not try to prevent the vehicle from rolling backwards by increasing the engine speed while a range of gears is selected.

Starting the vehicle up hills

– Apply the handbrake.

– With a selected gear, accelerate slowly and at the same time, release the handbrake.

The steeper the slope, the lower the needed gear. This increases the braking effect of the engine. For example, when driving down a very steep slope in 3rd gear. If the engine brake effect is not enough, the vehicle will speed up. The automatic gearbox automatically changes up to prevent the engine over-revving. Use the foot brake to reduce speed and change into 3rd gear again using Tiptronic* ⇒ ⚠.

Your vehicle has an automatic interlock which prevents the selector lever from being put into a position for driving forwards or in reverse from positions **P** or **N** if the brake pedal is not depressed.

The ignition key cannot be removed unless the selector lever is in position **P**.

Warning lamp "Pressing brake pedal"

When the warning lamp next to the selector lever lights up, press the brake pedal. This is necessary when the automatic gearbox gear lever is moved out of positions **P** or **N**. At the same time, a text message or the instructions to perform necessary operations may appear on the instrument panel.

WARNING

- **As a driver, you should never leave your vehicle if the engine is running and a gear is engaged. If you have to leave your vehicle while the engine is running, you must apply the parking brake and engage parking lock P.**
- **If the engine is running and D or R are engaged, you will need to hold vehicle stopped by depressing the brake pedal. The car would keep on creeping forward as the power transmission is not fully interrupted even when the engine is idling.**
- **Never accelerate when changing gear or you may cause an accident.**
- **Never move the selector lever to R or P when driving. Risk of accident!**
- **Before driving down a long, steep slope, it is advisable to reduce speed and change into a lower gear.**

WARNING (continued)

- **If you stop the vehicle up hill, always hold the foot brake strongly depressed down to stop it from rolling back.**
- **Never allow the brake to rub and do not use the brake pedal too often or for long periods. Constant braking will cause the brakes to overheat and will considerably reduce the brake effect. This increases the braking distance and could cause the brake system to fail.**
- **Never allow the car to roll down a mountain or a slope with the lever in the N or D position, regardless of the engine is running or not.**

Caution

- If you stop the vehicle up hills, do not attempt to stop it from rolling back by depressing the accelerator when a gear has been selected. Otherwise, the automatic gearbox may overheat causing damage. Pull the handbrake up or fully depress the brake pedal to prevent the vehicle from rolling away.
- If you allow the car to roll when the engine is not running, or with the gear lever in position N, a lack of lubrication in the automatic gearbox will damage it. ■

Changing gear in tiptronic mode*

The tiptronic system allows the driver to select gears manually

Fig. 100 Changing gear with tiptronic

Fig. 101 Steering wheel with paddle levers for automatic gearbox

General information about driving in tiptronic mode

Changing gear in Tiptronic mode

– Press the selector lever from position **D** to the right into the Tiptronic selector gate.

– Lightly press the selector forward + to change up into high gears.

– Lightly press the selector lever backwards - to change down into low gears.

Changing gear with the steering wheel paddle levers*

– Press the right paddle lever (+) towards the steering wheel to change up ⇒ fig. 101.

– Press the left paddle lever (-) towards the steering wheel to change down ⇒ fig. 101.

Using the paddle levers on the steering wheel, you can access manual driving mode regardless of the pre-selected driving mode.

General information about driving in tiptronic mode

When accelerating, the automatic gearbox / DSG automatic gearbox goes into a higher gear a little before the engine reaches its maximum permitted revolutions.

If a lower gear is selected, the automatic gearbox / DSG automatic gearbox will only change down when the engine cannot go over its maximum permitted revolutions.

If tiptronic is selected whilst the vehicle is in motion and the automatic gearbox / DSG automatic gearbox is in 3rd gear in gear lever position **D**, tiptronic mode will then also be in 3rd gear.

Changing gears in the normal or sport programme using the steering wheel paddle levers

If the paddle levers ⇒ page 137, fig. 101 are used in the normal or sport programme, the system switches temporarily to tiptronic mode. To exit "Tiptronic" mode again, press the right paddle lever (+) towards the steering wheel for approximately one second. You will also leave tiptronic mode if the paddle levers are not moved for a certain time.

Note

- The gear paddle levers on the steering wheel can be operated with the gear lever in any position and with the vehicle in motion. ■

Selector lever positions

The selector lever positions and gears are shown on the instrument panel screen.

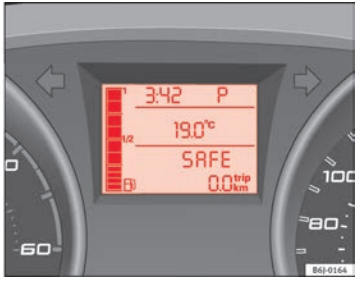

Fig. 102 Automatic gearbox: Instrument panel display

Selector lever positions

The selected gear is displayed on the side of the selector lever and on the instrument panel screen. The currently selected gear for the automatic gearbox will also be shown on the display.

Tiptronic gear indicator

If the automatic gearbox is shifted manually, the selected gears are shown on the screen.

P - parking lock

When the selector lever is in this position, the drive wheels are locked mechanically.

Position P on the lever must only be selected if the vehicle is stationary.

To move selector lever from position **P**, the locking button on the selector lever handle must be pressed and the brake pedal depressed at the same time while the ignition is switched on.

To put the selector lever in position **P**, simply press the lock button down and, if necessary, depress the brake pedal down.

R - Reverse gear

The reverse gear is engaged in this position.

Reverse gear must be engaged only when the vehicle is stationary and the engine is idling.

To move the selector lever to position **R**, press the lock button down and, at the same time, press the brake pedal down, with the ignition switched on.

With the selector lever in position **R** and the ignition switched on the following occurs:

- Reverse lights light up.
- The air conditioner automatically changes the air recirculation mode.
- The wiper starts if the windscreen washer is on.
- The parking distance warning system switches on*.

N - Neutral (idling)

If this position is selected, the gearbox is in neutral. Power is not transmitted to the wheels and the engine does not have a braking function.

Never use the **N** position to drive down a hill. The engine does not function as a brake and the brakes are subjected to excessive stain.

You could damage the automatic gearbox if you drive down hills with the gear lever in position **N** and the engine switched off.

D - Drive (forwards)

In this position the gearbox automatically changes to a lower or higher gear, according to the engine's requirements, the driving style and speed. The braking effect of the engine when driving downhill is very limited when the selector is in this position. The instrument panel displays the selected gear as well as the selector lever in position **D**.

If position **N** has been selected and you wish to select **D**, you must press the foot brake if the vehicle is stationary, or travelling at under 5 km/h.

S - Standard driving position (Sport programme)

When the selector lever is in position **S**, it will automatically change up into a higher gear later, and change down into a low gear, if compared with position **D**. This way, it is possible to take full advantage of the engine reserve power, depending on the engine demand, driving style and speed. The braking effect of the engine when driving downhill is very limited. On the instrument panel display the selected gear is shown as well as the selector lever to position **S**.

To select gear range **S**, press the lock button on the selector lever.

WARNING

If the vehicle moves with no control, an accident and serious injury may occur.

WARNING (continued)

- **As a driver, you should never leave your vehicle if the engine is running and a gear is engaged. If you have to leave your vehicle while the engine is running, you must always apply the handbrake and engage parking lock P.**
- **If the engine is running and if D or R are engaged, you will need to hold the the vehicle stopped by depressing footbrake down. The car would creep forward as the power transmission is not fully interrupted even when the engine is idling.**
- **Never accelerate when changing gear or you may cause an accident.**
- **Never move the selector lever to “R” or “P” when driving. Risk of accident.**
- **Before driving down a very steep slope, reduce your speed and shift to first gear.**
- **Always hold the vehicle on the foot brake if you stop on hills. Otherwise, the vehicle could roll back.**
- **Never allow the brake to rub and do not use the brake pedal too often or for long periods. Constant braking will cause the brakes to overheat and will considerably reduce the brake effect. This increases the braking distance and could cause the brake system to fail.**

WARNING

Never switch the engine off until the vehicle is stationary. You could lose control of your vehicle. This could cause an accident and serious injury.

- **The airbags and belt tensioners do not work when the ignition is switched off.**
- **The brake servo does not work when the engine is not running. You need more force to stop the vehicle.**
- **Power assisted steering does not work when the engine is not running. That is why it is much more difficult to turn the steering wheel.**

WARNING (continued)

- **Never remove the key from the ignition if the vehicle is in motion. The steering lock could suddenly engage, and you would not be able to steer the vehicle.**
- **Never allow the car to roll downhill with the gear in "N", regardless of the engine is running or not.**

Caution

If you allow the vehicle to move when the engine is switched off or with the selector lever in position "N", take your foot off the accelerator and wait until the engine starts idling before returning to position "D". ■

Kickdown feature

The kickdown feature is designed to give maximum acceleration.

If you press the accelerator down thoroughly, the gearbox automatically changes down, depending on speed and engine speed, into a lower gear to take full advantage of give the vehicle maximum acceleration.

The gearbox does not change gear until the engine reaches the maximum determined engine speed for the gear.

WARNING

You could lose control of the vehicle if you accelerate on slippery road surfaces. Risk of serious injury.

- **Be particularly careful when using the kickdown features on slippery road surfaces. With a fast acceleration, the vehicle could lose traction and skid.**

WARNING (continued)

- **You should use the kickdown feature only when traffic and weather conditions allow it to be used safely.** ■

Handbrake

Using the handbrake

The handbrake should be applied firmly to prevent the vehicle from accidentally rolling away.

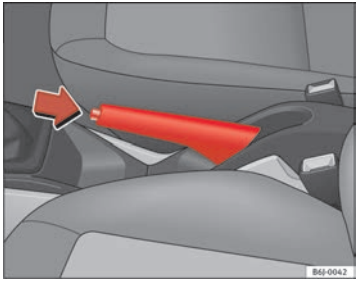

Fig. 103 Handbrake between the front seats

Always apply the handbrake when you leave your vehicle and when you park. ▶

Applying the handbrake

– Pull the handbrake lever up firmly ⇒ fig. 103.

Releasing the handbrake

– Pull the lever up slightly and press the release knob in the direction of the arrow ⇒ fig. 103 and guide the handbrake lever down fully ⇒ ⚠.

Always apply the handbrake *as far as it will go* in order to prevent you from driving with the handbrake applied by mistake ⇒ ⚠.

The handbrake warning lamp (!) lights up when the handbrake is applied and the ignition switched on. The warning turns off when the handbrake is released.

⚠ WARNING

- **Never use the handbrake to stop the vehicle when it is in motion. The braking distance is considerably longer, because braking is only applied to the rear wheels. Risk of accident!**
- **If it is only partially released, this will cause rear brakes overheating, which can impair the function of the brake system and could lead to an accident. This also causes premature wear on the rear brake pads.**

(!) Caution

Always apply the handbrake before you leave the vehicle. The first gear should also be selected. ■

Parking

The handbrake should always be firmly applied when the vehicle is parked.

Always note the following points when parking the vehicle:

– Use the brake pedal to stop the vehicle.

– Apply the handbrake.

– The first gear should also be selected.

– Switch the engine off and remove the key from the ignition lock. Turn the steering wheel slightly to engage the steering lock.

– Always take you car keys with you when you leave the vehicle ⇒ ⚠.

Additional notes on parking the vehicle on gradients:

Turn the steering wheel so that the vehicle rolls against the kerb if it started to roll.

- If the vehicle is parked facing **downhill**, turn the front wheels so that they point *towards the kerb*.
- If the vehicle is parked facing **uphill**, turn the front wheels so that they point *away from the kerb*.
- Secure the vehicle as normal by applying the handbrake firmly and engaging first gear.

⚠ WARNING

- **Take measures to reduce the risk of injury when you leave your vehicle unattended.**

WARNING (continued)

- **Never park where the hot exhaust system could ignite inflammable materials, such as dry grass, low bushes, spilt fuel etc.**
- **Never allow vehicle occupants to remain in the vehicle when it is locked. They would be unable to open the vehicle from the inside, and could become trapped in the vehicle in an emergency. In the event of an emergency, locked doors will delay assistance to occupants.**
- **Never leave children alone in the vehicle. They could set the vehicle in motion, for example, by releasing the handbrake or the gear lever.**
- **Depending on weather conditions, it may become extremely hot or cold inside the vehicle. This can be fatal.** ■

Hill-start assist*

This function is only included in vehicles with ESP.

This device helps when starting uphill.

These are the basic operation conditions: doors closed, brake pedal pressed down and vehicle in neutral. The system gets activated on engaging gear.

After removing your foot from the brake pedal, the braking force is maintained for a few seconds to prevent the vehicle from moving backward when putting into gear. This short space of time is enough to start the vehicle with ease.

This system also works when reversing uphill.

WARNING

- **If you do not start the vehicle immediately after taking your foot off the brake pedal, the vehicle may start to roll back under certain conditions. Depress the brake pedal or use the hand brake immediately.**

WARNING (continued)

- **If the engine stalls, depress the brake pedal or use the hand brake immediately.**
- **When following a line of traffic uphill, if you want to prevent the vehicle from rolling back accidentally when starting off, hold the brake pedal down for a few seconds before starting off.**

Note

The Official Service or a specialist workshop can tell you if your vehicle is equipped with this system. ■

Acoustic parking aid system*

Rear parking aid

The parking aid system will use an acoustic signal to warn of the approach of any object towards the rear of the vehicle.

Description

The acoustic parking aid system will measure the distance between the rear of the vehicle and any possible obstacle using four ultrasonic sensors located on the rear bumper. The measuring range of the sensors starts **approximately and depending on the nature of the obstacle** at a distance of:

- side of the rear bumper: 0.6 m
- middle of the rear bumper: 1.6 m

Activation

The system is activated by engagement of the reverse gear. A brief acoustic signal confirms the activation and correct function of the system. ▶

Reverse gear

The distance warning will begin as soon as an obstacle is detected by the system. The frequency of the bleeps emitted by the system will increase rapidly as the vehicle approaches the obstacle.

Within a short distance of about 30cm, a continuous signal sounds (stop signal). The driver should not reverse any further.

Models with a factory-fitted towing bracket: When the vehicle is less than 0.35 m away from the obstacle the warning tone will sound continuously. The driver should then not reverse any further.

The warning tone decreases by 30% after 3 seconds from the start of the system.

Provided that it is not in continuous mode, the tone on the parking aid system stops when it detects a wall parallel to the vehicle.

Trailer towing

For vehicles factory-fitted with a towing bar, the parking aid system will not be activated by the engagement of the reverse gear when pulling a trailer, as the trailer's electric connector will be plugged into the vehicle.

Possible faults

If a continuous beep sounds for some seconds when the reverse gear is engaged, this indicates that there is a fault in the parking aid system.

If the fault continues until the ignition is turned off, the acoustic signal warning of the fault will not be emitted every time the system is reactivated (by engaging the reverse gear). Thus, the system ready indication will not sound either. Have the fault repaired by an Authorised Service Centre as soon as possible.

If there is no ready signal or no acoustic warning signal, then the parking aid loudspeaker is faulty and may not warn of obstacles.

To ensure that the system works properly, the sensors must be kept clean and free of ice and snow.

WARNING

- **The sensors have blind spots in which obstacles may not be detected.**
- **Always look out for small children and animals because the system will not always detect them. Always pay attention when reversing to avoid accidents.**
- **The parking aid is not a replacement for driver awareness. The driver must take full responsibility for parking and other manoeuvres.**

Caution

- Please note that low obstacles detected by the system may no longer be registered by the sensors as the car moves closer, so the system will not give any further warning. Certain kinds of obstacles (such as wire fences, chains, thin posts or trailer draw bars, high kerbs or painted railings etc) may not always be detected by the system, so there is a risk of damaging the vehicle in such cases.
- In some cases, obstacles with uniform edges and bumps may not be detected immediately by the system due to their geometry. Take special care of this type of obstacle (corners, rectangular objects, etc.), as they can cause damage to the vehicle.
- Be especially careful when manoeuvring into a corner between two perpendicular walls. Carefully watch the approach of the wall to the side of the vehicle (using the mirrors).
- The parking aid system does not replace use of the mirrors for manoeuvres.
- External ultra-sonic sources (pneumatic drills, construction machinery, other vehicles with PDC) may interfere with the operation of the system.
- Periodic cleaning of the sensors, take care not to damage or scratch them. When cleaning with high pressure washers or steam cleaners, the sensors should be sprayed for only a very short period and from a distance of more than 10 cm. ■

Cruise control* (GRA)

Description

The cruise control system is able to maintain the set speed in the range of 30 km/h to 180 km/h.

Once the speed setting has been saved, you may take your foot off the accelerator.

WARNING

It could be dangerous to use the cruise control system if it is not possible to drive at constant speed.

- **Do not use the cruise control system when driving in dense traffic, on roads with lots of bends or on roads with poor conditions (with ice, slippery surfaces, loose grit or gravel), as this could cause an accident.**
- **Always switch the cruise control system off after using it in order to avoid an involuntary use.**
- **It is dangerous to use a set speed which is too high for the current road, traffic or weather conditions. Risk of accident.**

Note

The cruise control cannot maintain a constant speed when descending downhill. The vehicle will accelerate due to its own weight. Use the foot brake to slow the vehicle. ■

Switching the cruise control system on and off

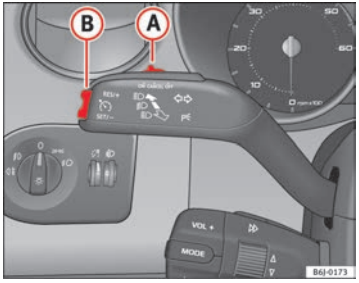

Fig. 104 Turn signal and main beam headlight lever: switch and rocker switch for the cruise control

Switching on the system

– Move the control ⇒ fig. 104 (A) to the left to **ON**.

Switching off the system

– Move the control (A) to the right to **OFF** or turn the ignition off when the vehicle is stationary.

When the cruise control is on and a speed is programmed, the indicator on the instrument panel is lit.[11)]

If the cruise control system is *switched off*, the symbol is switched off. The system will also be fully switched off when the **1st** gear is selected.* ■

11) Depending on the model version

Setting speed*

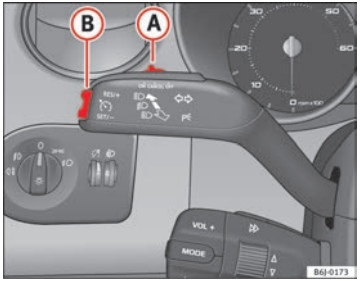

Fig. 105 Turn signal and main beam headlight lever: switch and rocker switch for the cruise control

– Press the lower part **SET** of the rocker switch ⇒ fig. 105 (B) once briefly when you have reached the speed you wish to set.

When you release the rocker switch, the current speed is set and held constant. ■

Adjusting set speed*

The speed can be altered without touching the accelerator or the brake.

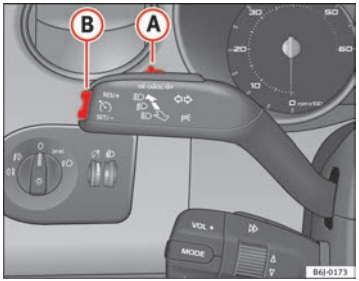

Fig. 106 Turn signal and main beam headlight lever: switch and rocker switch for the cruise control

Setting a higher speed

– Press the upper part **RES** of the rocker switch ⇒ fig. 106 (B) to increase the speed. The vehicle will continue to accelerate as long as you keep the rocker switch pressed. When you release the switch, the new speed is stored.

Setting a lower speed

– Press the lower part **SET–** of the rocker switch (B) to reduce the speed. The vehicle will automatically reduce its speed for as long as you keep the switch pressed. When you release the switch, the new speed is stored. ▶

When you increase speed with the accelerator and then release the pedal, the system will automatically restore the set speed. This will not be the case, however, if the vehicle speed is more than 10 km/h higher than the stored speed for longer than 5 minutes. The speed will have to be stored again.

Cruise control is switched off if you reduce speed by depressing the brake pedal. Reactivate the control by pressing once on the upper part of the rocker switch **RES+** ⇒ page 145, fig. 106 (B).

WARNING

It is dangerous to use a set speed which is too high for the current road, traffic or weather conditions. Risk of accident. ■

Switching off the system temporarily*

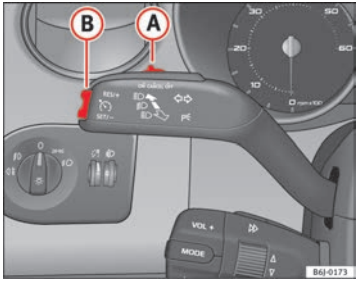

Fig. 107 Turn signal and main beam headlight lever: switch and rocker switch for the cruise control

The cruise control system will be switched off in the following situations:

- if the brake pedal is depressed,
- if the clutch pedal is depressed,
- if the vehicle is accelerated to over 180 km/h,
- when the lever (A) is moved in the direction of **OFF** without fully being engaged.

To resume cruise control, release the brake or clutch pedal or reduce the vehicle speed to less than 180 km/h and press once on the upper part of the rocker switch **RES** ⇒ fig. 107 (B).

WARNING

It is dangerous to use a set speed which is too high for the current road, traffic or weather conditions. Risk of accident. ■

Completely switching off the system

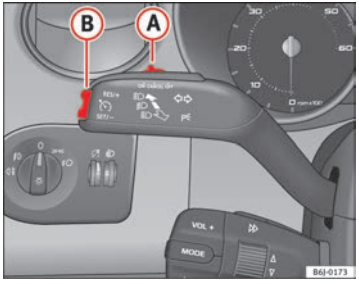

Fig. 108 Turn signal and main beam headlight lever: switch and rocker switch for the cruise control

Vehicles with a manual gearbox

The system **is completely turned off** by moving the control (A) all the way to the right hand side (OFF engaged), or when the vehicle is stationary, ignition off.

Vehicles with an automatic gearbox

To completely disengage the system, the selector lever must be placed in one of the following positions: **P**, **N**, **R** or **1** or with the vehicle stopped and the ignition turned off. ■

Practical tips

Intelligent technology

Brakes

Brake servo

The brake servo amplifies the pressure you apply to the brake pedal. It works **only when the engine is running**.

If the brake servo is not functioning due to a malfunction, or if the vehicle has to be towed, you will have to press the brake pedal considerably harder to make up for the lack of servo assistance.

WARNING

The braking distance can also be affected by external factors.

- **Never let the vehicle coast with the engine switched off. Failure to do so could result in an accident. The braking distance is increased considerably when the brake servo is not active.**
- **If the brake servo is not working, for example when the vehicle is being towed, you will have to press the brake pedal considerably harder than normal.** ■

Brake Assist System (BAS)*

The Brake Assist System function is only included in vehicles with ESP.

In an emergency, most drivers brake in time, but not with maximum force. This results in unnecessarily long braking distances.

This is when the brake assist system comes into action. When pressing the brake pedal rapidly, the assistant interprets it as an emergency. It then very quickly builds up the full brake pressure so that the ABS can be activated more quickly and efficiently, thus reducing the braking distance.

Do not reduce the pressure on the brake pedal. The brake assist system switches off automatically as soon as you release the brake.

Warning lights automatic lighting

The brake lights flash automatically to indicate that the vehicle is braking suddenly or in an emergency situation. If the emergency braking continues until the vehicle comes to a standstill, the warning lights will then come on and the brake lights will remain on permanently from that moment. The warning lights will automatically switch off when the vehicle begins to move again or when the "warning" light button is pressed.

WARNING

- **The risk of accident is higher if you drive too fast, if you do not keep your distance to the vehicle in front, and when the road surface is slippery or wet. The increased accident risk cannot be reduced by the brake assist system.**

WARNING (continued)

- **The brake assist system cannot defy the laws of physics. Slippery and wet roads are dangerous even with the brake assist system! Therefore, it is essential that you adjust your speed to suit the road and traffic conditions. Do not let the extra safety features tempt you into taking any risks when driving.** ■

Anti-lock brake system and traction control ABS

Anti-lock brake system (ABS)

The anti-lock brake system prevents the wheels locking during braking.

The anti-lock brake system (ABS) is an important part of the vehicle's active safety system.

How the ABS works

If one of the wheels is turns too slowly in relation to the road speed, and is close to locking, the system will reduce the braking pressure for this wheel. The driver is made aware of this control process by a **pulsating of the brake pedal** and audible noise. This is a deliberate warning to the driver that one or more of the wheels is tending to lock and the ABS control function has intervened. In this situation it is important to keep the brake pedal fully depressed so the ABS can regulate the brake application. Do not “pump”.

If you brake hard on a slippery road surface, the best possible control is retained as the wheels do not lock.

However, ABS will not necessarily guarantee shorter braking distances in *all* conditions. The braking distance could even be longer if you brake on gravel or on fresh snow covering a slippery surface.

WARNING

- **The anti-lock brake system cannot defy the laws of physics. Slippery and wet roads are dangerous even with ABS! If you notice that the ABS is working (to counteract locked wheels under braking), you should reduce speed immediately to suit the road and traffic conditions. Do not let the extra safety features tempt you into taking any risks when driving.**
- **The effectiveness of ABS is also determined by the tyres fitted** ⇒ **page 193.**
- **If the running gear or brakes are modified, the effectiveness of the ABS could be severely limited.** ■

Traction control system (TCS)*

The traction control system prevents the drive wheels from spinning when the car is accelerating. The system always includes ABS

Description and operation of the traction control system during acceleration (TCS)

TCS reduces engine power to help prevent the drive wheels of front-wheel drive vehicles losing traction during acceleration. The system works in the entire speed range in conjunction with ABS. If a malfunction occurs in the ABS, the TCS will also be inoperative.

TCS helps the vehicle to start moving, accelerate and climb a gradient in slippery conditions where this may otherwise be difficult or even impossible. ▶

The TCS is switched on automatically when the engine is started. If necessary, it may be turned on or off by briefly pushing the ESP button on the centre console.

When the TCS is switched off, the warning lamp flashes slowly. The TCS should normally be left switched on at all times. Only in exceptional circumstances, when the slipping of the wheels is required, can they be disconnected using the ESP button, for example.

- With compact temporary spare wheel.
- When using the snow chains.
- When driving in deep snow or on loose surfaces
- When the vehicle is bogged-down, to free it by “rocking.”

The TCS should be switched on again afterwards as soon as possible.

WARNING

- **It must be remembered that TCS cannot defy the laws of physics. This should be kept in mind, particularly on slippery and wet roads and when towing a trailer.**
- **Always adapt your driving style to suit the condition of the roads and the traffic situation. Do not let the extra safety afforded by TCS tempt you into taking any risks when driving, this can cause accidents.**

Caution

- In order to ensure that TCS function correctly, all four wheels must be fitted with the same tyres. Any differences in the rolling radius of the tyres can cause the system to reduce engine power when this is not desired.
- Modifications to the vehicle (e.g. to the engine, the brake system, running gear or any components affecting the wheels and tyres) could affect the efficiency of the ABS and TCS. ■

XDS*

Driveshaft differential

When taking a bend, the driveshaft differential mechanism allows the outer wheel to turn at a higher speed than the inner wheel. In this way, the wheel that is turning faster (outer wheel) receives less drive torque than the inner wheel. This may mean that in certain situations the torque delivered to the inner wheel is too high, causing the wheels to spin. On the other hand, the outer wheel is receiving a lower drive torque than it could transmit. This causes an overall loss of lateral grip on the front axle, resulting in understeer or “lengthening” of the trajectory.

By using the ESP sensors and signals, the XDS system is able to detect and correct this effect.

Through the ESP, the XDS brakes the inner wheel, thereby counteracting the excess drive torque in this wheel. This means that the driver's desired trajectory is much more precise,

The XDS system operates in combination with the ESP and is always active, even when the traction control, TCS, is disconnected. ■

Electronic Stability Programme (ESP)*

General notes

The Electronic Stability Programme increases the vehicle's stability on the road.

The Electronic Stability Programme helps reduce the danger of skidding.

The Electronic Stability Programme (ESP) consists of **ABS, EDL and TCS.** ▶

Electronic Stability Programme (ESP)*

ESP reduces the danger of skidding by braking the wheels individually.

The system uses the steering wheel angle and road speed to calculate the changes of direction desired by the driver, and constantly compares them with the actual behaviour of the vehicle. If the desired course is not being maintained (for instance, if the car is starting to skid), then the ESP compensates automatically by braking the appropriate wheel.

The forces acting on the braked wheel bring the vehicle back to a stable condition. If the vehicle tends to oversteer, the system will act on the front wheel on the outside of the turn.

WARNING

- **It must be remembered that ESP cannot defy the laws of physics. This should be kept in mind, particularly on slippery and wet roads and when towing a trailer.**
- **Always adapt your driving style to suit the condition of the roads and the traffic situation. Do not let the extra safety afforded by ESP tempt you into taking any risks when driving, this can cause accidents.**

Caution

- In order to ensure that ESP functions correctly, all four wheels must be fitted with the same tyres. Any differences in the rolling radius of the tyres can cause the system to reduce engine power when this is not desired.
- Modifications to the vehicle (e.g. to the engine, the brake system, running gear or any components affecting the wheels and tyres) could affect the efficiency of the ABS, EDL, ESP and TCS. ■

Anti-lock brake system (ABS)

The anti-lock brake system prevents the wheels locking during braking ⇒ page 150. ■

Electronic differential lock (EDL)*

The electronic differential lock helps prevent the loss of traction caused if one of the driven wheels starts spinning.

EDL helps the vehicle to start moving, accelerate and climb a gradient in slippery conditions where this may otherwise be difficult or even impossible.

The system will control the revolutions of the drive wheels using the ABS sensors (in case of an EDL fault the warning lamp for ABS lights up) ⇒ page 59.

At speeds of up to approximately 80 km/h, it is able to balance out differences in the speed of the driven wheels of approximately 100 rpm caused by a slippery road surface on *one side* of the vehicle. It does this by braking the wheel which has lost traction and distributing more driving force to the other driven wheel via the differential.

To prevent the disc brake of the braking wheel from overheating, the EDL cuts out automatically if subjected to excessive loads. The vehicle will continue to function normally without EDL. For this reason, the driver is not informed that the EDL has been switched off.

The EDL will switch on again automatically when the brake has cooled down.

WARNING

- **When accelerating on a slippery surface, for example on ice and snow, press the accelerator carefully. Despite EDL, the driven wheels may start to spin. This could impair the vehicle's stability.**

WARNING (continued)

- **Always adapt your driving style to suit road conditions and the traffic situation. Do not let the extra safety afforded by EDL tempt you into taking any risks when driving, this can cause accidents.**

Caution

Modifications to the vehicle (e.g. to the engine, the brake system, running gear or any components affecting the wheels and tyres) could affect the efficiency of the EDL ⇒ page 170. ■

The traction control system (TCS)

The traction control system prevents the drive wheels from spinning when the car is accelerating ⇒ page 150. ■

Driving and the environment

Running-in

Running in a new engine

The engine needs to be run-in over the first 1500 km.

Up to 1000 kilometres

– Do not drive at speeds of more than 2/3 the maximum speed.

– Do not accelerate hard.

– Avoid high engine revolutions.

– Do not tow a trailer.

From 1000 to 1500 km

– Speeds can be *gradually* increased to the maximum road speed or maximum permissible engine speed (rpm).

During its first few hours of running, the internal friction in the engine is greater than later on, when all the moving parts have bedded in.

For the sake of the environment

If the engine is run in gently, its life will be increased and its oil consumption, reduced. ■

Running in tyres and brake pads

New tyres should be run-in carefully for the first 500 km. New brake pads should be run-in carefully for the first 200 km.

During the first 200 km, you can compensate for the reduced braking effect by applying more pressure to the brake pedal. In case of a sharp braking, the braking distance will be longer with new brake pads than with brake pads which have been run-in.

WARNING

- **At first, new tyres do not give maximum grip, and require running-in. This may cause an accident. Drive particularly carefully in the first 500 km.**
- **New brake pads must be "run in" and do not have the correct friction properties during the first 200 km. However, the reduced braking capacity may be compensated by pressing on the brake pedal a little harder.** ■

Braking effect and braking distance

The braking effect and braking distance are influenced by driving situations and road conditions.

The efficiency of the brakes depends directly on the **brake pad** wear. The rate of wear of the brake pads depends to a great extent on the conditions under which the vehicle is operated and the way the vehicle is driven. If you often drive in town traffic, drive short distances or have a sporty driving style, we recommend that you have the thickness of your brake pads checked by an Authorised Service Centre more frequently than recommended in the Service Schedule.

If you drive with **wet brakes**, for example, after crossing areas of water, in heavy rainfall or even after washing the car, the effect of the brakes is lessened as the brake discs are wet or even frozen (in winter): Dry the brakes by braking several times.

WARNING

Longer braking distances and faults in the brake system increase the risk of accidents.

- **New brake pads must be run in and do not have the correct friction during the first 200 km. However, the reduced braking capacity may be compensated by pressing on the brake pedal a little harder. This also applies when new brake pads are fitted.**
- **If brakes are wet or frozen, or if you are driving on roads which have been gritted with salt, braking power may set in later than normal.**
- **On steep slopes, if brakes are excessively used, they will overheat. Before driving down a long steep slope, it is advisable to reduce speed and change down into a lower gear (or move the selector lever to a lower gear if your vehicle has automatic transmission). This makes use of engine braking and relieves the brakes.**
- **Never let the brakes "slip" by applying light pressure. Continuous braking will cause the brakes to overheat and the braking distance will increase. Apply and then release the brakes alternately.**
- **Never let the vehicle run with the engine switched off. The braking distance is increased considerably when the brake servo is not active.**
- **Very heavy use of the brakes may cause a vapour lock if the brake fluid is left in the system for too long. This impairs the braking effect.**
- **Non-standard or damaged front spoilers could restrict the airflow to the brakes and cause them to overheat. Before purchasing accessories please observe the relevant ⇒ page 170, "Technical modifications" instructions.**
- **If a brake circuit fails, the braking distance will be increased considerably. Contact a qualified workshop immediately and avoid unnecessary journeys.** ■

Exhaust gas purification system

Catalytic converter*

To conserve the useful life of the catalytic converter

– Always use unleaded petrol.

– Do not let the fuel get too low in the tank.

– For engine oil changes, do not replenish with too much engine oil ⇒ page 183, "Topping up engine oil".

– Never tow the vehicle to start it, use jump leads if necessary ⇒ page 219.

If you notice misfiring, uneven running or loss of power when the vehicle is moving, reduce speed immediately and have the vehicle inspected at the nearest qualified workshop. In general, the exhaust gas warning lamp will light up when any of the described symptoms occur ⇒ page 56. If this happens, unburnt fuel can enter the exhaust system and escape into the environment. The catalytic converter can also be damaged by overheating.

WARNING

The catalytic converter reaches very high temperatures! Fire hazard!

- **Never park where the catalytic converter could come into contact with dry grass or inflammable materials under the vehicle.**
- **Do not apply additional underseal or anti-corrosion coatings to the exhaust pipes, catalytic converter or the heat shields on the exhaust system. These materials could catch fire when the vehicle is being driven.**

Caution

Never fully drain the fuel tank because the irregularity of the fuel supply may cause ignition problems. This allows unburnt fuel to enter the exhaust system, which could cause overheating and damage the catalytic converter.

For the sake of the environment

Even when the emission control system is working perfectly, there may be a smell of sulphur from the exhaust gas under some conditions. This depends on the sulphur content of the fuel used. Quite often the problem can be solved by changing to another brand of fuel. ■

Diesel engine particulate filter*

The diesel engine particulate filter eliminates soot produced by burning diesel.

The diesel engine dust filter eliminates most of the soot from the exhaust gas system. Under normal driving conditions, the filter cleans itself. If the driving conditions do not allow the filter to clean itself (for example, multiple short trips) the filter will be obstructed by dust and pollen and the indicator for the diesel engine particulate filter indicator will light up. See section on Warning Lamps.

WARNING

- **The diesel engine particulate filter may reach extremely high temperatures; the vehicle should be parked so that the exhaust pipe does not come into contact with flammable materials underneath the vehicle. Failure to comply could result in fire.**

Caution

- Your vehicle is **not** designed to use biodiesel fuel. **Never, under any circumstances** refuel with biodiesel. The use of biodiesel fuel could damage the engine and the fuel system. The addition of biodiesel to diesel by the diesel producer in accordance with standard EN 590 is authorised and will not cause damage to the engine or the fuel system.
- Using diesel fuel with a high sulphur content may significantly reduce the working life of the diesel particulate filter. Your Authorised Service Centre will be able to tell you which countries have diesel with a high sulphur content. ■

Economical and environmentally-friendly driving

General notes

Fuel consumption depends to a large extent on your personal driving style.

Fuel consumption, environmental impact and engine, brake and tyre wear depend largely on three factors:

- Personal driving style
- Conditions of use (weather, road surface)
- Technical requirements

By adopting an economical driving style and anticipating the traffic situation ahead, you can easily reduce fuel consumption by 10-15%. This section suggests methods of lessening the impact on the environment and reducing your operating costs at the same time. ■

Foresight when driving

A vehicle uses most fuel when accelerating. If you think ahead when driving, you will need to brake less and thus accelerate less. Wherever possible, take advantage of your vehicle inertia, for instance when you see that the next traffic light is red. ■

Regular services

By taking your car to an Authorised Service Centre for regular servicing you can establish a basis for good fuel economy *before* you start driving. A well-serviced engine gives you the benefit of **improved fuel efficiency** as well as maximum reliability and an enhanced resale value.

A badly serviced engine can consume up to 10% more fuel than necessary.

Check the **oil level** every time you refuel ⇒ page 182. Oil consumption depends to a great extent on the engine load and engine speed. Depending on your personal driving style, oil consumption can be up to 1 litre per 1,000 km. ■

Avoid short journeys

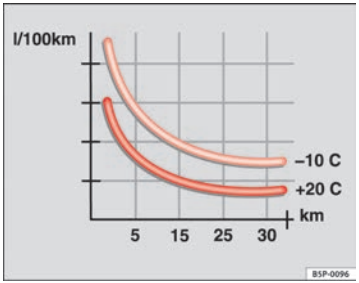

Fig. 109 Fuel consumption in litres per 100 km at two different ambient temperatures

The engine and catalytic converter need to reach their proper **working temperature** in order to minimise fuel consumption and emissions.

Directly after a cold start, the engine uses about 50-70 litres of fuel per 100 km. This figure then drops to 20-30 litres per 100 km after about one kilometre. The engine only reaches its working temperature after about *four* kilometres, when fuel consumption will return to a normal level. You should therefore avoid short journeys.

The **ambient temperature** has a decisive influence.

The illustration shows the different rates of fuel consumption for the same distance at both +20°C and -10°C. Your vehicle will use more fuel in winter than in summer. ■

Driving abroad

Observations

To drive abroad, the following must be taken into consideration:

- For vehicles fitted with a catalytic converter ensure that unleaded petrol is available for the journey. See the chapter “Refuelling”. Automobile organisations will have information about service station networks selling unleaded fuel.
- In some countries, it is possible that a vehicle model is sold under conditions where some spare parts are not available or that the Authorised Service Centre may only carry out limited repairs.

SEAT importers and distributors will gladly provide information about the technical preparation of your vehicle and also about necessary maintenance and repair possibilities. ■

Adhesive strips for headlights

If you have to drive a right-hand drive vehicle in a left-hand drive country, or vice versa, the asymmetric dipped beam headlights will dazzle oncoming traffic.

To prevent dazzling, you must apply stickers to certain parts of the headlight lenses. Further information is available in your Authorised Service Centre.

In vehicles with adaptive headlights, the rotation system must previously be disconnected. To do this, please go to a specialist workshop. ■

Trailer towing

What do you need to bear in mind when towing a trailer?

Your vehicle may be used to tow a trailer when fitted with the correct equipment.

If the car is supplied with a **factory-fitted** towing bracket it will already have the necessary technical modifications and meet the statutory requirements for towing a trailer. For the **after-market fitting** of a trailer towing bracket see ⇒ page 173.

Connectors

Your vehicle is fitted with a 12-pin connector for the electrical connection between the trailer and the vehicle.

If the trailer has a **7-pin plug** you will need to use an adapter cable. This is available in any SEAT dealer.

Trailer weight / drawbar load

Never exceed the authorised trailer weight. If you do not load the trailer up to the maximum permitted trailer weight, you can then climb correspondingly steeper slopes.

The maximum trailer weights listed are only applicable for **altitudes** up to 1,000 m above sea level. With increasing altitude the engine power and therefore the vehicle's climbing ability are impaired because of the reduced air density. The maximum trailer weight has to be reduced accordingly. The weight of the vehicle and trailer combination must be reduced by 10% for every further 1,000 m (or part thereof). The gross combination weight is the actual weight of the laden vehicle plus the actual weight of the laden trailer. When possible, operate the trailer with the maximum permitted **drawbar load** on the ball joint of the towing bracket, but do not exceed the specified limit.

The figures for **trailer weights** and **drawbar loads** that are given on the data plate of the towing bracket are for certification purposes only. The correct ▶

figures for your specific model, which may be *lower* than these figures for the towing bracket, are given in the vehicle documents or in ⇒ Section “Technical Data”.

Distributing the load

Distribute loads in the trailer so that heavy objects are as near to the axle as possible. Loads carried in the trailer must be secured to prevent them moving.

Tyre pressure

Set tyre pressure to the maximum permissible pressure shown on the sticker on the inside of the fuel tank flap. Set the tyre pressure of the trailer tyres in accordance with the trailer manufacturer's recommendations.

Exterior mirrors

Check whether you can see enough of the road behind the trailer with the standard mirrors. If this is not the case, you should have additional mirrors fitted. Both exterior mirrors should be mounted on hinged extension brackets. Adjust the mirrors to give sufficient vision to the rear.

WARNING

Never transport people in a trailer. This could result in fatal accidents.

Note

- Towing a trailer places additional demands on the vehicle. We recommend additional services between the normal inspection intervals if the vehicle is used frequently for towing a trailer.
- Find out whether special regulations apply to towing a trailer in your country. ■

Ball coupling of towing bracket*

The ball coupling is provided with instructions on fitting and removing the ball coupling of the towing bracket.

WARNING

The towing bracket ball coupling must be stored securely in the luggage compartment to prevent them being flung through the vehicle and causing injury.

Note

- By law, the ball coupling must be removed if a trailer is not being towed and it obscures the number plate. ■

Driving tips

Driving with a trailer always requires extra care.

Weight distribution

The weight distribution of a loaded trailer with an unladen vehicle is very unfavourable. However, if this cannot be avoided, drive extra slowly to allow for the unbalanced weight distribution.

Speed

The stability of the vehicle and trailer is reduced with increasing speed. For this reason, it is advisable not to drive at the maximum permissible speed in an unfavourable road, weather or wind conditions. This applies especially when driving downhill.

You should always reduce speed immediately if the trailer shows the slightest sign of **snaking**. Never try to stop the “snaking” by increasing speed. ▶

Always brake in due course. If the trailer has an **overrun brake**, apply the brakes *gently at first* and then, firmly. This will prevent the jerking that can be caused by the trailer wheels locking. Select a low gear in due course before going down a steep downhill. This enables you to use the engine braking to slow down the vehicle.

Reheating

At very high temperatures and during prolonged slopes, driving in a low gear and high engine speed, always monitor the temperature gauge for the coolant ⇒ page 47.

Electronic Stability Programme*

The ESP* system helps to stabilise the trailer in case of skidding or rocking. ■

Vehicle maintenance and cleaning

General notes

Regular washing and care help maintain the value of your vehicle.

Your vehicle maintenance

Regular care and washing help to **maintain the value** of the vehicle. This may also be one of the requirements for acknowledging warranty claims in the event of bodywork corrosion or paint defects.

The best way to protect your car against the harmful effects of the environment is through correct maintenance and *frequent* washing. The longer substances such as insects remains, bird droppings, resinous tree sap, road dirt, industrial deposits, tar, soot or road salt and other aggressive materials remain on the vehicle, the more damage they do to the paintwork. High temperatures (for instance in strong sunlight) further intensify the corrosive effect.

After winter, a period when salt is put on the roads, it is important to have the **underside** of the vehicle washed thoroughly.

Products for vehicle maintenance

Car care products are available in your Authorised Service Centre. Keep the product instructions until you have used them up.

WARNING

- **Car care products can be toxic. For this, they must always be kept closed in their original container. Keep them out of the reach of children. Failure to comply could result in poisoning.**
- **Always read and observe the instructions and warnings on the package before using car care products. Improper use could damage your health or**

WARNING (continued)

your vehicle. The use of certain products may produce noxious vapours; they should be used in well ventilated areas.

- **Never use fuel, turpentine, engine oil, nail varnish remover or other volatile fluids. These are toxic and highly flammable. Risk of fire and explosion.**
- **Before washing your vehicle, or carrying out any maintenance, switch the engine off, apply your handbrake firmly and remove the key from the ignition.**

Caution

Never attempt to remove dirt, mud or dust if the surface of the vehicle is dry. Never use a dry cloth or sponge for cleaning purposes. This could damage the paintwork or the windows of your vehicle. Soak dirt, mud or dust with plenty of water.

For the sake of the environment

- When purchasing products for your vehicle maintenance, select the ones which are not harmful to the environment.
- The leftovers of the car care products should not be disposed of with ordinary household waste. Observe the disposal information on the package. ■

Care of the vehicle exterior

Automatic car washing tunnel

The vehicle paintwork is so durable that the car can normally be washed without problems in an automatic car washing tunnel. However, the paintwork wear depends to a large extent, on the kind of the car washing tunnel, the brushes used, its water filtering and the type of cleaning and preservative products.

Before going through a car wash, be sure to take the usual precautions such as closing the windows and sunroof. There is nothing to note apart from that.

If the vehicle has special accessories such as spoilers or a roof rack or two-way radio aerial, etc., it is advisable to consult the car washing tunnel operator.

After washing, the **brakes** could hesitate to respond as the brake discs and pads could be wet, or even frozen in winter. Dry the brakes by braking several times.

WARNING

Water, ice and salt on the brakes can reduce braking efficiency. Risk of accident.

Caution

Before putting the vehicle through the car washing tunnel, do not tighten the aerial if it is folded because it can be damaged. ■

Washing by hand

Vehicle washing

– First soften the dirt with plenty of water and rinse it off.

– Clean your vehicle from top to bottom with a soft sponge, a glove or a brush. Use very light pressure.

– Rinse the sponge or glove often with clean water.

– Special car shampoo should only be used for very stubborn dirt.

– Clean the wheels, sill panels etc. until last with a different sponge or glove.

– Rinse the vehicle thoroughly with water.

– Dry your vehicle surface gently with a chamois leather.

– When **temperature is cold**, dry the rubber seals and its surfaces to prevent them from freezing. Apply silicone spray to the rubber seals.

After washing

– Directly after washing, avoid sudden and sharp braking. Dry the brakes by braking several times.

WARNING

- **Wash your car with the ignition switched off.**
- **Protect your hands and arms from cuts on sharp metal edges when cleaning the underbody, the inside of the wheel housings etc. Risk of injury.**

WARNING (continued)

- **Water, ice and salt on the brakes can reduce braking efficiency. Risk of accident.**

Caution

- Never remove dirt, mud or dust if the vehicle surface is dry. Never use a dry cloth or sponge for cleaning purposes. This could scratch the paintwork or glass on your vehicle.
- Washing the vehicle in low temperatures: when washing the vehicle with a hose, do not direct water into the lock cylinders or the gaps around the doors, tailgate, or sunroof. Risk of freezing.

For the sake of the environment

To protect environment, the car should be washed only in specially provided wash bays. This prevents toxic, oil-laden waste water entering the sewerage system. In some districts, washing vehicles outside wash bays is prohibited.

Note

Do not wash the vehicle in direct sunlight. ■

Washing the car with a high pressure cleaner

Be particularly careful when using a high pressure cleaner!

– Always observe the instructions for the high-pressure cleaner, particularly those concerning the **pressure** and the **spraying distance**.

– Increase the spraying distance for soft materials and painted bumpers.

– Do not use a high pressure cleaner to remove ice or snow from windows ⇒ page 164.

– Never use concentrated jet nozzles (“rotating jets”) ⇒ ⚠.

– Directly after washing, avoid sudden and sharp braking. Dry the brakes by braking several times ⇒ page 154.

WARNING

- **Never wash tyres with a concentrated jet (“rotating nozzle”). Even at large spraying distances and short cleaning times, visible and invisible damage can occur to the tyres. This may cause an accident.**
- **Water, ice and salt on the brakes can reduce braking efficiency. Risk of accident.**

Caution

- Do not use water hotter than 60°C. This could damage the vehicle.
- To avoid damage to the vehicle, keep a sufficient distance from sensitive materials such as flexible hoses, plastic, soundproofing material, etc. This is also important for bumpers painted as the paintwork. The closer the nozzle is to the surface, the greater the wear on the material. ■

Vehicle paint maintenance

Regular waxing protects the paintwork.

You need to apply wax to your car if water does not form small drops and run off the paintwork when it is *clean*. ▶

A good quality *hard wax*product is available from your Authorised Service Centre.

Regular wax applications help to protect the paintwork from environmental contaminants ⇒ page 161. It is also effective in protecting against minor scratches.

Even if a **wax solution** is used regularly in the car washing tunnel, it is advisable to protect the paint with a hard wax coating at least twice a year. ■

Polishing the paintwork

Polishing brings back gloss to the paintwork.

Polishing is only necessary if the paint has lost its shine, and the gloss cannot be brought back by applying wax. Polishing products can be purchased in your Authorised Service Centre.

The car must be waxed after polishing if the polish used does not contain wax compounds to seal the paint ⇒ page 163, “Vehicle paint maintenance”.

Caution

To prevent damage to the paintwork:

- Do not use polishes and hard wax on painted parts with a matte finish or on plastic parts.
- Do not polish your vehicle in a sandy or dusty environment. ■

Caring for plastic parts

Solvents damage plastic parts.

If normal washing fails to clean plastic parts, clean them with approved **solvent-free** plastic cleaning and care products.

Caution

- The use of liquid air freshener directly over the air vents of the vehicle may damage the plastic parts if the liquid is accidentally spilled.
- Cleaning products which contain solvents will damage the material. ■

Cleaning windows and exterior mirrors

Cleaning windows

– Moisten the windows with commercially available, alcohol based glass cleaner.

– Dry the windows with a clean chamois leather or a lint-free cloth.

Removing snow

– Use a small brush to remove snow from the windows and mirrors.

Removing ice

– Use a de-icer spray.

Use a clean cloth or chamois leather to dry the windows. The chamois leathers used on painted surfaces are not suitable to clean windows because they are soiled with wax deposits which could smear the windows. ▶

If possible, use a de-icing spray to remove ice. If you use an ice scraper, push it in one direction only without swinging it.

Use window cleaner or a silicone remover to clean rubber, oil, grease and silicone deposits off.

Wax deposits can be removed with a special cleaner available in your Authorised Service Centre. Wax deposits on the windscreen could cause the wiper blades to judder. If a window cleanser, specifically for removing wax, is added to the windscreen washer fluid prevents wiper blades from juddering. Wax deposits are not removed.

Caution

- Never use warm or hot water to remove snow and ice from windows and mirrors. This could cause the glass to crack!
- The heating element for the rear window is located on the inner side of the window. To prevent damage, do not put stickers on the heating elements inside the window. ■

Cleaning windscreen wiper blades

Clean wiper blades are essential to provide clear vision.

1. Use a soft cloth to remove dust and dirt from the windscreen wiper blades.
2. Use window cleanser to clean the windscreen wiper blades. Use a sponge or a cloth to remove stubborn stains. ■

Rubber seals maintenance

If rubber seals are well looked after, they will not freeze so quickly.

1. Use a soft cloth to remove dust and dirt from the rubber seals.
2. Apply a specialist care product to the rubber seals.

The rubber strips on the doors, windows, bonnet and tailgate will remain pliable and last longer if they are treated with a suitable care product (for example silicone spray).

Caring for rubber seals will also prevent premature ageing and leaks. The doors will be easier to open. If rubber seals are well looked after, they will not freeze so quickly in winter. ■

Door lock cylinders

The door lock cylinders can freeze up in winter.

To de-ice the lock cylinders you should only use spray with lubricating and anti-corrosive properties. ■

Cleaning chrome parts

1. Clean chrome parts with a damp cloth.
2. Polish chrome parts with a soft, dry cloth.

If this does not provide satisfying results, use a specialist **chrome cleaning product**. Chrome cleaning products will remove stains and coatings from the surface.

Caution

To prevent scratching chrome surfaces:

- Never use an abrasive care product on chrome.
- Do not clean or polish chrome parts in a sandy or dusty environment. ■

Steel wheel rims

– Clean steel wheel rims regularly using a separate sponge.

Use an industrial cleanser to remove brake dust. Any damage to the paint on steel wheel rims should be repaired before starting to rust.

WARNING

- **Never wash tyres with a cylindrical jet. Even at large spraying distances and short cleaning times, visible and invisible damage can occur to the tyres. This may cause an accident.**
- **Water, ice and salt on the brakes can reduce braking efficiency. Risk of accident. Directly after washing, avoid sudden and sharp braking. Dry the brakes by braking several times ⇒ page 154, “Braking effect and braking distance”.** ■

Alloy wheel rims

Every two weeks

– Wash salt and brake dust from alloy wheels.

– Use an acid free detergent to clean the wheel rims.

Every three months

– Apply a hard wax compound to the wheels.

Alloy wheels require regular attention to preserve their appearance. If road salt and brake dust are not often removed, the aluminium finish will be impaired.

Always use an acid-free detergent for alloy wheel rims.

Car polish or other abrasive agents should not be used. If the protective coating is damaged, e.g. by stone impact, the damaged area should be repaired immediately.

WARNING

- **Never wash tyres with a cylindrical jet. Even at large spraying distances and short cleaning times, visible and invisible damage can occur to the tyres. This may cause an accident.**
- **Water, ice and salt on the brakes can reduce braking efficiency. Risk of accident. Directly after washing, avoid sudden and sharp braking. Dry the brakes by braking several times ⇒ page 154, “Braking effect and braking distance”.** ■

Underbody protection

The vehicle underbody is coated to protect it from chemical and mechanical damage.

The protective coating can be damaged when driving. We recommend you to check the protective coating under the body and on the running gear, and reinstated if necessary, before and after the winter season.

We recommend you to go to your Authorised Service Centre to carry out repair work and additional anti-corrosion work.

WARNING

Do not apply underseal or anti-corrosion coatings to the exhaust pipes, catalytic converter or the heat shields on the exhaust system. The heat of the exhaust system or the engine could cause them to ignite! Fire hazard. ■

Cleaning the engine compartment

Take special care when cleaning the engine compartment.

Anti-corrosion treatment

The engine compartment and the surface of the power unit are given anti-corrosion treatment at the factory.

Good corrosion protection is particularly important in winter when the car is frequently driven on salted roads. To prevent the salt corroding the vehicle, the entire engine compartment should be thoroughly cleaned before and after winter.

Your Authorised Service Centre has got the necessary equipment to provide the correct cleaning and preserving products. For this reason, we recommend having this work performed by them.

The anti-corrosion protection is usually removed if the engine compartment is cleaned with grease removing solutions, or if you have the engine cleaned. On commissioning this work, ensure that all surfaces, seams, joints and components in the engine compartment are given anti-corrosion treatment.

WARNING

- **When working in the engine compartment, always observe the safety warnings ⇒ page 178.**
- **Before opening the bonnet, switch the engine off, apply the handbrake firmly and always remove the key from the ignition.**
- **Allow the engine to cool before you clean the engine compartment.**
- **Do not clean the vehicle underbody, wheel arches or wheel trims without protecting your hands and arms. You may cut yourself on sharp-edged metal parts. Failure to comply could result in injury.**
- **Moisture, ice and salt on the brakes may affect braking efficiency. Risk of accident. Directly after washing, avoid sudden and sharp braking.**
- **Never touch the radiator fan. It is temperature-controlled and could start automatically, even when the key is removed from the ignition!**

For the sake of the environment

Fuel, grease and oil deposits could be removed when the engine is washed. The polluted water must be cleaned in an oil separator. For this reason, engine washing should be carried out only by a qualified workshop or a petrol station. ■

Vehicle interior maintenance

Plastic parts and dash panel cleaning

– Use a clean, damp cloth to clean plastic parts and the dash panel.

– If this does not provide satisfactory results, use a special **solvent-free** plastic cleaning product.

WARNING

Never clean the dash panel and the airbag module surface with cleansers containing solvents. Solvents cause the surface to become porous. If the airbag triggered, disintegrating plastic parts could cause substantial injuries.

Caution

Cleaning products which contain solvents will damage the material. ■

Wooden trim cleaning*

– Clean the wooden trim with a water-moistened clean cloth.

– If this does not provide satisfactory results, use a *gentle* soap solution.

Caution

Cleaning products which contain solvents will damage the material. ■

Cloth seat covers and fabric trim cleaning

Cloth seat covers and fabric trim on the doors, headlining etc. can be cleaned with a special interior cleanser or with dry foam and a soft brush. ■

Cleaning the radio and climate controls

To clean the radio and/or climate controls, use a soft damp cloth. For more resistant dirt, a neutral soap solution may be used. ■

Leather cleaning*

Normal cleaning

– Moisten a cotton or woollen cloth with water and wipe over the leather surfaces.

Cleaning stubborn stains

– More stubborn dirt can be removed using a mild soap solution (pure liquid soap; two tablespoons diluted in one litre of water) and a cloth.

– Do not let the water soak through the leather or soak into the seams.

– Then wipe off with a soft, dry cloth.

Leather maintenance

– The leather should be treated twice a year with a special leather-care product, available in your Authorised Service Centre. ▶

– Apply these products very sparingly.

– Then wipe off with a soft, dry cloth.

SEAT does everything possible to preserve the genuine qualities of this natural product. Due to the natural properties of the specially selected hides employed, the finished leather has a certain sensitivity to grease and dirt, etc. so a degree of care is required in everyday use and when looking after the leather.

Dust and grit in the pores and seams can scratch and damage the surface. If the vehicle is under solar radiation for long periods, the leather should be protected to prevent it from fading. However, slight colour variations in high-quality natural leather are normal.

Caution

- Do not use solvents, wax polish, shoe cream, spot removers or similar products on leather.
- To avoid damage, stubborn stains should be removed by a qualified workshop. ■

Seat belts cleaning

A dirty belt may not work properly.

Check all seat belts regularly and keep them clean.

Seat belts cleaning

– Pull the dirty seat belt right out and unroll it.

– Clean dirty seat belts with a *gentle* soap solution.

– Allow it to dry.

– Do not roll the seat belt up until it is dry.

If large stains form on the belts, it will not retract correctly into the automatic belt retractor.

WARNING

- **Do not use chemical cleaning agents on the seat belts, as this can impair the strength of the webbing. Ensure that belts do not come into contact with corrosive fluids.**
- **Check all seat belts condition at regular intervals. If you notice that the belt webbing, fittings, retractor mechanism or buckle of any of the belts is damaged, the belt must be replaced by a specialist workshop.**
- **Do not attempt to repair a damaged seat belt yourself. The seat belts must not be removed or modified in any way.**

Caution

After cleaning, allow seat belts to dry completely before rolling them up. Otherwise, the belt retractors could become damaged. ■

Accessories, parts replacement and modifications

Accessories and spare parts

Always consult an Authorised Service Centre before purchasing accessories and parts.

Your vehicle is designed to offer a high standard of active and passive safety.

Before purchasing accessories and parts, and before making technical changes to your car, we recommend you to consult your Authorised Service Centre.

SEAT dealerships will be happy to provide you with the latest information about the use, legal requirements and recommendations from the manufacturer regarding accessories and parts.

We recommend you use only **SEAT Approved Accessories®** and **SEAT Approved Spare Parts®**. This way, SEAT can guarantee that the product in question is suitable, reliable and safe. SEAT Authorised Service Centres have the necessary experience and facilities to ensure that parts are correctly and professionally installed.

Despite a continuous observation of the market, SEAT is not able to assess the reliability, safety and suitability of those parts **SEAT has not approved**. For this reason, SEAT cannot assume responsibility for any non-genuine parts used, even if these parts have been approved by an official testing agency or are covered by an official approval certificate.

Any **equipment subsequently installed** which has a direct effect on the vehicle and/or the way it is driven (e.g. cruise control system or electronically-controlled suspension) must be approved by SEAT and bear the **e** mark (the European Union's authorisation symbol).

If any **additional electrical components** are fitted so that they do not serve to control the vehicle itself (for instance a refrigerator box, laptop or ventilator fan, etc.), then they must bear the **CE** mark (European Union manufacturer conformity declaration).

WARNING

Accessories, for example telephone holders or cup holders, should never be fitted on the covers, or within the working range, of the airbags. Otherwise, there is a danger of injury if the airbag is triggered in an accident. ■

Technical modifications

Modifications must always be carried out according to our specifications.

Unauthorised modifications to the electronic components or software in the vehicle may cause malfunctions. Due to the way the electronic components are linked together in networks, other indirect systems may be affected by the faults. This can seriously impair safety, lead to excessive wear of components, and also invalidate your vehicle registration documents.

SEAT Authorised Service Centres cannot be held liable for any damage caused by modifications and/or work incorrectly performed.

For this reason, we recommend that all work should be performed by an Authorised Service Centre using **Genuine SEAT® approved parts and accessories**. ▶

WARNING

Incorrectly performed modifications or other kind of work on your vehicle can lead to malfunctions and cause accidents. ■

Roof aerial*

The vehicle can be fitted with a collapsible roof aerial* with antitheft system*, which can be folded backwards, when, for example, going through an automatic carwash.

To fold

Unscrew the aerial rod, tilting it backwards into a horizontal position and then screw in again.

To return to working position

Continue in the reverse order to the previous instruction.

Caution

If an automatic car wash tunnel is used, before entering the tunnel, put the aerial down parallel to the roof and do not tighten to avoid damage. ■

Mobile telephones and two-way radios

You will require an external aerial for mobile phones and two-way radios.

SEAT has approved for your vehicle the use of mobile telephones and two-way radios providing under the following conditions:

- The correct installation of an external aerial,
- transmitting power of maximum 10 watts.

An only external aerial is needed to give the equipment its optimal reach.

First consult your Authorised Service Centre if you wish to use a mobile telephone or a two-way radio with a transmitting power output in excess of 10 watts. Here you will receive information concerning the technical possibilities for retrofitting this equipment.

Mobile telephones and two-way radios should be only fitted by a qualified workshop, for example an Authorised Service Centre.

WARNING

- **Always concentrate primarily on driving. If you are distracted while driving you could have an accident.**
- **Never attach the telephone mountings to the surfaces covering the airbag units or within the range of the airbags. There is a high danger of injury if the airbag is triggered.**
- **Using your mobile telephones or two-way radios in the vehicle without an external aerial, electromagnetic radiation in the vehicle could exceed authorised limits. This also may occur to external aerials that have not been correctly installed.**

Caution

Failure to consider the above-mentioned conditions could cause the electronics to malfunction. The most common causes of faults are:

- no external aerial,
- external aerial incorrectly installed,
- transmitting power output in excess of 10 watts.

Note

Please observe the operating instructions of your mobile telephone / two-way radio. ■

Fitting a towing bracket*

It is possible to fit a towing bracket to the rear of the vehicle.

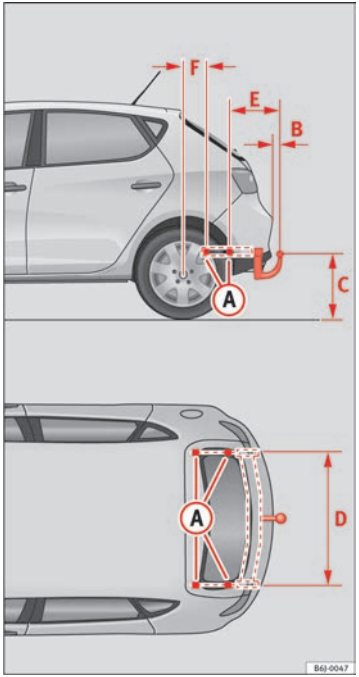

Fig. 110 Attachment points for towing bracket

If a towing bracket is to be fitted after the vehicle is purchased, this must be completed according to the instructions of the towing bracket manufacturer.

The attachment points for the towing bracket (A) are on the lower part of the vehicle.

The distance between the centre of the ball coupling and the ground should never be lower than the indicated value, even with a fully loaded vehicle and including the maximum drawbar load.

Elevation values for securing the towing bracket:

(B) 65 mm (minimum)
(C) from 350 mm to 420 mm (fully loaded vehicle)
(D) 959 mm
(E) 438 mm
(F) 209 mm

Fitting a towing bracket

- Driving with a trailer involves an extra effort for the vehicle. Therefore, before fitting a towing bracket, please contact an Authorised Service Centre to check whether your cooling system needs modification.
- The legal requirements in your country must be observed (e.g. the fitting of a separate warning lamp).
- Certain vehicle components, e.g. the rear bumper, must be removed and reinstalled. The towing bracket securing bolts must be tightened using a torque wrench, and an electrical socket must be connected to the vehicle's electrical system. The above-mentioned require specialised knowledge and tools.
- Figures in the illustration show the elevation value and the attachment points which must be considered if you are retrofitting a towing bracket.

WARNING

Towing brackets should be fitted by specialists.

WARNING (continued)

- **If the towing bracket is incorrectly installed, there is serious danger of accident.**
- **For your own safety, please observe the instructions provided by the manufacturer of the towing bracket.**

Caution

- If the electrical socket is incorrectly installed, this could cause damage to the vehicle's electrical system.

Note

Due to the specific design of the exhaust, the fitting of a conventional towing bracket is not recommended for some sports versions. Please consult your Dealer. ■

Checking and refilling levels

Refuelling

The tank flap is released manually. The tank holds approximately 45 litres.

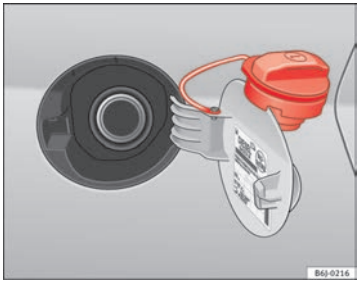

Fig. 111 Tank flap open

Unscrewing the tank cap

– Lift the lid.

– Hold the cap firmly with one hand, then insert the key into the lock and rotate 180° to the left.

– Unscrew the cap, turning it anti-clockwise.

Closing the tank cap

– Screw the tank cap to the right, until the point of feeling a “click”.

– Turn the key in the lock, without releasing the cap, clockwise through 180°.

– Remove the key and close the flap until it clicks into place. The tank cap is secured with an anti-loss attachment

The tank flap is at the rear of the vehicle on the right.

If the automatic filler nozzle is operated correctly, it will switch itself off as soon as the tank is “full”. Never attempt to fill beyond this point, as this will fill the expansion chamber. Fuel may leak out if ambient conditions are warm.

The correct fuel grade for your vehicle is given on a sticker on the inside of the fuel tank flap.

WARNING

- **Fuel is highly inflammable and can cause serious burns and other injuries.**
  - **Never smoke or use any naked flame when filling the fuel tank of the vehicle, or a spare fuel canister, with fuel. This is an explosion hazard.**
  - **Follow legal requirements for the use of spare fuel canisters.**
  - **For safety reasons we do not recommend carrying a spare fuel canister in the vehicle. The canister could be damaged in an accident and leak.**
- **If, in exceptional circumstances, you have to carry a spare fuel canister, please observe the following points:**
  - **Never fill the spare fuel canister inside the vehicle or on it. An electrostatic charge could build up during filling, causing the fuel fumes to ignite. This may be fatally explosive. Always place the canister on the ground to fill it.**

WARNING (continued)

– **Insert the fuel nozzle into the mouth of the canister as far as possible.**

– **If the spare fuel canister is made of metal, the filling nozzle must be in contact with the canister during filling. This helps prevent an electrostatic charge building up.**

– **Never spill fuel in the vehicle or in the luggage compartment. Fuel vapours are explosive. Danger of death.**

Caution

- Fuel spills should be removed from the paintwork immediately.
- Never run the tank completely dry. An irregular fuel supply could cause misfiring. As a result, unburnt fuel could enter the catalytic converter and cause damage.
- When filling the fuel tank after having run it completely dry on a vehicle with a **diesel engine** the ignition must be switched on for at least 30 seconds without starting the engine. When you then start the engine it may take longer than normal (up to one minute) for the engine to start firing. This is due to the fact that the fuel system has to purge itself of air before starting.

For the sake of the environment

Do not try to put in more fuel after the automatic filler nozzle has switched off; this may cause the fuel to overflow if it becomes warm. ■

Petrol

Petrol types

The correct petrol types are listed on a sticker inside the fuel tank flap.

Only **unleaded petrol, corresponding to standard DIN EN 228**, may be used for vehicles with catalytic converters (EN = “European Standard”).

Fuel types are differentiated by the **octane rating**, e.g: 91, 95, 98 RON (RON = “Research Octane Number, unit for determining the knock resistance of petrol”). You may use petrol with a higher octane number than the one recommended for your engine. However, this has no advantage in terms of fuel consumption and engine power.

Caution

- Even one tankful of leaded fuel would permanently impair the efficiency of the catalytic converter.
- High engine speed and full throttle can damage the engine when using petrol with an octane rating lower than the correct grade for the engine.

For the sake of the environment

Just one full tank of leaded fuel would seriously impair the efficiency of the catalytic converter. ■

Petrol additives

Petrol additives improve the quality of the petrol.

The quality of the petrol influences running behaviour, performance and service life of the engine. For this reason, you should use good quality petrol containing additives. These additives will help to prevent corrosion, keep the fuel system clean and prevent deposits from building up in the engine.

If good quality petrol with additives is not available or engine problems occur, the required additives must be added during refuelling. ■

Diesel

Diesel*

Diesel fuel must correspond to DIN EN 590 (EN = "European standard"). It must have a cetane number (CN) of at least 51. The cetane number indicates the ignition quality of the diesel fuel.

Notes on refuelling ⇒ page 175. ■

Biodiesel*

Caution

- Your vehicle is **not** designed to use biodiesel fuel. **Never, under any circumstances** refuel with biodiesel. The use of biodiesel fuel could damage the engine and the fuel system. The addition of biodiesel to diesel fuel by the diesel manufacturer in accordance with standard EN 590 or DIN 51628 is authorised and will not cause damage to the engine or the fuel system.
- The diesel engine has been designed to be used exclusively with diesel fuel in accordance with standard EN 590. **Never** refuel or use petrol, kerosene, fuel oil or any other type of fuel. If you accidentally fill up the vehicle with the wrong type of fuel, do not start the engine. Seek assistance from specialised personnel. The composition of these fuels may severely damage the fuel system and the engine. ■

Winter driving

Diesel can thicken in winter.

Winter-grade diesel

When using "summer-grade diesel fuel", difficulties may be experienced at sub-zero temperatures because the fuel thickens due to wax separation. Therefore, "winter-grade diesel fuel" is available in some countries during the cold months. It can be used at temperatures as low as -22°C.

In countries with different climatic conditions the diesel fuel generally sold has different temperature characteristics. Check with an Authorised Service Centre or filling stations in the country concerned regarding the type of diesel fuels available.

Filter pre-heater

Your vehicle is fitted with a fuel filter glow plug system, making it well equipped for operation in winter. This ensures that the fuel system remains operational to approx. -24°C, provided you use winter-grade diesel which is safe to -15°C.

However, if the fuel has waxed to such an extent that the engine will not start at temperatures of under -24°C, simply place the vehicle in a warm place for a while.

Caution

Do not mix fuel additives ("thinners", or similar additives) with diesel fuel. ■

Working in the engine compartment

Safety instructions on working in the engine compartment

Any work carried out in the engine compartment or on the engine must be carried out cautiously.

Before starting any work on the engine or in the engine compartment:

1. Switch off the engine and remove the key from the ignition.
2. Apply the handbrake.
3. Move the gear lever to neutral or the gear lever to position P.
4. Wait for the engine to cool down.
5. Keep children away from the vehicle.
6. Raise the bonnet ⇒ page 180.

You should not do any work in the engine compartment unless you know exactly how to carry out the jobs and have the correct tools! Have the work carried out by a qualified workshop if you are uncertain.

All service fluids and consumables, e.g. coolant, engine oil, spark plugs and batteries, are being constantly developed. SEAT provides a constant flow of information to the Authorised Service Centres concerning modifications. For this reason, we recommend you to have service fluids and consumables replaced by an Authorised Service Centre. Please observe the relevant instructions ⇒ page 170. The engine compartment of the vehicle is a hazardous area ⇒ ⚠.

⚠ WARNING

All work on the engine or in the engine compartment, e.g. checking and refilling fluids, involves the danger of injury and scalding as well as the risk of accident or fire.

- **Never open the bonnet if you see steam, smoke or coolant escaping from the engine compartment. Otherwise, there is a risk of sustaining burns. Wait until no more steam or coolant is emitted, then allow the engine to cool before carefully opening the bonnet.**
- **Switch off the engine and remove the key from the ignition.**
- **Apply the handbrake and move the gear lever to neutral or gear lever to position P.**
- **Keep children away from the vehicle.**
- **Never touch hot engine parts. There is a risk of burns.**
- **Never spill liquids on a hot engine or on a hot exhaust gas system. This is a fire hazard.**
- **Avoid causing short-circuits in the electrical system, particularly at the points where the jump leads are attached ⇒ page 220. The battery could explode.**
- **Never touch the radiator fan. It is temperature controlled and could start automatically, even when the engine has been switched off and the key removed from the ignition!**
- **Do not unscrew the cap on the expansion tank when the engine is hot. If the coolant is hot, the cooling system will be pressurised!**
- **Protect face, hands and arms by covering the cap with a large, thick cloth to protect against escaping coolant and steam.**
- **Always make sure you have not left any objects, such as cleaning cloths and tools, in the engine compartment.**
- **If you have to work underneath the vehicle, you must use suitable stands additionally to support the vehicle, there is a risk of accident!. A hydraulic jack is insufficient for securing the vehicle and there is a risk of injury.**

WARNING (continued)

- **If any work has to be performed when the engine is started or with the engine running, there is an additional, potentially fatal, safety risk from the rotating parts, such as the drive belts, alternator, radiator fan, etc., and from the high-voltage ignition system. You should also observe the following points:**
  - **Never touch the electrical wiring of the ignition system.**
  - **Ensure that jewellery, loose clothing and long hair do not get trapped in rotating engine parts. Danger of death. Before starting any work remove jewellery, tie back and cover hair, and wear tight-fitting clothes.**
  - **Always think carefully about pressing the accelerator if a gear is engaged in either an automatic or manual gearbox. The vehicle could move, even if the handbrake is applied. Danger of death.**
- **If work has to be carried out on the fuel system or on electrical components, you must observe the following safety notes in addition to the above warnings:**
  - **Always disconnect the battery. The vehicle must be unlocked when this is done, otherwise the alarm will be triggered.**
  - **Do not smoke.**
  - **Never work near naked flames.**
  - **Always have a fire extinguisher on hand.**

Caution

When changing or topping up service fluids, make absolutely certain that you fill the fluids into the correct reservoirs. Failure to observe this point will result in serious malfunctions and engine damage!

For the sake of the environment

Service fluids leaks are harmful to the environment. For this reason you should make regular checks on the ground underneath your vehicle. If you find spots of oil or other fluids, have your vehicle inspected in a qualified workshop. ■

Opening the bonnet

The bonnet is released from inside the vehicle.

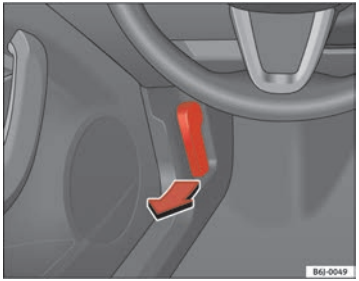

Fig. 112 Bonnet opening lever

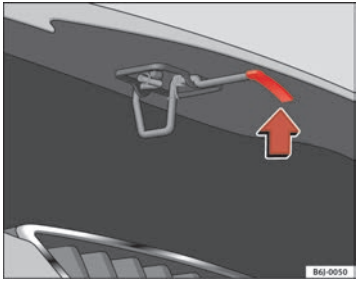

Fig. 113 Bonnet support rod

Before opening the bonnet ensure that the windscreen wipers are in rest position.

– To release the bonnet, pull the lever under the dash panel ⇒ fig. 112 in the direction indicated (arrow). The bonnet will be released by a spring action ⇒ ⚠.

– Lift the bonnet using the release lever (arrow) and open the bonnet.

– Release the bonnet stay and secure it in fixture designed for this in the bonnet.

⚠ WARNING

Hot coolant can scald!

- **Never open the bonnet if you see steam, smoke or coolant escaping from the engine compartment.**
- **Wait until no more steam, smoke or coolant is emitted from the bonnet, then carefully open the bonnet.**
- **When working in the engine compartment, always observe the safety warnings ⇒ page 178.** ■

Closing the bonnet

– Slightly raise the bonnet

– Release the bonnet stay and replace it in its support.

– At a height of about 30 cm let it fall so it is locked. ▶

If the bonnet does not close, do not press downwards. Open it once more and let it fall as before.

WARNING

If the bonnet is not closed properly, it could open while you are driving and completely obscure your view of the road. Risk of accident.

- **After closing the bonnet, always check that it is properly secured. The bonnet must be flush with the surrounding body panels.**
- **If you notice that the bonnet latch is not secured when the vehicle is moving, stop the vehicle immediately and close the bonnet properly. Risk of accident.** ■

Engine oil

Engine oil specifications

The engine oil used must conform with exact specifications.

Specifications

The engine comes with a special, high quality, multi grade oil that can be used in all seasons of the year except for those regions affected by extreme cold.

As the use of good quality oil is necessary for the correct operation and long service life of the engine, when it becomes necessary to replenish or change the oil, always use an oil that complies to the VW standards.

If it is not possible to find oil conforming to the VW standards then oil conforming to the ACEA or API standards with an appropriate viscosity at atmospheric temperature should be used instead. The use of this type of oil may have some repercussions on the performance of the engine for example, long starting time, increased consumption and a higher emission level.

If a top up is required then different oils may be mixed as long as they all conform to the VW standards.

The specifications (VW standards) set out in the following page should appear on the container of the service oil; the container will display together the different standards for petrol and diesel engines, the oil can be used for both types of engines. ■

Oil properties

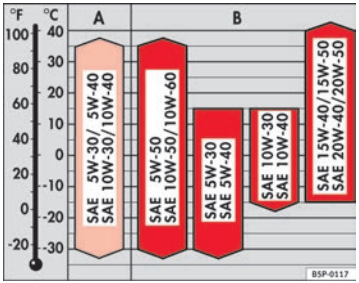

Fig. 114 Types of oil according to temperature

Viscosity

The viscosity class of the oil is selected according to the diagram.

When the ambient temperature falls outside the limits of the scale for a short period, an oil change is not required. ▶

Engine type	Specification
Petrol	VW 501 01/ VW 502 00/ VW 504 00
Diesel. Engines without Particulate filter (DPF)	VW 505 01/ VW 507 00/ VW 506 01
Diesel. Engines with Particulate filter (DPF)[a)]	VW 507 00

a) Only use recommended oils, otherwise you may damage the engine.

Mono-grade oil

Single grade oils are generally not suitable for all year round use, due to ranges of viscosity[12)].

These oils are only useful in a climate that is constantly very cold or very warm.

Engine oil additives

No type of additive should be mixed with the engine oil. The deterioration caused by these additives is not covered by the warranty.

Note

Before a long trip, we recommend finding an engine oil that conforms to the corresponding VW specifications and keeping it in the vehicle. This way, the correct engine oil will always be available for a top-up if needed. ■

12) Viscosity: oil density

Checking the engine oil level

The engine oil dipstick indicates the level of the oil.

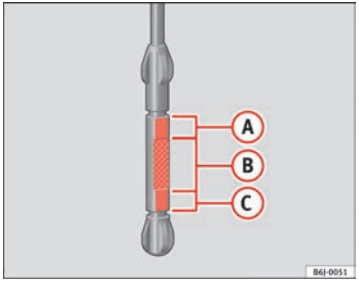

Fig. 115 Engine oil dipstick

Checking oil level

- Park the vehicle in a horizontal position.
- Briefly run the engine at idle speed until the service temperature is reached then stop.
- Wait two minutes.
- Pull out the dipstick. Wipe the dipstick with a clean cloth and insert it again, pushing it in as far as it will go.
- Then pull it out once more and check the oil level ⇒ fig. 115. Top up with engine oil if necessary.

Oil level in area (A)

- Do not add oil.

▶

Oil level in area (B)

– Oil **can** be topped up. The indicated oil level should be **after** the zone (A)

Oil level in area (C)

– Oil **must** be topped up. The indicated oil level should be **after** in zone (A)

Depending on how you drive and the conditions in which the car is used, oil consumption can be up to 0.5 l/1,000 km. Oil consumption is likely to be higher for the first 5,000 km. For this reason the engine oil level must be checked at regular intervals, preferably when filling the tank and before a journey.

WARNING

Any work carried out in the engine compartment or on the engine must be carried out cautiously.

- **When working in the engine compartment, always observe the safety warnings ⇒ page 178.**

Caution

If the oil level is above the area (A) do not start the engine. This could result in damage to the engine and catalytic converter. Contact an Authorised Service Centre. ■

Topping up engine oil

Top up gradually with small quantities of oil.

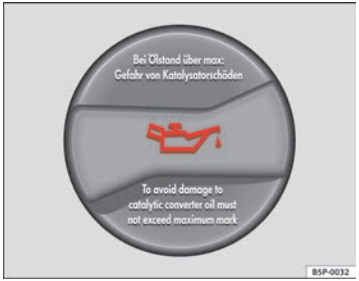

Fig. 116 In the engine compartment: Engine oil filler cap

Before opening the bonnet, read and observe the warnings ⇒ ⚠ in "Safety instructions on working in the engine compartment" on page 178.

– Unscrew cap from oil filler opening ⇒ fig. 116.

– Top-up oil in small amounts, using the correct oil.

– To avoid over-filling with engine oil, you should top-up using small quantities, wait a while and check the oil level before adding any more oil.

– As soon as the oil level is in area (B), carefully close the cap.

The position of the oil filler opening is shown in the corresponding engine compartment illustration ⇒ page 230.

Engine oil specification ⇒ page 181.

WARNING

Oil is highly inflammable! Ensure that no oil comes into contact with hot engine components when topping up.

Caution

If the oil level is above the area (A) do not start the engine. This could result in damage to the engine and catalytic converter. Contact a qualified workshop.

For the sake of the environment

The oil level must never be above area (A). Otherwise oil can be drawn in through the crankcase breather and escape into the atmosphere via the exhaust system. ■

Changing engine oil

The engine oil must be changed at the intervals given in the service schedule.

We recommend that you have the engine oil changed by an Authorised Service Centre.

The oil change intervals are shown in the Maintenance Programme.

WARNING

Only change the oil yourself if you have the specialist knowledge required!

WARNING (continued)

- **Before opening the bonnet, read and observe the warnings ⇒ page 178, "Safety instructions on working in the engine compartment".**
- **Wait for the engine to cool down. Hot oil may cause burn injuries.**
- **Wear eye protection to avoid injuries caused by splashes of oil.**
- **When removing the oil drain plug with your fingers, keep your arm horizontal to help prevent oil from running down your arm.**
- **Wash your skin thoroughly if it comes into contact with engine oil.**
- **Engine oil is poisonous! Used oil must be stored in a safe place out of the reach of children until it is disposed of.**

Caution

No additives should be used with engine oil. This could result in engine damage. Any damage caused by the use of such additives would not be covered by the factory warranty.

For the sake of the environment

- Because of the disposal problems, the necessary special tools and specialist knowledge required, we recommend that you have the engine oil and filter changed by an Authorised Service Centre.
- Never pour oil down drains or into the ground.
- Use a suitable container when draining the used oil. It must be large enough to hold all the engine oil. ■

Coolant

Coolant specifications

Coolant is a mixture of water and at least 40% coolant additive.

The cooling system must be filled with a mixture of water and at least 40 % of our coolant additive G 12++ or an additive with the specification TT-VW 774 G (known for its purple colour). This mixture provides the necessary frost protection down to -25°C and protects the alloy parts of the cooling system against corrosion. It also prevents scaling and raises the boiling point of the coolant.

The concentration of coolant must *always* be at least 40% - even if frost protection is not required.

If greater frost protection is required in very cold climates, the proportion of the antifreeze additive G 12++ can be increased. However, the percentage of coolant additives should not exceed 60%, as this would reduce the frost protection. It would also reduce the cooling effect. A mixture with 60% antifreeze additive will give frost protection to approx. -40°C.

WARNING

- **The coolant additive is toxic. There is a toxic risk. Always keep the coolant additive in the original container which should be stored out of the reach of children. The same applies to coolant which you have drained off.**
- **The coolant additive G 12++ must be added in sufficient quantities to provide anti-freeze protection at the coldest ambient temperatures that can be expected. At extremely cold outside temperatures, the coolant could freeze, causing the vehicle to breakdown. As the heater would also not work in this situation, there is a risk of suffering exposure!**

Caution

- Other additives may give considerably inferior corrosion protection. The resulting corrosion in the cooling system can lead to a loss of coolant, causing serious damage to the engine.
- If additive G12++ is not available, this can be mixed with G12+, bearing in mind that the protection against corrosion will be reduced. ■

Checking the coolant level and topping up

The correct coolant level is important for fault-free functioning of the engine cooling system.

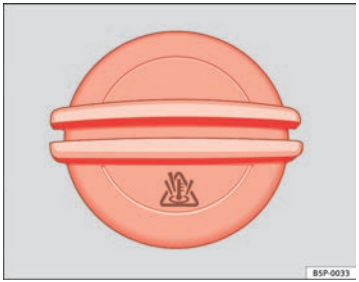

Fig. 117 In the engine compartment: Coolant expansion tank cap

Before opening the bonnet, read and observe the warnings ⇒ ⚠ in “Safety instructions on working in the engine compartment” on page 178.

Opening the coolant expansion tank

– Switch off the engine and allow it to cool.

– To prevent scalding, cover the cap on the expansion tank with a thick cloth and carefully unscrew the cap ⇒ ⚠.

Checking coolant level

– Look into the open coolant expansion tank and read off the coolant level.

– If the level is below the “MIN” mark, top up with coolant.

Topping up coolant

– Only use **new** coolant liquid.

– Do not fill above the “MAX” mark.

Closing the coolant expansion tank

– Screw the cap on again *tightly*.

The position of the coolant expansion reservoir is shown in the corresponding engine compartment illustration ⇒ page 230.

Ensure the coolant conforms to the required specifications. Do not use a different type of additive if coolant additive G 12++ is not available. In this case use only water and bring the coolant concentration back up to the correct level as soon as possible by putting in the specified additive.

Always top up with *new* coolant.

Do not fill above the “MAX” mark. Otherwise the excess coolant will be forced out of the cooling system when the engine is hot.

The additive G 12++ can be mixed with the G 12+ in any proportion.

⚠ WARNING

Any work carried out in the engine compartment or on the engine must be carried out cautiously.

- **When working in the engine compartment, always observe the safety warnings ⇒ page 178.**
- **When the engine is warm or hot, the cooling system is pressurised! Do not unscrew the cap on the expansion tank when the engine is hot. This is a burn injury risk.**

(!) Caution

- If you notice a change in the colour of the liquid because it has been in use for a long time, it is recommended to change it, as it will have lost some of its properties and could cause damage to the vehicle.
- If a lot of liquid coolant has been lost, wait for the engine to *cool down* before putting in cold coolant. This avoids damaging the engine. Large coolant losses are an indication of leaks in the cooling system. See a specialised workshop immediately and have the cooling system checked. Otherwise, there is a risk of engine damage. ■

Washer fluid and windscreen wiper blades

Topping up washer fluid

The water for cleaning the windscreen should always be mixed with washer fluid.

Fig. 118 In the engine compartment: Cap of windscreen washer fluid reservoir.

The **windscreen washer** and the **headlight washers** are supplied with fluid from the windscreen washer fluid container in the engine compartment. The container holds approx. 2 litres; in vehicles with headlight washers* it holds approx. 4.5 litres.

The reservoir is located on the right-hand side of the engine compartment.

Plain water is not enough to clean the windscreen and headlights. We recommend that you always add a product to the windscreen washer fluid. Approved windscreen cleaning products exist on the market with high detergent and anti-freeze properties, these may be added all-year-round. Please follow the dilution instructions on the packaging.

WARNING

Any work carried out in the engine compartment or on the engine must be carried out cautiously.

- **When working in the engine compartment, always observe the safety warnings ⇒ page 178.**

Caution

- Never put radiator anti-freeze or other additives into the windscreen washer fluid.
- Always use approved windscreen cleansing products diluted as per instructions. If you use other washer fluids or soap solutions, the tiny holes in the fan-shaped nozzles could become blocked. ■

Changing windscreen wiper blades

If the windscreen wiper blades are in perfect condition, you will benefit from an improved visibility. Damaged wiper blades should be replaced immediately.

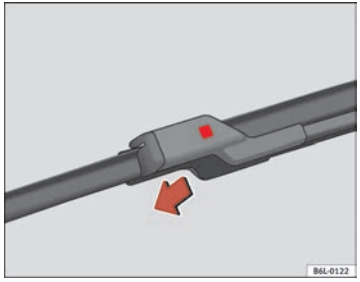

Fig. 119 Change windscreen wiper blade

To change the blades it is necessary to change the rest position of the wipers to the service position.

Service position (For changing wiper blades)

– Ensure that the wiper blades are not frozen.

– Turn ignition on and off and then (before approx. 9 sec.) move the windscreen wiper lever to the intermittent wipe position. The windscreen wipers will move to the service position.

Removing the wiper blade

– Lift the windscreen wiper arm.

– Press on the securing tab.

– Extract the wiper blade from the wiper arm.

Fitting the wiper blade

– Insert the wiper blade onto the windscreen wiper arm until it clicks into place.

– Make sure that the blade faces down when fitting a blade with integrated deflector blade.

– Place the wiper arms to their initial position.

If the **windscreen wipers smear**, they should be replaced if they are damaged, or cleaned if they are soiled.

If this does not produce the desired results, the setting angle of the windscreen wiper arms might be incorrect. They should be checked by a qualified workshop and corrected if necessary.

WARNING

Do not drive unless you have good visibility through all windows!

- **Clean the windscreen wiper blades and all windows regularly.**
- **The wiper blades should be changed once or twice a year.**

Caution

- Damaged or dirty windscreen wipers could scratch the windscreen.
- Never use fuel, nail varnish remover, paint thinner or similar products to clean the windows. This could damage the windscreen wiper blades.
- Never move the windscreen wiper or windscreen wiper arm manually. This could cause damage.

Note

- The wiper arms can be moved to the service position only when the bonnet is properly closed. ■

Changing the rear wiper blade

A good rear wiper blade is essential for clear rear vision. Damaged wiper blades should be replaced immediately.

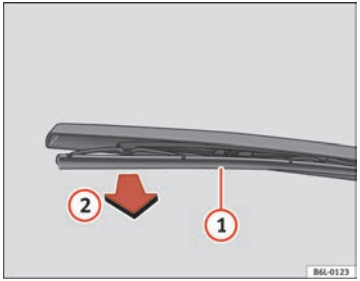

Fig. 120 Changing the rear window wiper blade

Removing the wiper blade

– Lift the rear wiper arm.

– Release the blade by pulling it in the direction of the arrow (2).

Fitting the wiper blade

– Insert the wiper blade onto the windscreen wiper arm until it clicks into place.

Check the condition of the wiper blade regularly. Change as required.

If the **windscreen wiper scrapes**, it should be replaced if damaged, or cleaned if soiled.

If this is not sufficient, refer to a qualified workshop.

WARNING

Do not drive unless you have good visibility through all windows!

- **Clean the windscreen wiper blades and all windows regularly.**
- **The wiper blades should be changed once or twice a year.**

Caution

- A damaged or dirty window wiper could scratch the rear window.
- Never use fuel, nail varnish remover, paint thinner or similar products to clean the window.
- Never move the windscreen wiper by hand. This could cause damage. ■

Brake fluid

Checking the brake fluid level

The brake fluid is checked at the intervals given in the service schedule.

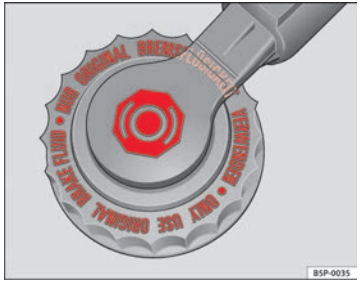

Fig. 121 In the engine compartment: Brake fluid reservoir cover

– Read off the fluid level at the transparent brake fluid reservoir. It should always be between the “MIN” and “MAX” marks.

The position of the brake fluid reservoir is shown in the corresponding engine compartment illustration ⇒ page 230. The brake fluid reservoir has a black and yellow cap.

The brake fluid level drops slightly when the vehicle is being used as the brake pads are automatically adjusted as they wear.

However, if the level goes down noticeably in a short time, or drops below the “MIN” mark, there may be a leak in the brake system. A display on the instrument panel will warn you if the brake fluid level is too low ⇒ page 56.

WARNING

Before opening the bonnet to check the brake fluid level, read and observe the warnings ⇒ page 178. ■

Changing the brake fluid

The Maintenance Programme indicates the brake fluid change intervals.

We recommend that you have the brake fluid changed by an Authorised Service Centre.

Before opening the bonnet, please read and follow the warnings ⇒ ⚠ in “Safety instructions on working in the engine compartment” on page 178 in section “Safety notes for working in the engine compartment”.

Brake fluid absorbs moisture. In the course of time, it will absorb water from the ambient air. If the water content in the brake fluid is too high, the brake system could corrode. This also considerably reduces the boiling point of the brake fluid. Heavy use of the brakes may then cause a vapour lock which could impair the braking effect.

It is important that you use only brake fluid compliant with US standard FMVSS 116 DOT 4. We recommend the use of Genuine SEAT brake fluid.

WARNING

Brake fluid is poisonous. Old brake fluid impairs the braking effect. ▶

WARNING (continued)

- **Before opening the bonnet to check the brake fluid level, read and observe the warnings ⇒ page 178.**
- **Brake fluid should be stored in the closed original container in a safe place out of reach of children. There is a toxic risk.**
- **Complete the brake fluid change according to the Maintenance Programme. Heavy use of the brakes may cause a vapour lock if the brake fluid is left in the system for too long. This would seriously affect the efficiency of the brakes and the safety of the vehicle. This may cause an accident.**

Caution

Brake fluid could damage the paintwork. Wipe off any brake fluid from the paintwork immediately.

For the sake of the environment

Brake fluid must be drained and disposed of in the proper manner observing environmental regulations. ■

Vehicle battery

Warnings on handling the battery

	Wear eye protection
	Battery acid is very corrosive and caustic. Wear protective gloves and eye protection!
	Fires, sparks, naked lights and smoking are prohibited!
	A highly explosive mixture of gases is released when the battery is under charge.
	Keep children away from acid and batteries!

WARNING

Always be aware of the danger of injury and chemical burns as well as the risk of accident or fire when working on the battery and the electrical system:

- **Wear eye protection. Protect your eyes, skin and clothing from acid and particles containing lead.**
- **Battery acid is very corrosive and caustic. Wear protective gloves and eye protection. Do not tilt the batteries. This could spill acid through the vents. Rinse battery acid from eyes immediately for several minutes with clear water. Then seek medical care immediately. Neutralise any acid splashes on the skin or clothing with a soapy solution, and rinse off with plenty of water. If acid is swallowed by mistake, consult a doctor immediately.**
- **Fires, sparks, naked lights and smoking are prohibited. When handling cables and electrical equipment, avoid causing sparks and electrostatic**

WARNING (continued)

charge. Never short the battery terminals. High-energy sparks can cause injury.

- **A highly explosive mixture of gases is released when the battery is under charge. The batteries should be charged in a well-ventilated room only.**
- **Keep children away from acid and batteries.**
- **Before working on the electrical system, you must switch off the engine, the ignition and all consumers. The negative cable on the battery must be disconnected. When a light bulb is changed, you need only switch off the light.**
- **Deactivate the anti-theft alarm by unlocking the vehicle before you disconnect the battery! The alarm will otherwise be triggered.**
- **When disconnecting the battery from the vehicle electrical system, disconnect first the negative cable and then the positive cable.**
- **Switch off all electrical consumers before reconnecting the battery. Reconnect first the positive cable and then the negative cable. Never reverse the polarity of the connections. This could cause an electrical fire.**
- **Never charge a frozen battery, or one which has thawed. This could result in explosions and chemical burns. Always replace a battery which has frozen. A flat battery can freeze at temperatures around 0°C.**
- **Ensure that the vent hose is always connected to the battery.**
- **Never use a defective battery. This may be fatally explosive. Replace a damaged battery immediately.**

Caution

- Never disconnect the battery if the ignition is switched on or if the engine is running. This could damage the electrical system or electronic components.
- Do not expose the battery to direct sunlight over a long period of time, as the intense ultraviolet radiation can damage the battery housing.
- If the vehicle is left standing in cold conditions for a long period, protect the battery from frost. If it “freezes” it will be damaged. ■

Checking the electrolyte level

The electrolyte level should be checked regularly in high-mileage vehicles, in hot countries and in older batteries.

– Open the engine bonnet and the battery cover ⇒ ⚠ in “Safety instructions on working in the engine compartment” on page 178 ⇒ ⚠ in “Warnings on handling the battery” on page 191. For vehicles with the battery under the spare wheel, open the tailgate and lift the floor covering. The battery is located next to the spare wheel.

– Check the colour display in the "magic eye" on the top of the battery.

– If there are air bubbles in the window, tap the window gently until they disperse.

The position of the battery is shown in the corresponding engine compartment diagram ⇒ page 230. The location of the battery in the luggage compartment can be seen in ⇒ page 230, fig. 155.

The “magic eye” indicator, located on the top of the battery changes colour, depending on the charge state and electrolyte level of the battery.

There are two different colours:

- Black: correct charge status.
- Transparent/clear yellow: the battery must be replaced. Contact a specialist workshop. ■

Charging and changing the vehicle battery

The battery is maintenance-free and is checked during the inspection service. All work on the vehicle battery requires specialist knowledge.

If you often drive short distances or if the vehicle is not driven for long periods, the battery should be checked by a qualified workshop between the scheduled services.

If the battery has discharged and you have problems starting the vehicle, the battery might be damaged. If this happens, we recommend you have the vehicle battery checked by an Authorised Service Centre where it will be recharged or replaced.

Charging the battery

The vehicle battery should be charged by a qualified workshop only, as batteries using special technology have been installed and they must be charged in a controlled environment.

Replacing a vehicle battery

The battery has been developed to suit the conditions of its location and has special safety features.

Genuine SEAT batteries fulfil the maintenance, performance and safety specifications of your vehicle.

WARNING

- **We recommend you use only maintenance-free or cycle free leak-proof batteries which comply with standards T 825 06 and VW 7 50 73. This standard applies as of 2001.**
- **Before starting any work on the batteries, you must read and observe the warnings ⇒ ⚠ in "Warnings on handling the battery" on page 191.**

For the sake of the environment

Batteries contain toxic substances such as sulphuric acid and lead. They must be disposed of appropriately and must not be disposed of with ordinary household waste. ■

Wheels

General notes

Avoiding damage

- If you have to drive over a kerb or similar obstacle, drive very slowly and as near as possible at a right angle to the kerb.
- Keep grease, oil and fuel off the tyres.
- Inspect the tyres regularly for damage (cuts, cracks or blisters, etc.). Remove any foreign objects embedded in the treads.

Storing tyres

- Mark tyres when you remove them to indicate the direction of rotation. This ensures you will be able to install them correctly when you replace them.
- When removed, the wheels and/or tyres should be stored in a cool, dry and preferably dark location.
- Store tyres in a vertical position if they are not fitted on wheel rims.

New tyres

New tyres must be run in ⇒ page 154.

The tread depth of new tyres may vary, according to the type and make of tyre and the tread pattern.

Concealed damage

Damage to tyres and rims is often not readily visible. If you notice unusual vibrations or the car pulling to one side, this may indicate that one of the tyres is damaged. The tyres should be checked immediately by an Authorised Service Centre.

Tyres with directional tread pattern

An arrow on the tyre sidewall indicates the direction of rotation on tyres with directional tread. Always observe the direction of rotation indicated when fitting the wheel. This guarantees optimum grip and helps to avoid aquaplaning, excessive noise and wear.

WARNING

- **New tyres do not have maximum grip in the first 500 km. Drive particularly carefully to avoid risk of accident.**
- **Never drive with damaged tyres. This may cause an accident.**
- **If you notice unusual vibration or if the vehicle pulls to one side when driving, stop the vehicle immediately and check the tyres for damage.** ■

Checking tyre pressure

The correct tyre pressure can be seen on the sticker on the inside of the tank flap.

1. Read the required tyre inflation pressure from the sticker. The values refer to Summer tyres.
2. The tyre pressures should only be checked when the tyres are cold. The slightly raised pressures of warm tyres must not be reduced.
3. Adjust the tyre pressure to the load you are carrying.

Tyre pressure

The correct tyre pressure is especially important at high speeds. The pressure should therefore be checked at least once a month and before starting a journey.

WARNING

A tyre can easily burst if the pressure is too low, causing an accident!

- **At continuously high speeds, a tyre with insufficient pressure flexes more. In this way it becomes too hot, and this can cause tread separation and tyre blow-out. Always observe the recommended tyre pressures.**
- **If the tyre pressure is too low or too high, the tyres will wear prematurely and the vehicle will not handle well. Risk of accident!**

For the sake of the environment

Under-inflated tyres will increase fuel consumption. ■

Tyre service life

The service life of tyres is dependent on tyre pressure, driving style and fitting.

Fig. 122 Tyre tread wear indicators

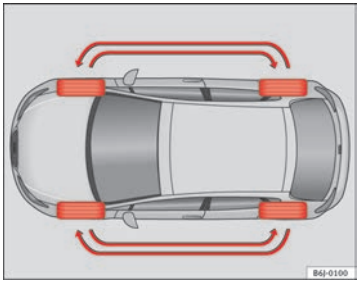

Fig. 123 Diagram for changing wheels

Wear indicators

The original tyres on your vehicle have 1.6 mm high “tread wear indicators” ⇒ fig. 122, running across the tread. Depending on the make, there will be six to eight of them evenly spaced around the tyre. Markings on the tyre sidewall (for instance the letters “TWI” or other symbols) indicate the positions of the tread wear indicators. The minimum tread depth required by law is 1.6 mm (measured in the tread grooves next to the tread wear indicators). Worn tyres must be replaced. Different figures may apply in export countries ⇒ ⚠.

Tyre pressure

Incorrect tyre pressure causes premature wear and could cause tyre blow-out. For this reason, the tyre pressure should be checked at least once per month ⇒ page 194.

Driving style

Fast cornering, heavy acceleration and hard braking all increase tyre wear.

Changing wheels around

If the front tyres are worn considerably more than the rear ones it is advisable to change them around as shown ⇒ fig. 123. All the tyres will then last for about the same time.

Wheel balance

The wheels on new vehicles are balanced. However, various factors encountered in normal driving can cause them to become unbalanced, which results in steering vibration.

Unbalanced wheels should be rebalanced, as they otherwise cause excessive wear on steering, suspension and tyres. A wheel must also be rebalanced when a new tyre is fitted.

Incorrect wheel alignment

Incorrect wheel alignment causes excessive tyre wear, impairing the safety of the vehicle. If tyres show excessive wear, you should have the wheel alignment checked by an Authorised Service Centre.

WARNING

There is a serious danger of accidents if a tyre bursts during driving!

- **The tyres must be replaced at the latest when the tread is worn down to the tread wear indicators. Failure to do so could result in an accident. Worn tyres do not grip well at high speeds on wet roads. There is also a greater risk of "aquaplaning"**
- **At continuously high speeds, a tyre with insufficient pressure flexes more. This causes it to overheat. This can cause tread separation and tyre blow-out. Risk of accident. Always observe the recommended tyre pressures.**
- **If tyres show excessive wear, you should have the running gear checked by an Authorised Service Centre.**
- **Keep chemicals such as oil, fuel and brake fluid away from tyres.**
- **Damaged wheels and tyres must be replaced immediately!**

For the sake of the environment

Under-inflated tyres will increase fuel consumption. ■

New tyres and wheels

New tyres and wheels have to be run-in.

The tyres and wheel rims are an essential part of the vehicle's design. The tyres and rims approved by SEAT are specially matched to the characteristics of the vehicle and make a major contribution to good road holding and safe handling ⇒ ⚠.

Tyres should be replaced at least in pairs and not individually (i.e. both front tyres or both rear tyres together). A knowledge of tyre designations makes it easier to choose the correct tyres. Radial tyres have the tyre designations marked on the sidewall, for example:

195/65 R15 91T

This contains the following information:

195 Tyre width in mm
65 Height/width ratio in %
R Tyre construction: **R**adial
15 Rim diameter in inches
91 Load rating code
T Speed rating

The tyres could also have the following information:

- A direction of rotation symbol
- "Reinforced" denotes heavy-duty tyres.

The manufacturing date is also indicated on the tyre sidewall (possibly only on the inner side of the wheel).

"DOT ... 1103 ..." means, for example, that the tyre was produced in the 11th week of 2003.

We recommend that work on tyres and wheels is carried out by an Authorised Service Centre. They are familiar with the procedure and have the necessary special tools and spare parts as well as the proper facilities for disposing of the old tyres.

Any Authorised Service Centre has full information on the technical requirements when installing or changing tyres, wheels or wheel trims.

WARNING

- **We recommend that you use only wheels and tyres which have been approved by SEAT for your model. Failure to do so could impair vehicle handling. Risk of accident.**

WARNING (continued)

- **Avoid running the vehicle on tyres that are more than six years old. If you have no alternative, you should drive slowly and with extra care at all times.**
- **Never use old tyres or those with an unknown “history of use”.**
- **If wheel trims are retrofitted, you must ensure that the flow of air to the brakes is not restricted. This could cause them to overheat.**
- **All four wheels must be fitted with radial tyres of the same type, size (rolling circumference) and the same tread pattern.**

For the sake of the environment

Old tyres must be disposed of according to the laws in the country concerned.

Note

- For technical reasons, it is not generally possible to use the wheels from other vehicles. This can also apply to wheels of the same model. The use of wheels or tyres which have not been approved by SEAT for use with your model may invalidate the vehicle's type approval for use on public roads.
- If the spare tyre is not the same as the tyres that are mounted on the vehicle - for example with winter tyres - you should only use the spare tyre for a short period of time and drive with extra care. Refit the normal road wheel as soon as possible. ■

Wheel bolts

Wheel bolts must be tightened to the correct torque.

The design of wheel bolts is matched to the rims. If different wheel rims are fitted, the correct wheel bolts with the right length and correctly shaped bolt heads must be used. This ensures that wheels are fitted securely and that the brake system functions correctly.

In certain circumstances, you may not use wheel bolts from a different car - even if it is the same model ⇒ page 170.

WARNING

If the wheel bolts are not tightened correctly, the wheel could become loose while driving. Risk of accident.

- **The wheel bolts must be clean and turn easily. Never apply grease or oil to them.**
- **Use only wheel bolts which belong to the wheel.**
- **If the prescribed torque of the wheel bolts is too low, they could loosen whilst the vehicle is in motion. Risk of accident! If the tightening torque is too high, the wheel bolts and threads can be damaged.**

Caution

The prescribed tightening torque for wheel bolts for steel and alloy wheels is 120 Nm. ■

Winter tyres

Winter tyres will improve the vehicles handling on snow and ice.

In winter conditions winter tyres will considerably improve the vehicles handling. The design of summer tyres (width, rubber compound, tread pattern) gives less grip on ice and snow.

Winter tyres must be inflated to a **pressure** 0.2 bar higher than the pressures specified for summer tyres (see sticker on tank flap). ▶

Winter tyres must be fitted on all four wheels.

Information on permitted **winter tyre sizes** can be found in the vehicle's registration documents. Use only radial winter tyres. All tyre sizes listed in the vehicle documentation also apply to winter tyres.

Winter tyres lose their effectiveness when the tread is worn down to a depth of 4 mm.

The speed rating code ⇒ page 196, “New tyres and wheels” determines the following **speed limits** for winter tyres: ⇒ ⚠

Q max. 160 km/h
S max. 180 km/h
T max. 190 km/h
H max. 210 km/h

In some countries, vehicles which can exceed the speed rating of the fitted tyre must have an appropriate sticker in the driver's field of view. These stickers are available from your Authorised Service Centre. The legal requirements of each country must be followed.

Do not have winter tyres fitted for unnecessarily long periods. Vehicles with summer tyres handle better when the roads are free of snow and ice.

If you have a flat tyre, please refer to the notes on the spare wheel ⇒ page 196, “New tyres and wheels”.

WARNING

The maximum speed for the winter tyres must not be exceeded. Otherwise, this could lead to tyre damage and thus, an accident risk.

For the sake of the environment

Fit your summer tyres in good time. They are quieter, do not wear so quickly and reduce fuel consumption. ■

Snow chains

Snow chains may be fitted only to the front wheels, and only for the following tyres:

175/70R14 185/60R15	Chains with links not exceeding 15 mm (including the chain closure)
215/45R16	Chains with links not exceeding 9 mm (including the chain closure)
215/40R17	Chains with links not exceeding 7mm (including the chain closure)

Remove wheel hub covers and trim rings before fitting snow chains. For safety reasons cover caps, available in any Authorised Service Centre, must then be fitted over the wheel bolts.

WARNING

Snow chains should be correctly tightened in accordance with the manufacturer's instructions. This will prevent the chains coming into contact with the wheel housing.

Caution

You must remove the snow chains to drive on roads which are free of snow. Otherwise they will impair handling, damage the tyres and wear out very quickly.

Note

In some countries, the speed limit for using snow chains is 50 km/h. The legal requirements of the country should be followed. ■

If and when

Vehicle tools, spare wheel

Vehicle Tools

The vehicle onboard tools are located under the floor panel in the luggage compartment.

– Lift floor panel.

– Take the on-board tools out of the vehicle.

The tool kit includes:

- Jack*
- Hook to remove integral* trim and screw caps.
- Box spanner for wheel bolts*
- Reversible screwdriver with handle (including hexagonal interior) for the wheel bolts. The screwdriver is a combination tool.
- Towing ring*
- Adapter for the anti-theft wheel bolts*

Some of the items listed are only provided in certain model versions, or are optional extras.

WARNING

- **Do not use the hexagonal socket in the screwdriver handle to tighten the wheel bolts as with this it is not possible to tighten the bolts to the required torque. Risk of accident.**

WARNING (continued)

- **The jack supplied by the factory is only designed for changing wheels on this model. On no account attempt to use it for lifting heavier vehicles or other loads. Risk of injury.**
- **Use the jack only on a firm, level ground.**
- **Never start the engine when the vehicle is on the jack. Risk of accident.**
- **If work is to be carried out underneath the vehicle, this must be secured by suitable means. Otherwise, there is a risk of injury.** ■

Spare wheel (emergency wheel)*

The spare wheel (emergency wheel) must only be used for the minimum necessary time.

The temporary spare wheel is stored under the floor panel in the luggage compartment and is attached by a thumbnut.

How to use the temporary spare wheel

If you ever have a punctured tyre or loss of pressure, the emergency wheel is only intended for temporary use until you reach a workshop. Change it for a duty wheel as soon as possible.

Please note the following restrictions when using the temporary spare wheel. This spare wheel has been specially designed for your vehicle, thus, it cannot be changed with the spare wheel from another vehicle.

No other type of tyre (normal summer or winter tyre) may be fitted on the compact temporary spare wheel rim.

Snow chains

For technical reasons, snow chains must **not** be used on the compact temporary spare wheel.

If you have a puncture on one of the *front wheels* when using snow chains, fit the compact temporary spare in place of one of the rear wheels. You can then attach the snow chains to the wheel taken from the rear and use this wheel to replace the punctured front wheel.

WARNING

- **The tyre pressures must be checked and corrected as soon as possible.**
- **Do not drive faster than 80 km/h. Higher speeds can cause an accident.**
- **Avoid heavy acceleration, hard braking and fast cornering. Risk of accident.**
- **Never use two or more compact spare tyres at the same time, risk of accident.**
- **No other type of tyre (normal summer or winter tyre) may be fitted on the compact temporary spare wheel rim.** ■

Tyre repair kit*

The tyre repair kit (for vehicles not including a spare wheel) is stored under the floor panel in the luggage compartment.

Your vehicle is equipped with the Tyre Mobility System “Tyre repair kit”.

The tyre repair kit consists of a container with sealing compound to repair the puncture and a **compressor** to generate the required tyre pressure. The kit will reliably seal punctures up to a size of about 4 mm caused by the penetration of a foreign body into the tyre.

Note

- Seek professional assistance if the repair of a tyre puncture is not possible with the sealing compound. ■

Wheel change

Preparation work

What you must do before changing a wheel.

– If you have a flat tyre or puncture, park the vehicle as far away from the flow of traffic as possible. Choose a location that is as level as possible.

– All passengers should leave the vehicle. They should wait in a safe area (for instance behind the roadside crash barrier).

– Switch the engine off. Switch the hazard warning lights on and place the warning triangles in position.

– Apply the **handbrake** firmly.

– Engage the **first gear**, or put the gear lever to position **P** for those vehicles with an automatic gearbox.

– If you are towing a trailer, unhitch it from your vehicle.

– Take the **vehicle tools** and the **spare wheel** out of the luggage compartment. ▶

WARNING

Switch on the hazard warning lights and place the warning triangles in position. This is for your own sensitive and also warns other road users.

Caution

If you have to change the wheel on a slope, it is essential to lock the parallel wheel on the same axle as that to be changed, with a wedge or similar in order to immobilise the vehicle.

Note

Please observe legal requirements when doing so. ■

Changing a wheel

Change the wheel as described below

– Remove the **hub caps or the integral trim**.

– Slacken the **wheel bolts**.

– **Raise** the car with the jack in the corresponding zone.

– **Remove** the wheel and then **fit** the spare wheel.

– **Lower** the vehicle.

– Tighten the wheel bolts **firmly** with the box spanner.

– Replace the **hub cap**. ■

After changing a wheel

After changing the wheel there are still tasks to complete.

– Put the tools and jack back in the luggage compartment.

– Place the wheel with the defective tyre in the luggage compartment and secure it.

– Check the tyre pressure of the newly fitted tyre as soon as possible.

– Have the tightening torque of the wheel bolts checked as soon as possible with a torque wrench. The prescribed torque must be 120 Nm.

Note

- If you notice that the wheel bolts are corroded and difficult to turn when changing a wheel, they must be replaced before having the wheel bolt torque checked.
- For your safety, drive at moderate speeds until the wheel bolt tightening torque has been checked. ■

Wheel covers*

The wheel covers must be removed for access to the wheel bolts

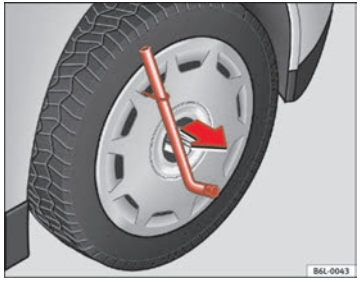

Fig. 124 Remove the complete hub cap

Removing

– Remove the wheel cover using the wire hook ⇒ fig. 124.

– Hook this into one of the cut-outs of the wheel cover.

Fitting

– Fit the wheel cover onto the wheel rim by pressing it firmly. Put pressure initially on the point of the cut-out for the valve. Next fit the rest of the hubcap. ■

Loosening the wheel bolts

The wheel bolts must be loosened before raising the vehicle.

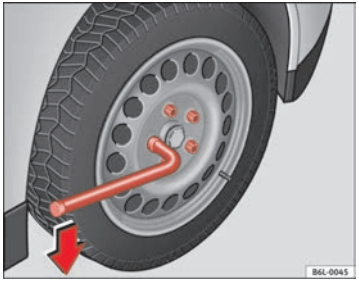

Fig. 125 Changing the wheel: loosen the wheel bolts

Loosening

– Fit the **box spanner** as far as it will go over the wheel bolt.

– Grasp the box spanner by the end turn it about one full turn to the **left** ⇒ fig. 125.

Tightening

– Fit the box spanner as far as it will go over the wheel bolt.

– Grasp the box spanner close to the end and turn the bolt to the right until it is secured.

– An adapter is required to unscrew or tighten the anti-theft wheel bolts. ▶

WARNING

Loosen the wheel bolts only about one turn before raising the vehicle with the jack, loosening the wheel bolts more than one turn can result in an accident.

Note

- Do not use the hexagonal socket in the screwdriver handle to loosen or tighten the wheel bolts.
- If the wheel bolt is very tight, you may be able to loosen it by pushing down the end of the spanner carefully with your foot. Hold on to the vehicle for support and take care not to slip. ■

Raising the vehicle

In order to remove the wheel, the vehicle must be raised with a jack.

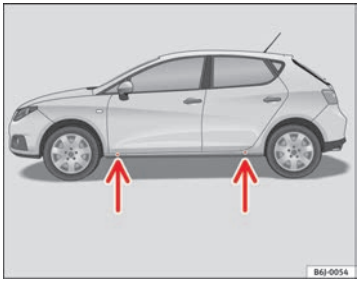

Fig. 126 Jack position points

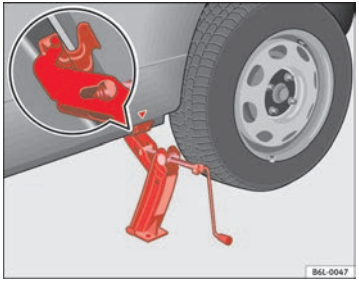

Fig. 127 Fitting the jack

– Locate the jacking point under the door sill closest to the wheel to be changed ⇒ fig. 126.

– Place the jack under the jacking point and turn the crank until the arm of the jack is directly below the vertical rib under the door sill.

– Align the jack so that the arm of the jack fits around the rib under the door sill and the movable base plate of the jack is flat on the ground ⇒ fig. 127.

– Raise the jack until the defective wheel is just clear of the ground.

Recesses at the front and rear of the door sills mark the jacking points ⇒ fig. 126. There is only one jacking point for each wheel. Do not fit the jack anywhere else.

An **unstable surface** under the jack may cause the vehicle to slip off the jack. Therefore, the jack must be fitted on solid ground offering good support. Use ▶

a large and stable base, if necessary. On a hard, slippery surface (such as tiles) use a rubber mat or similar to prevent the jack from slipping.

WARNING

- **Take all precautions so that the base of the jack does not slip. Failure to do so could result in an accident.**
- **The vehicle can be damaged if the jack is not applied at the correct jacking points. There is also a risk of injury since the jack can slip off suddenly if it is not properly engaged.** ■

Removing and fitting the wheel

For removal and fitting the wheel, the following tasks must be completed.

Fig. 128 Changing the wheel: Hexagonal socket in screwdriver handle to turn the wheel bolts

After loosening the wheel bolts and raising the vehicle with the jack, change the wheel as described below:

Removing a wheel

– Unscrew the bolts using the **hexagonal tool** in the handle of the screwdriver (vehicle tool) and place them on a clean surface ⇒ fig. 128.

Fitting a wheel

– Screw in the wheel bolts and tighten them lightly using the hexagonal socket in the screwdriver handle.

The wheel bolts should be clean and easily screwed. Before fitting the spare wheel, inspect the wheel condition and hub mounting surfaces. These surfaces must be clean before fitting the wheel.

The hexagonal socket in the screwdriver handle makes it easier to turn the wheel bolts. The reversible screwdriver blade should be removed when the tool is used for this purpose.

If tyres with a specific direction of rotation are fitted, note the direction of rotation.

Note

Do not use the hexagonal socket in the screwdriver handle to loosen or tighten the wheel bolts. ■

Anti-theft wheel bolts*

A special adapter is required to turn the anti-theft wheel bolts. This is found in the tool box.

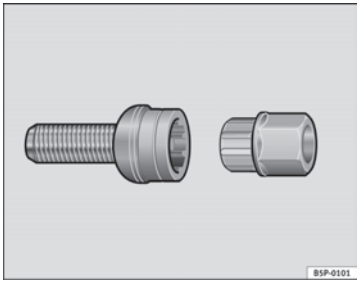

Fig. 129 Anti-theft wheel bolt

- Insert the adapter onto the wheel bolt and push it on as far as it will go ⇒ fig. 129.
- Fit the box spanner as far as it will go over the adapter.
- Loosen or tighten the wheel bolt as appropriate.

Error code

The code number of the anti-theft wheel bolt is stamped onto the front part of the adaptor.

The code number should be noted and kept in a safe place, as it is only by using the code number that a duplicate adaptor can be obtained from an Authorised Service Centre. ■

Tyres with directional tread pattern

Tyres with directional tread pattern must be fitted so that they rotate in the correct direction.

A directional tread pattern can be identified by arrows on the sidewall that point in the direction of rotation. Always note the direction of rotation indicated when fitting the wheel. This is important so that these tyres can give maximum grip and avoid excessive noise, tread wear and aquaplaning.

If, in an emergency, you have to fit the spare wheel so it rotates in the wrong direction, you must drive extremely carefully. The tyre will not give optimum performance. This is particularly important when driving on wet roads.

To benefit from the advantages of tyres with this type of tread pattern, the defective tyre should be replaced as soon as possible so that all tyres again rotate in the correct direction. ■

Tyre repair kit (Tyre-Mobility-System)*

General information and safety notes

Your vehicle is equipped with a tyre repair kit: the **Tyre Mobility System**.

In the event of a tyre puncture, a **sealing compound** and an **air compressor** are located in the luggage compartment under the floor panel.

The Tyre Mobility System will reliably seal punctures caused by the penetration of a foreign body of up to about 4 mm in diameter.

It is not necessary to remove the foreign body from the tyre.

Instructions for the sealing compound are located on the sealing compound container. ▶

It also contains the instructions for using the compressor.

WARNING

- **Do not attempt to repair a puncture with the sealing compound if the tyre has been damaged by driving the car after the tyre has lost its air.**
- **Always observe warnings and follow safety instructions concerning compressor and sealing compound carefully.**
- **Do not drive faster than 80 km/h, avoid heavy acceleration, hard braking and fast cornering.**
- **Tyres which have been repaired with sealing compound are only suitable for temporary use over a short period. Therefore, please drive carefully to the next available qualified workshop.**

For the sake of the environment

- Used sealing compound containers should be disposed of at a proper facility.
- The bottle containing sealing compound must be recycled in its correct container.

Note

- If sealant should leak out, leave it to dry. When it has dried, you can pull it off like a piece of foil.
- Observe the expiry date stated on the sealing compound can. Have the sealing compound exchanged by a qualified workshop.
- Seek professional assistance if the repair of a tyre puncture is not possible with the sealing compound. ■

What to do first

Certain steps must be taken before repairing a tyre.

– If you have a flat tyre or puncture, park the vehicle as far away from the flow of traffic as possible.

– Apply the **handbrake** firmly.

– Engage **first gear**, or put the selector lever to position **P**.

– All passengers should **leave** the vehicle. They should wait in a safe area (for instance behind the roadside crash barrier).

– Check whether a repair is possible using the Tyre Mobility System “General information and safety notes.”

– Unscrew inflation cap from the affected wheel.

– Take the **tyre repair kit** out of the luggage compartment.

WARNING

Switch on the hazard warning lights and place the warning triangles in position. This is for your own safety and also warns other road users.

Caution

Take special care if you have to repair a tyre on a slope.

Note

- Please observe legal requirements when doing so.
- Remember to replace the sealing compound as soon as possible. ■

Tyre repair

The following sections describe the procedures for repairing a tyre.

Using the sealing compound

– The instructions on the container give detailed information on how to use the sealing compound.

Inflating the tyre.

– Remove the air compressor and hose from the container.

– Screw the retaining nut onto the valve.

– Plug the compressor cable into a 12 volt power point.

– Turn on compressor and monitor the pressure shown on the pressure gauge.

Completing the repair

– Remove the compressor hose from the valve.

– Fit the valve cap.

– Unplug the compressor from the socket.

– Return all tools to their proper storing location.

Note

The compressor should never be allowed to run for longer than 6 minutes. ■

Fuses

Changing a fuse

Blown fuses must be replaced

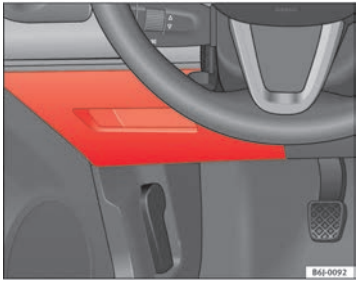

Fig. 130 Fuses in the dash panel

Fuse cover

– Switch off the ignition and its failed electrical component.

– Identify the fuse corresponding to the damaged electric consumer ⇒ page 208.

– Take the plastic clip from inside the fuse cover, fit it onto the blown fuse and pull the fuse out.

– Replace the blown fuse (which will have a melted metal strip) with a new fuse of the same ampere rating. ▶

The individual electrical circuits are protected by fuses. The fuses are located behind a cover at the left-hand end of the dash panel. When the steering wheel is on the right, the fuses are on the right-hand side of the dash panel, behind a cover.

The electric windows are protected by **circuit breakers**. These reset automatically after a few seconds when the overload (caused for example by frozen windows) has been corrected.

Fuses colour code

Colour	Amps
Beige	5
Brown	7,5
Red	10
Blue	15
Yellow	20
Natural (white)	25
Green	30

WARNING

Never "repair" damaged fuses and never replace them with fuses with a higher rating. Failure to comply could result in fire. This could also cause damage to other parts of the electrical system.

Note

- If a newly replaced fuse blows again after a short time, the electrical system must be checked by a qualified workshop as soon as possible.
- If you replace a fuse with higher-rating fuse, you could cause damage to another location in the electrical system.
- Always keep some spare fuses in the vehicle. These are available from SEAT dealers. ■

Fuses on left side of dash panel

Fuses

Number	Consumer	Amps
1	Power steering/Engine operation	7,5
2	Diagnostics/Heater/Autoclimate/Climatronic/Electric anti-dazzle mirror/Navigator/Air conditioning pressure switch/ Climate fan/ Kisi/ AFS Control unit/Coming home relay/Soundaktor	10
3	Petrol engine control unit/Flow meter/Diesel engine control unit/Relay coils/Engine operation/Bi-turbo fuel control unit	5
4	ABS/ESP switch (turning sensor)/Light lever	10
5	Reverse light/Heating nozzles	10
6	Instrument panel	5
7	Rear fog light	7,5
8	Vacant	
9	Headlight lever	10
10	Headlight lever/Clutch (Petrol)/Brakes (all)	5
11	Airbag control unit	5
12	Automatic gearbox/ Headlight lever	10
13	Exterior mirror control	5

Number	Consumer	Amps
14	Left-hand AFS headlights	15
15	Right-hand AFS headlights	15
16	Vacant	
17	Number plate light /Dimmer /Side light indicator light	5
18	Dimmer	5
19	Electronic control unit	5
20	Turn signals	15
21	Lights control, instrument panel	5
22	Electronic control unit, heated mirrors	5
23	Engine injection module/ Rain sensor/ Automatic gear lever/ Starter relay	7,5
24	Glove compartment light, luggage compartment light, interior light	10
25	Parking aid	5
26	Towing hook	
27	Vacant	
28	Lambda probe	10
29	Engine power supply	20
30	Petrol engine operation	10
31	Petrol engine operation/Glow plugs/Relay coil/Bi-turbo electric fan	10
32	Engine control unit	15
33	Clutch switch power supply/ Preheating relay/ Servo sensor	5

Number	Consumer	Amps
34	Fuel control unit / Bi-turbo engine supply	15
35	Vacant	
36	Main beam headlight, right	10
37	Main beam headlight, left/Coming Home	10
38	Electric fan motor	30
39	Vacant	
40	12 Volt Input/Cigarette lighter	15
41	Heated seats control unit / Cup Holder	25
42	Horn	20
43	Panorama roof	30
44	Windscreen wipers	20
45	Heated rear window	30
46	Radio/telephone VDA/Bluetooth/Steering column controls	20
47	Climatronic/autoclimate	5
48	Locking unit	25
49	Front electric window	30
50	Rear electric windows	30
51	Automatic gearbox control unit	30
52	Alarm/Volume sensor	15
53	Electro-kinetic pump relay/bi-turbo fuel control unit	15
54	Reverse light for automatic gearbox, fog light	15
55	Transformer on	15

Number	Consumer	Amps
56	Rear window wiper	10
57	Dipped beam headlight (right side)	15
58	Dipped beam headlight (left side)	15

Fuses below steering wheel in relay holder

PTC fuses

Number	Consumer	Amps
1	Supplementary electrical heating using air	40
2	Supplementary electrical heating using air	40
3	Supplementary electrical heating using air	40

AUX 1 Fuses

Number	Consumer	Amps
1	Dipped headlight (left side)	15
2	Dipped headlight (right side)	15
3	Headlight washer pump	20

AUX 3 Fuses

Number	Consumer	Amps
1	Trailer control unit	15
2	Trailer control unit	20
3	Trailer control unit	20

Fuses in engine compartment above battery

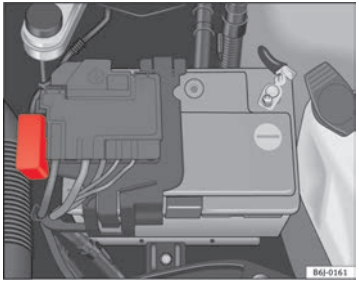

Fig. 131 Fuses in engine compartment

Non-metal fuses

Number	Consumer	Amps
1	ABS unit	25
2	Electroblower climate heater/fan	30
3	Climate fan	5
4	ABS unit	10
5	Electronic control unit	5
6	Injection module	30

Some of the electrical items listed in the table are only fitted on certain models or are optional extras.

Please note that the above list contains all data at the time of going to press, so it is subject to modifications.

Bulb change

General notes

Before changing any bulb, first turn off the failed component.

Do not touch the bulb glass. Fingerprints vaporise in the heat, causing a reduction in the bulb life and condensation on the mirror surface, thus reducing efficiency.

A bulb should only be replaced by one of the same type. The type is inscribed on the bulb, either on the glass part or on the base.

It is highly recommended to keep a box of spare bulbs in the vehicle. At the very least, the following spare bulbs, which are essential for road safety, should be kept in the vehicle.

Double headlights

Dipped beam - H7 Long Life

Main beam - H7

Position - 2 x W5W Long Life

Turn signal - PY21W

Single headlight

Dipped/Main H4 Long Life

Position W5W Long Life

Turn signal PY 21W

Xenon headlights[13]/adaptive*

Dipped and full beam - D1S[14]

Position W5W Blue Long Life

DRL (day light) P21W Super Long Life

Turn signals PY21W

Fog lights

Fog light/cornering - H11

Tail lights

Fog light - P21W

Reverse gear - R10W

Stop/position P21 /5W Long Life

Turn signal - PY21W

Side turn signal

Side turn signal - W5W

Number plate light

Number plate light - W5W Long Life

Note

- Depending on weather conditions (cold or wet), the front lights, the fog lights, the tail lights and the turn signals may be temporarily misted. This has no influence on the useful life of the lighting system. By switching on the lights, the area through which the beam of light is projected will quickly be demisted. However, the edges may continue to be misted.
- Please check at regular intervals that all lighting (especially the exterior lighting) on your vehicle is functioning properly. This is not only in the interest of your own safety, but also that of all other road users.
- Due to the difficulty in accessing some of the bulbs, any replacement work should be done by a SEAT dealer. However, there is a description below as to how to change these bulbs, except for the fog lights. ■

13) On this type of headlight, the bulb changes must be made by the SEAT dealer, given that complex elements must be removed from the vehicle and a reset must be made on the automatic control system incorporated.

14) The Xenon bulbs discharge 2.5 times the light flux and have an average lifespan of 5 times more than that of halogen bulbs, this means that, except due to unusual circumstances, there is no need to change the bulbs for the whole life of the vehicle.

Double headlight bulbs

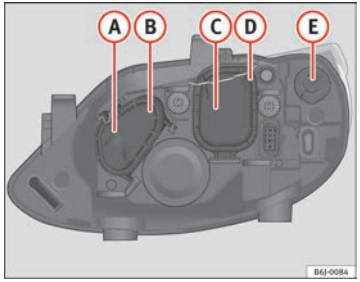

Fig. 132 Double headlights

(A) Main beam
(B) Side lights
(C) Dipped beam headlights
(D) Side lights
(E) Turn signal light ■

Turn signal bulbs

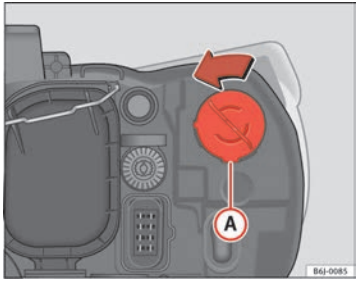

Fig. 133 Turn signal light

– Raise the bonnet.

– Rotate the bulb holder ⇒ fig. 133 (A) to the left and pull.

– Remove the bulb by pressing on the bulb holder and rotating at the same time to the left.

– Installation is done in the reverse order. ■

Dipped beam and side lights

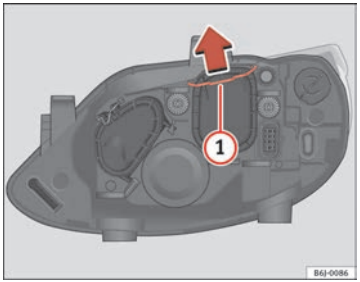

Fig. 134 Dipped beam headlights

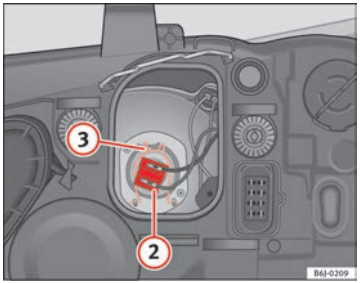

Fig. 135 Dipped beam headlights

– Raise the bonnet.

– Remove the loop ⇒ fig. 134 (1) in the direction of the arrow and remove the cover.

– Remove the connector ⇒ fig. 135 (2) from the bulb.

– Unclip the retainer spring ⇒ fig. 135 (3) pressing inwards to the right.

– Extract the bulb and fit the replacement so that the rim of the attachment plate is on the reflector cut-out. ■

Main beam and side lights

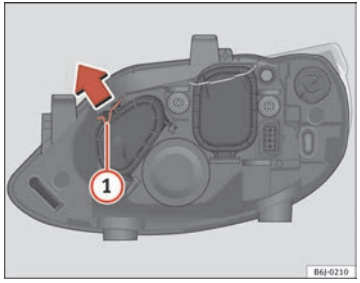

Fig. 136 Main beam headlights

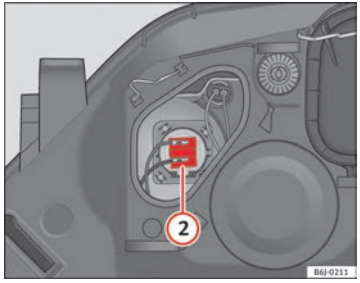

Fig. 137 Main beam headlights

– Raise the bonnet.

– Move the loop (1) in the direction of the arrow and remove the cover ⇒ fig. 136.

– Remove connector ⇒ fig. 137 (2) by pulling outward.

– Extract the bulb and fit the replacement so that it sits correctly into the cut-out on the reflector.

– Installation is done in the reverse order. ■

Single headlight bulbs

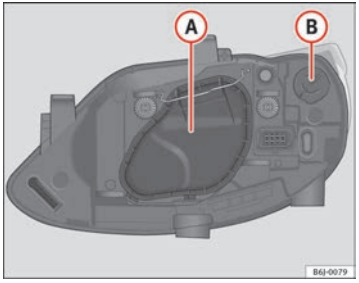

Fig. 138 Single headlight

(A) Side lights - Dipped beam/main beam.
(B) Turn signal ■

Turn signal bulb

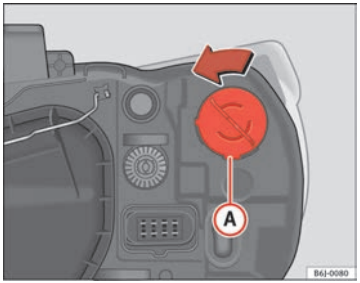

Fig. 139 Single turn signal lamp

- Raise the bonnet.
- Rotate the bulb holder ⇒ fig. 139 (A) to the left and pull.
- Remove the bulb by pressing on the bulb holder and rotating at the same time to the left.
- Installation is done in the reverse order. ■

Dipped/main beam headlights

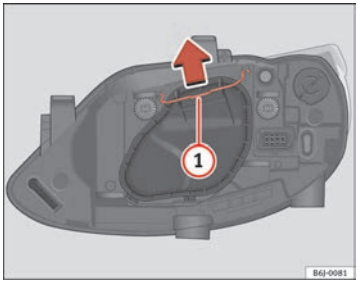

Fig. 140 Dipped beam/main beam, single headlight

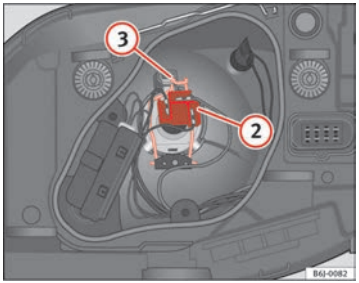

Fig. 141 Dipped beam/main beam, single headlight

- Raise the bonnet.

– Remove the loop ⇒ page 215, fig. 140 (1) in the direction of the arrow and remove the cover.

– Remove the connector ⇒ page 215, fig. 141 (2) from the bulb.

– Unclip the retainer spring ⇒ page 215, fig. 141 (3) pressing inwards to the right.

– Extract the bulb and fit the replacement so that the rim of the attachment plate is on the reflector cut-out. ■

Side lights

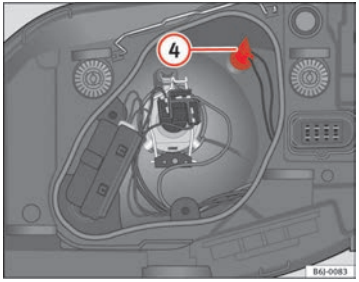

Fig. 142 Side lights

– Raise the bonnet.

– Remove the loop ⇒ page 215, fig. 140 (1) in the direction of the arrow and remove the cover.

– Remove the bulb holder (4) ⇒ fig. 142 outwards.

– Replace the bulb by pulling it out and inserting the replacement.

– Installation is done in the reverse order. ■

Access to rear pilot lights

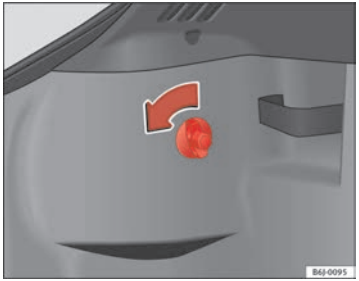

Fig. 143 Access to tail lights

– Open the tailgate.

– Turn the bolt in the direction of the arrow, by hand or with a screwdriver ⇒ fig. 143.

– Remove the pilot light, by pulling it outwards. ■

Changing bulbs on tail lights

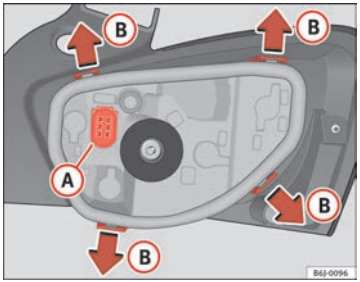

Fig. 144 Changing bulbs on tail lights

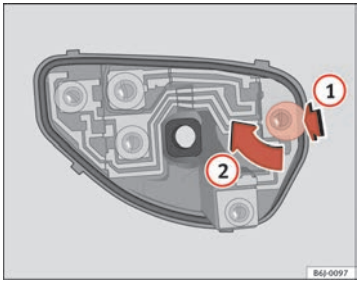

Fig. 145 Changing bulbs on tail lights

– Remove the connector from housing (A) ⇒ page 216, fig. 143.

– Remove the bulb holder, separating it from the casing. To do this, press tabs (B) in the direction of the arrows ⇒ fig. 144.

– When the bulb holder has been removed, press in the direction of the arrow (1) and at the same time, turn in the direction of the arrow (2) ⇒ fig. 145 ■

Side turn signal bulbs

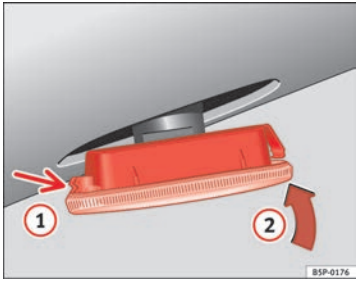

Fig. 146 Side turn signals

– Press the turn signal to the left or to the right to remove the bulb.

– Remove the bulb holder from the turn signal.

– Remove the failed bulb and replace with a new bulb.

– Insert the bulb holder in the turn signal guide until it clicks into place. ▶

– First fit the turn signal in the opening in the chassis, fastening the tabs (1) ⇒ page 217, fig. 146, and then fit in the bulb as shown by the arrow (2) ⇒ page 217, fig. 146. ■

Number plate light

– Insert the flat part of a screwdriver into the special slot and remove the bulb.

– Remove the bulb holder, by turning it until it is free.

– Change the bulb.

– Replace the bulb holder, by turning it until it fits fully.

– Fit the light into the space and press until you hear a “click”. ■

Interior light and front reading light

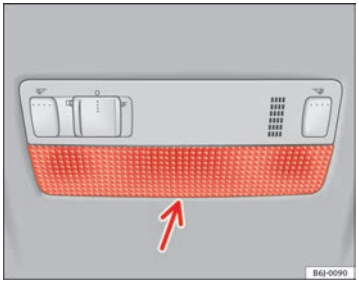

Fig. 147 Front reading light

To remove the glass

– Insert a fine screwdriver between the casing and the glass ⇒ fig. 147.

– Carefully remove the glass, levering it to avoid possible damage.

To replace the bulbs

– Pull the bulbs outwards.

– To remove the central bulb, hold and press to one side.

Assembly

– Proceed in the reverse order, pressing gently on the outer edge of the side light. ▶

– First fit the glass with the fastening tabs over the frame of the switch. Next press the front part until the two long tabs click on the support. ■

Additional brake lights*

Given the difficulty involved in the replacement of this light it should be done by the Technical Service. ■

Luggage compartment light*

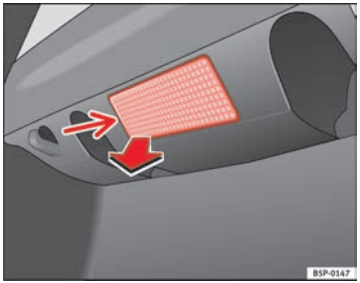

Fig. 148 Luggage compartment light

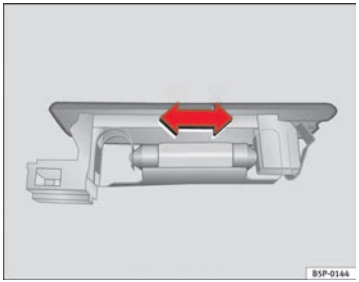

Fig. 149 Luggage compartment light

– Extract the tulip shaped fitting by pressing on the inside edge of this -arrow- using the flat side of a screwdriver ⇒ fig. 148.

– Press the bulb sideways and remove it from its housing ⇒ fig. 149. ■

Jump-starting

Jump leads

The jump lead must have a sufficient wire cross section.

If the engine fails to start because of a discharged battery, the battery can be connected to the battery of another vehicle to start the engine. ▶

Jump leads

Jump leads must comply with standard **DIN 72553** (see manufacturer's documentation). The wire cross section must be at least 25 mm^2 for petrol engines and at least 35 mm^2 for diesel engines.

Note

- The vehicles must not touch each other, otherwise electricity could flow as soon as the positive terminals are connected.
- The discharged battery must be properly connected to the vehicle electrical system. ■

How to jump start: description

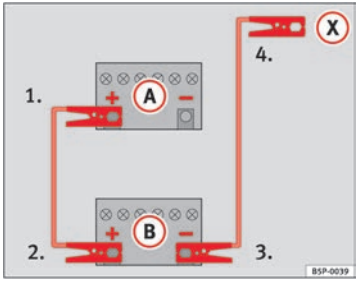

Fig. 150 How to connect the jump leads

⇒ fig. 150 (A) shows the flat battery and (B) the charged battery.

Jump lead terminal connections

– Switch off the ignition of both vehicles ⇒ ⚠.

1. Connect one end of the red jump lead to the positive ⇒ fig. 150 (+) terminal of the vehicle with the flat battery ⇒ ⚠.
2. Connect the other end of the red jump lead to the positive terminal (+) in the vehicle providing assistance.
3. Connect one end of the black jump lead to the negative terminal (-) on the battery of the vehicle providing assistance.
4. Connect the other end of the black jump lead (X) to a solid metal component which is bolted on to the engine block, or onto the engine block itself of the vehicle with the flat battery. Do not connect it to a point near the battery ⇒ ⚠. In vehicles with the battery under the spare wheel, the black emergency cable must be connected directly to a solid metal part in the luggage compartment. It should never be connected directly to the negative terminal on the battery.
5. Position the leads in such a way that they cannot come into contact with any moving parts in the engine compartment.

Starting

6. Start the engine of the vehicle with the boosting battery and let it run at idling speed.
7. Start the engine of the car with the flat battery and wait one or two minutes until the engine is “running”. ▶

Removing the jump leads

8. Before you remove the jump leads, switch off the headlights (if they are switched on).

9. Turn on the heater blower and heated rear window in the vehicle with the flat battery. This helps minimise voltage peaks which are generated when the leads are disconnected.

10. When the engine is running, disconnect the leads in reverse order to the details given above.

Connect the battery clamps so they have good metal-to-metal contact with the battery terminals.

If the engine fails to start, switch off the starter after about 10 seconds and try again after about half a minute.

WARNING

- **Please note the safety warnings referring to working in the engine compartment ⇒ page 178, “Working in the engine compartment”.**
- **The battery providing assistance must have the same voltage as the flat battery (12V) and approximately the same capacity (see imprint on battery). Failure to comply could result in an explosion.**
- **Never use jump leads when one of the batteries is frozen. Danger of explosion! Even after the battery has thawed, battery acid could leak and cause chemical burns. If a battery freezes, it should be replaced.**
- **Keep sparks, flames and lighted cigarettes away from batteries, danger of explosion. Failure to comply could result in an explosion.**
- **Observe the instructions provided by the manufacturer of the jump leads.**

WARNING (continued)

- **Do not connect the negative cable from the other vehicle directly to the negative terminal of the flat battery. The gas emitted from the battery could be ignited by sparks. Danger of explosion.**
- **Do not attach the negative cable from the other vehicle to parts of the fuel system or to the brake line.**
- **The non-insulated parts of the battery clamps must not be allowed to touch. The jump lead attached to the positive battery terminal must not touch metal parts of the vehicle, this can cause a short circuit.**
- **Position the leads in such a way that they cannot come into contact with any moving parts in the engine compartment.**
- **Do not bend over the batteries. This could result in chemical burns.**

Note

The vehicles must not touch each other, otherwise electricity could flow as soon as the positive terminals are connected. ■

Towing and tow-starting

Tow-starting*

The use of jump leads is preferable to tow-starting.

We recommend that you do **not** tow-start your vehicle. Jump-starting is preferable ⇒ page 219.

However, if your vehicle has to be tow-started:

– Engage the 2nd or the 3rd gear.

– Keep the clutch pressed down.

– Switch the ignition on.

– Once both vehicles are moving, release the clutch.

– As soon as the engine starts, press the clutch and move the gear lever into neutral. This helps to prevent driving into the towing vehicle.

WARNING

The risk of accidents is high when tow-starting. The vehicle being towed can easily collide with the towing vehicle.

Caution

When tow-starting, fuel could enter the catalytic converter and damage it. ■

Comments

Please observe the following points if you use a tow-rope:

Notes for the driver of the towing vehicle

– Drive slowly at first until the tow-rope is taut. Then accelerate gradually.

– Begin and change gears cautiously. If you are driving an automatic vehicle, accelerate gently.

– Remember that the brake servo and power steering are not working in the vehicle you are towing. Brake earlier than you would normally, but with a more gentle pressure on the brake.

Notes for the driver of the towed vehicle

– Ensure that the tow-rope remains taut at all times when towing.

Tow-rope or tow-bar

It is easier and safer to tow a vehicle with a tow-bar. You should only use a tow-rope if you do not have a tow-bar.

A tow-rope should be slightly elastic to reduce the loading on both vehicles. It is advisable to use a tow-rope made of synthetic fibre or similarly elastic material.

Attach the tow-rope or the tow-bar only to the towing eyes provided or a towing bracket.

Driving style

Towing requires some experience, especially when using a tow-rope. Both drivers should be familiar with the technique required for towing. Inexperienced drivers should not attempt to tow-start or tow away another vehicle. ▶

Do not pull too hard with the towing vehicle and take care to avoid jerking the tow-rope. When towing on an unpaved road, there is always a risk of overloading and damaging the anchorage points.

The ignition of the vehicle being towed must be switched on to prevent the steering wheel from locking and also to allow the use of the turn signals, horn, windscreen wipers and washers.

As the brake servo does not work if the engine is not running, you must apply considerably more pressure to the brake pedal than you normally would.

As the power assisted steering does not work if the engine is not running, you will need more strength to steer than you normally would.

Towing vehicles with an automatic gearbox

- Put the selector lever into position “N”.
- Do not drive faster than 50 km/h when towing a vehicle.
- Do not tow further than 50 km.
- If a breakdown vehicle is used, the vehicle must be towed with the front wheels raised.

Note

- Observe legal requirements when towing or tow-starting.
- Switch on the hazard warning lights of both vehicles. However, observe any regulations to the contrary.
- For technical reasons, vehicles with an automatic gearbox must not be tow-started.
- If damage to your vehicle means that there is no lubricant in the gearbox, you must raise the drive wheels while the vehicle is being towed.
- If the vehicle has to be towed more than 50 km, the front wheels must be raised during towing, and towing should be carried out by a qualified person.
- The steering wheel is locked when the vehicle has no electrical power. The vehicle must then be towed with the front wheels raised. Towing should be carried out by a qualified person.
- The towing eye should always be kept in the vehicle. ■

Trailer eyes

Fig. 151 Fitting the towing eye to front rear of the vehicle

Fitting the towing eye

– Take the towing ring from the on-board tool set.

– Remove the front cover by pressing down on its left-hand side. For FR finishes, press down and pull outwards.

– Bolt the eye to its limit to the *left*, in the direction of the arrow ⇒ fig. 151. ■

Rear towing eye

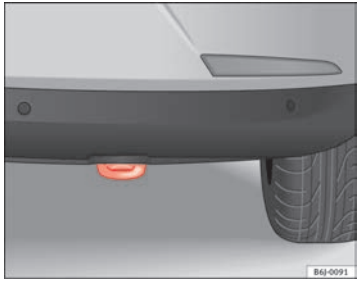

Fig. 152 Rear towing ring

There is a towing eye at the rear on the right below the rear bumper. ■

Technical data

General notes on the technical data

Outstanding information

Important considerations

All data in the official vehicle documents take precedence over this data.

All data provided in this manual are valid for the standard model in Spain. The vehicle data card included in the Maintenance Programme or the vehicle registration documents shows which engine is installed in your vehicle.

The figures may be different depending on if additional equipment is fitted, for different models, for special vehicles and for other countries.

Abbreviations used in the Technical Data section

Abbreviation	Meaning
kW	Kilowatt, engine power measurement.
PS	Pferdestärke (horsepower), formerly used to denote engine power.
rpm	Revolutions per minute - engine speed.
Nm	Newton metres, unit of engine torque.
l/100 km	Fuel consumption in litres per 100 km.
g/km	Carbon dioxide emissions in grams per km travelled.
CO_2	Carbon dioxide
CN	Cetane number, indication of the diesel combustion power.
RON	Research octane number, indication of the knock resistance of petrol.

Vehicle identification data

The most important data are given on the identification plate and the vehicle data sticker.

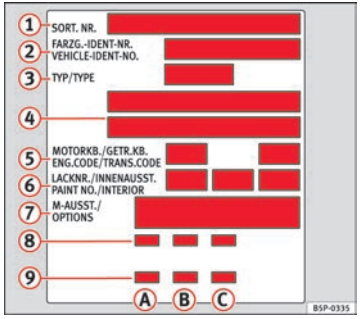

Fig. 153 Vehicle data sticker (luggage compartment)

Vehicles for certain export countries do not have an identification plate.

Identification plate

The identification plate is located on the left rib inside the engine compartment.

Vehicle identification number

The vehicle identification number (chassis number) can be read from outside the vehicle through a viewer in the windscreen. This is located on the left-hand side of the vehicle in the lower area of the windscreen. It is also located on the right hand side of the engine compartment.

Vehicle data

The data sticker is placed on the inside of the spare wheel recess in the luggage compartment.

The following information is provided on the vehicle data sticker: ⇒ fig. 153

These data are also provided in the Maintenance Programme.

1. Production control number
2. Vehicle identification number (chassis number)
3. Model code number
4. Model designation / engine power output
5. Engine and gearbox code letters
6. Paintwork number / interior trim code
7. Optional equipment codes
8. Consumption values
9. CO_2 emissions values.

Data from 2 to 9 are also provided in the Maintenance Programme.

Consumption figures and CO_2

- A Consumption (litres/100 km) / CO_2 emissions (g/km) urban
- B Consumption (litres/100 km) / CO_2 emissions (g/km) motorway
- C Consumption (l/100 km) / CO_2 Emissions (g/km) mixed

Data on fuel consumption

Fuel consumption

The consumption and emission details shown on the vehicle data sticker differ from one vehicle to another.

The fuel consumption and CO_2 emissions of the vehicle can be found on the vehicle data sticker.

The fuel consumption and emissions figures given are based on the vehicle weight category, which is determined according to the engine/gearbox combination and the equipment fitted.

The consumption and emission figures are calculated in accordance with the EC test requirements 1999/100/EC. These test requirements specify a realistic test method based on normal everyday driving.

The following test conditions are applied:

Urban cycle	The urban cycle starts with an engine cold start. City driving is then simulated.
Extra urban cycle	In the extra urban cycle simulation the vehicle frequently accelerates and brakes in all gears, as in normal everyday driving. The road speed ranges from 0 to 120 km/h.
Total consumption	The average total consumption is calculated with a weighting of around 37% for the urban cycle and 63% for the extra urban cycle.
CO_2 emissions	The exhaust gases are collected during both driving cycles to calculate carbon dioxide emissions. The gas composition is then analysed to evaluate the CO_2 content and other emissions.

Note

- Actual consumption may vary from quoted test values, depending on personal driving style, road and traffic conditions, the weather and the vehicle condition. ■

Weights

Kerb weight refers to the basic model with a fuel tank filled to 90% capacity and without optional extras. The figure quoted includes 75 kg to allow for the weight of the driver.

For special versions and optional equipment fittings or for the addition of accessories, the weight of the vehicle will increase ⇒ ⚠.

WARNING

- **Please note that the centre of gravity may shift when transporting heavy objects; this may affect the vehicle's handling and lead to an accident. Always adjust your speed and driving style to suit road conditions and requirements.**
- **Never exceed the gross axle weight rating or the gross vehicle weight rating. If the allowed axle load or the allowed total weight is exceeded, the driving characteristics of the vehicle may change, leading to accidents, injuries and damage to the vehicle.** ■

Towing a trailer

Trailer weights

Trailer weight

The trailer weights and drawbar loads approved are selected in intensive trials according to precisely defined criteria. The approved trailer weights are valid for vehicles in the *EU* for maximum speeds of 80 km/h (in certain circumstances up to 100 km/h). The figures may be different in other countries. All data in the official vehicle documents take precedence over these data ⇒ ⚠.

Drawbar load

The *maximum* permitted weight exerted by the trailer drawbar on the ball joint of the towing bracket must not exceed **75 kg**.

In the interest of road safety, we recommend that you always tow approaching the maximum drawbar load. The response of the trailer on the road will be poor if the drawbar load is too small.

If the maximum permissible drawbar load cannot be met (e.g. with small, empty and light-weight single axle trailers or tandem axle trailers with a wheelbase of less than 1 metre), at least 4% of the actual trailer weight is a legal stipulation for a drawbar load.

⚠ WARNING

- **For safety reasons, do not exceed the 80 km/h limit. This is also valid in countries where higher speeds are permitted.**
- **Never exceed the maximum trailer weights or the drawbar load. If the permissible axle load or the permissible total weight is exceeded, the driving characteristics of the vehicle may change, leading to accidents, injuries and damage to the vehicle.** ■

Wheels

Tyre pressure, snow chains, wheel bolts

Tyre pressures

The sticker with the tyre pressure values can be found on the inside of the tank flap. The tyre pressure values given there are for *cold* tyres. The slightly raised pressures of warm tyres must not be reduced. ⇒ ⚠

Snow chains

Snow chains may be fitted only to the front wheels, and only for the following tyres:

175/70R14 185/60R15	Chains with links not exceeding 15 mm (including the chain closure)
215/45R16	Chains with links not exceeding 9 mm (including the chain closure)
215/40R17	Chains with links not exceeding 7mm (including the chain closure)

Wheel bolts

After the wheels have been changed, the **tightening torque** of the wheel bolts should be checked as soon as possible with a torque wrench ⇒ ⚠. The tightening torque for steel and alloy wheels is **120** Nm.

⚠ WARNING

- **Check the tyre pressure at least once per month. Checking tyre pressure value is very important. If the tyre pressure is too high or too low, there is an increased danger of accidents, particularly at high speeds.**

WARNING (continued)

- **If the torque of the wheel bolts is too low, they could loosen while the vehicle is in motion. Risk of accident! If the tightening torque is too high, the wheel bolts and threads can be damaged.**

Note

We recommend that you ask your Authorised Service Centre for information about appropriate wheel, tyre and snow chain size. ■

Technical data

Checking fluid levels

From time to time, the levels of the different fluids in the vehicle must be checked. Never fill with incorrect fluids, otherwise serious damage to the engine may be caused.

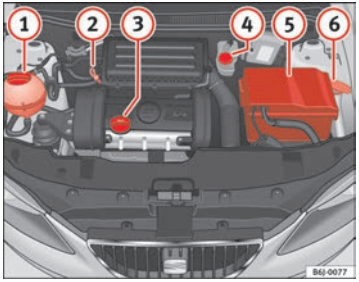

Fig. 154 Diagram for the location of the various elements

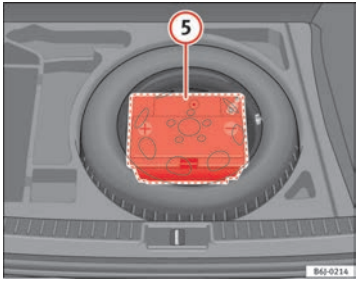

Fig. 155 For vehicles with the battery in the luggage compartment.

1. Coolant expansion tank
2. Engine oil dipstick.
3. Engine oil filler cap
4. Brake fluid reservoir
5. Vehicle battery
6. Windscreen washer fluid container

The checking and refilling of service fluids are carried out on the components mentioned above. These operations are described in the ⇒ page 178.

Overview

You will find further explanations, instructions and restrictions on the technical data as of ⇒ page 225.

Note

The layout of parts may vary depending on the engine. ■

Petrol engine 1.2 44 kW (60 PS)

Engine specifications

Power output in kW (PS)	rpm	44 (60)/ 5200
Maximum torque	in Nm at rpm	108/ 3000
No. of cylinders/ capacity	in cm^3	3/ 1198
Fuel		Super 95 RON[a)]/Normal 91 RON[b)]

a) **R**esearch- **O**ctane- **N**umber = Anti-detonation rating of the petrol.
b) Slight power loss.

Performance figures

Maximum speed	in km/h	155
Acceleration from 0-80 km/h	in sec.	10,3
Acceleration from 0-100 km/h	in sec.	15,9

Weights

Gross vehicle weight	in kg	1500
Weight in running order (with driver)	in kg	1049
Gross front axle weight	in kg	810
Gross rear axle weight	in kg	780
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes	520
Trailer with brakes, gradients up to 8%	1000
Trailer with brakes, gradients up to 12%	800

Engine oil capacity

Approximate engine oil capacity with oil filter change	2.75 litres

Petrol engine 1.2 51 kW (70 PS)

Engine specifications

Power output in kW (PS)	rpm	51 (70)/ 5400
Maximum torque	in Nm at rpm	112/ 3000
No. of cylinders/ capacity	in cm^3	3/ 1198
Fuel		Super 95 RON[a)]/Normal 91 RON[b)]

[a)] **R**esearch- **O**ctane- **N**umber = Anti-detonation rating of the petrol.
[b)] Slight power loss.

Performance figures

Maximum speed	in km/h	163
Acceleration from 0-80 km/h	in sec.	9
Acceleration from 0-100 km/h	in sec.	13,9

Weights

Gross vehicle weight	in kg	1500
Weight in running order (with driver)	in kg	1049
Gross front axle weight	in kg	810
Gross rear axle weight	in kg	780
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes	520
Trailer with brakes, gradients up to 8%	1000
Trailer with brakes, gradients up to 12%	800

Engine oil capacity

Approximate engine oil capacity with oil filter change	2.75 litres

Petrol engine 1.4 63 kW (85 PS)

Engine specifications

Power output in kW (PS)	rpm	63 (85)/ 5000
Maximum torque	in Nm at rpm	132/ 3800
No. of cylinders/ capacity	in cm^3	4/ 1390
Fuel		Super 95 RON[a)]/Normal 91 RON[b)]

[a)] **R**esearch- **O**ctane- **N**umber = Anti-detonation rating of the petrol.
[b)] Slight power loss.

Performance figures

Maximum speed	in km/h	177
Acceleration from 0-80 km/h	in sec.	7,6
Acceleration from 0-100 km/h	in sec.	11,8

Weights

Gross vehicle weight	in kg	1526
Weight in running order (with driver)	in kg	1075
Gross front axle weight	in kg	860
Gross rear axle weight	in kg	780
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes	530
Trailer with brakes, gradients up to 8%	1200
Trailer with brakes, gradients up to 12%	1000

Engine oil capacity

Approximate engine oil capacity with oil filter change	2.8 litres

Petrol engine 1.4 110 kW (150 PS)

Engine specifications

Power output in kW (PS)	rpm	110 (150)/ 5800
Maximum torque	in Nm at rpm	220/ 1250-4500
No. of cylinders/ capacity	in cm^3	4/ 1390
Fuel		Super 98 RON[a)]/Super 95 RON[b)]

a) **R**esearch- **O**ctane- **N**umber = Anti-detonation rating of the petrol.
b) Slight power loss.

Performance figures

Maximum speed	in km/h	212
Acceleration from 0-80 km/h	in sec.	5,5
Acceleration from 0-100 km/h	in sec.	7,8

Weights

Gross vehicle weight	in kg	1705
Weight in running order (with driver)	in kg	1254
Gross front axle weight	in kg	930
Gross rear axle weight	in kg	820
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes	620
Trailer with brakes, gradients up to 8%	1300
Trailer with brakes, gradients up to 12%	1200

Engine oil capacity

Approximate engine oil capacity with oil filter change	3.6 litres

Petrol engine 1.6 77 kW (105 PS)

Engine specifications

Power output in kW (PS)	rpm	77 (105)/5600
Maximum torque	in Nm at rpm	153/ 3800
No. of cylinders/ capacity	in cm^3	4/ 1598
Fuel		Super premium unleaded 98 octanes/ Super 95 RON/ Normal 91 RON [a)]

[a)] With a slight power loss

Performance figures

		Manual	Automatic
Maximum speed	in km/h	189	188
Acceleration from 0-80 km/h	in sec.	68	6,9
Acceleration from 0-100 km/h	in sec.	10,4	10,1

Weights

		Manual	Automatic
Gross vehicle weight	in kg	1541	1571
Weight in running order (with driver)	in kg	1090	1120
Gross front axle weight	in kg	860	880
Gross rear axle weight	in kg	780	780
Permitted roof load	in kg	75	75

Trailer weight

	Manual	Automatic
Trailer without brakes	540	560
Trailer with brakes, gradients up to 8%	1200	1200
Trailer with brakes, gradients up to 12%	1000	1000

Engine oil capacity

Approximate engine oil capacity with oil filter change	3.3 litres

Diesel engine 1.2 CR 55 kW (75 PS)

Engine specifications

Power output in kW (PS)	rpm	55 (75)/ 4200
Maximum torque	in Nm at rpm	180/ 1800-2200
No. of cylinders/ capacity	in cm^3	3/ 1199
Fuel		Min. 51 CN[a)]

[a)] **C**etane- **N**umber (cetane index) = Measure of the diesel combustion power.

Performance figures

Maximum speed	in km/h	165
Acceleration from 0-80 km/h	in sec.	9,1
Acceleration from 0-100 km/h	in sec.	13,9

Weights

Gross vehicle weight	in kg	1586
Weight in running order (with driver)	in kg	1135
Gross front axle weight	in kg	900
Gross rear axle weight	in kg	780
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes	560
Trailer with brakes, gradients up to 8%	1200
Trailer with brakes, gradients up to 12%	1000

Engine oil capacity

Approximate engine oil capacity with oil filter change	4.1 litres

Diesel engine 1.4 TDI 59 kW (80 PS)

Engine specifications

Power output in kW (PS)	rpm	59 (80)/ 4000
Maximum torque	in Nm at rpm	195/ 1800-2200
No. of cylinders/ capacity	in cm^3	3/ 1422
Fuel		Min. 51 CN[a)]

[a)] **C**etane- **N**umber (cetane index) = Measure of the diesel combustion power.

Performance figures

Maximum speed	in km/h	169
Acceleration from 0-80 km/h	in sec.	8,5
Acceleration from 0-100 km/h	in sec.	13,1

Weights

Gross vehicle weight	in kg	1601
Weight in running order (with driver)	in kg	1150
Gross front axle weight	in kg	920
Gross rear axle weight	in kg	780
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes	570
Trailer with brakes, gradients up to 8%	1200
Trailer with brakes, gradients up to 12%	1000

Engine oil capacity

Approximate engine oil capacity with oil filter change	4.2 litres

Diesel engine 1.4 TDI 59 kW (80 PS) Ecomotive

Engine specifications

Power output in kW (PS)	rpm	59 (80)/ 4000
Maximum torque	in Nm at rpm	195/ 1800-2200
No. of cylinders/ capacity	in cm^3	3/ 1422
Fuel		Min. 51 CN[a)]

[a)] **C**etane- **N**umber (cetane index) = Measure of the diesel combustion power.

Performance figures

Maximum speed	in km/h	177
Acceleration from 0-80 km/h	in sec.	8,4
Acceleration from 0-100 km/h	in sec.	12,9

Weights

Gross vehicle weight	in kg	1591
Weight in running order (with driver)	in kg	1140
Gross front axle weight	in kg	920
Gross rear axle weight	in kg	780
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes	570
Trailer with brakes, gradients up to 8%	1200
Trailer with brakes, gradients up to 12%	1000

Engine oil capacity

Approximate engine oil capacity with oil filter change	4.2 litres

Diesel engine 1.6 TDI CR 66 kW (90 PS)

Engine specifications

Power output in kW (PS)	rpm	66 (90)/ 4200
Maximum torque	in Nm at rpm	230/ 1500-2500
No. of cylinders/ capacity	in cm^3	4/ 1598
Fuel		Min. 51 CN[a)]

a) **C**etane- **N**umber (cetane index) = Measure of the diesel combustion power.

Performance figures

Maximum speed	in km/h	178
Acceleration from 0-80 km/h	in sec.	7,8
Acceleration from 0-100 km/h	in sec.	11,8

Weights

Gross vehicle weight	in kg	1621
Weight in running order (with driver)	in kg	1170
Gross front axle weight	in kg	930
Gross rear axle weight	in kg	780
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes	580
Trailer with brakes, gradients up to 8%	1200
Trailer with brakes, gradients up to 12%	1000

Engine oil capacity

Approximate engine oil capacity with oil filter change	4,3

Diesel engine 1.6 TDI CR 77 kW (105 PS)

Engine specifications

Power output in kW (PS)	rpm	77 (105)/ 4400
Maximum torque	in Nm at rpm	250/ 1500-2500
No. of cylinders/ capacity	in cm^3	4/ 1598
Fuel		Min. 51 CN[a)]

[a)] **C**etane- **N**umber (cetane index) = Measure of the diesel combustion power.

Performance figures

Maximum speed	in km/h	188
Acceleration from 0-80 km/h	in sec.	6,9
Acceleration from 0-100 km/h	in sec.	10,5

Weights

Gross vehicle weight	in kg	1621
Weight in running order (with driver)	in kg	1195
Gross front axle weight	in kg	930
Gross rear axle weight	in kg	780
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes	590
Trailer with brakes, gradients up to 8%	1200
Trailer with brakes, gradients up to 12%	1000

Engine oil capacity

Approximate engine oil capacity with oil filter change	4,3

Diesel engine 1.9 TDI 66 kW (90 PS)

Engine specifications

Power output in kW (PS)	rpm	66 (90)/ 4000
Maximum torque	in Nm at rpm	210/ 1800-2500
No. of cylinders/ capacity	in cm^3	4/ 1896
Fuel		Min. 51 CN[a)]

[a)] **C**etane- **N**umber (cetane index) = Measure of the diesel combustion power.

Performance figures

Maximum speed	in km/h	176
Acceleration from 0-80 km/h	in sec.	8
Acceleration from 0-100 km/h	in sec.	12

Weights

Gross vehicle weight	in kg	1626
Weight in running order (with driver)	in kg	1175
Gross front axle weight	in kg	940
Gross rear axle weight	in kg	780
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes	580
Trailer with brakes, gradients up to 8%	1200
Trailer with brakes, gradients up to 12%	1200

Engine oil capacity

Approximate engine oil capacity with oil filter change	4.3 litres

Diesel engine 1.9 TDI 77 kW (105 PS) With/without DPF

Engine specifications

Power output in kW (PS)	rpm	77 (105)/ 4000
Maximum torque	in Nm at rpm	240/ 1900
No. of cylinders/ capacity	in cm^3	4/ 1896
Fuel		Min. 51 CN[a)]

[a)] **C**etane- **N**umber (cetane index) = Measure of the diesel combustion power.

Performance figures

Maximum speed	in km/h	186
Acceleration from 0-80 km/h	in sec.	7,2
Acceleration from 0-100 km/h	in sec.	10,6

Weights

Gross vehicle weight	in kg	1626
Weight in running order (with driver)	in kg	1175
Gross front axle weight	in kg	940
Gross rear axle weight	in kg	780
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes, gradients up to 12%	580
Trailer with brakes, gradients up to 8%	1200
Trailer with brakes, gradients up to 12%	1200

Engine oil capacity

Approximate engine oil capacity with oil filter change	4.3 litres

Diesel engine 2.0 TDI CR 105 kW (143 PS)

Engine specifications

Power output in kW (PS)	rpm	105 (143)/ 4200
Maximum torque	in Nm at rpm	320/ 1750-2500
No. of cylinders/ capacity	in cm^3	4/ 1968
Fuel		Min. 51 CN[a)]

a) **C**etane- **N**umber (cetane index) = Measure of the diesel combustion power.

Performance figures

Maximum speed	in km/h	210
Acceleration from 0-80 km/h	in sec.	5,7
Acceleration from 0-100 km/h	in sec.	8,2

Weights

Gross vehicle weight	in kg	1696
Weight in running order (with driver)	in kg	1245
Gross front axle weight	in kg	950
Gross rear axle weight	in kg	820
Permitted roof load	in kg	75

Trailer weight

Trailer without brakes, gradients up to 12%	630
Trailer with brakes, gradients up to 8%	1300
Trailer with brakes, gradients up to 12%	1200

Engine oil capacity

Approximate engine oil capacity with oil filter change	4.8 litres

Dimensions and capacities

Dimensions		
Length, width	4,052 mm/ 1,693 mm	
Height at kerb weight	1,439 mm	
Front and rear projection	847 mm/ 735 mm	
Wheelbase	2,469 mm	
Turning circle	10.7 m	
Track width[a)]	**Front**	**Rear**
	1,463 mm	1,457 mm
Capacities		
Fuel tank	45 l. Reserve 7 l.	
Windscreen washer fluid container with headlight washer	2 l/ 4.5 l	
Tyre pressure		
Summer-grade tyres: The correct tyre pressure can be seen on the sticker on the inside of the tank flap. **Winter tyres:** The pressure of these tyres is the same as the summer tyre pressure plus 0.2 bar.		

a) This data will change depending on the type of wheel rim.

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