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CLK 63 AMG Black Series



Operator's Manual
CLK 63 AMG *Black Series*



Mercedes-Benz

CLK 63 AMG
Black Series

Our company and staff congratulate you on the purchase of your new Mercedes-Benz.

Your selection of our product is a demonstration of your trust in our company name. Furthermore, it exemplifies your desire to own an automobile that will be as easy as possible to operate and provide years of service.

Your Mercedes-Benz represents the efforts of many skilled engineers and craftsmen. To help assure your driving pleasure, and also the safety of you and your passengers, we ask you to make a small investment of time:

- Please read this manual carefully, then return it to your vehicle where it will be handy for your reference.
- Please follow the recommendations contained in this manual. They are designed to acquaint you with the operation of your Mercedes-Benz.
- Please pay attention to the warnings and cautions contained in this manual. They are designed to help improve the safety of the vehicle operator and occupants.

We extend our best wishes for many miles of safe, pleasurable driving.

Mercedes-Benz USA, LLC
A DaimlerChrysler Company

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▼ Product information

Please observe the following in your own best interest:

We recommend using Genuine Mercedes-Benz Parts as well as conversion parts and accessories explicitly approved by us for your vehicle model.

We have tested these parts to determine their reliability, safety and special suitability for Mercedes-Benz vehicles.

We are unable to make an assessment for other products and therefore cannot be held responsible for them, even if in individual cases an official approval or authorization by governmental or other agencies should exist. Use of such parts and accessories could adversely affect the safety, performance or reliability of your vehicle. Please do not use them.

Genuine Mercedes-Benz Parts as well as conversion parts and accessories approved by us are available at any authorized Mercedes-Benz Center where you will receive comprehensive information, also on permissible technical modifications, and where proper installation will be performed.

This Operator's Manual contains a great deal of useful information. We urge you to read it carefully and familiarize yourself with the vehicle before driving.

For your own safety and longer service life of the vehicle, we urge you to follow the instructions and warnings contained in this manual. Ignoring them could result in damage to the vehicle or personal injury to you or others. Vehicle damage caused by failure to follow instructions is not covered by the Mercedes-Benz Limited Warranty.

Your vehicle may have some or all of the equipment described in this manual. Therefore, you may find explanations for optional equipment not installed in your vehicle. If you have any questions about the operation of any equipment, any authorized Mercedes-Benz Center will be glad to demonstrate the proper procedures.

We continuously strive to improve our product, and ask for your understanding that we reserve the right to make changes in design and equipment. Therefore, information, illustrations and descriptions in this Operator's Manual might differ from your vehicle.

Optional equipment is also described in this manual, including operating instructions wherever necessary. Since they are special-order items, the descriptions and illustrations herein may vary slightly from the actual equipment of your vehicle.

If there are any equipment details that are not shown or described in this Operator's Manual, any authorized Mercedes-Benz Center will be glad to inform you of correct care and operating procedures. The Operator's Manual and Maintenance Booklet are important documents and should be kept with the vehicle.

Service and warranty information

The Service and Warranty Information Booklet contains detailed information about the warranties covering your Mercedes-Benz, including:

- New Car Limited Warranty
- Emission System Warranty
- Emission Performance Warranty
- California, Maine, Massachusetts, and Vermont Emission Control System Warranty (California, Maine, Massachusetts, and Vermont only)
- State Warranty Enforcement Laws (Lemon Laws)

Important notice for California retail buyers and lessees of Mercedes-Benz automobiles

Under California law you may be entitled to a replacement of your vehicle or a refund of the purchase price or lease price, if Mercedes-Benz USA, LLC and/or its authorized repair or service facilities fail to fix one or more substantial defects or malfunctions in the vehicle that are covered by its express warranty after a reasonable number of repair attempts. During the period of 18 months from original delivery of the vehicle or the accumulation of 18000 miles on the odometer of the vehicle, whichever occurs first, a reasonable number of repair attempts is presumed for a retail buyer or lessee if one or more of the following occurs:

- (1) the same substantial defect or malfunction results in a condition that is likely to cause death or serious bodily injury if the vehicle is driven, that defect or malfunction has been subject to repair two or more times, and you have directly notified Mercedes-Benz USA, LLC in writing of the need for its repair,
- (2) the same substantial defect or malfunction of a less serious nature than category (1) has been subject to repair four or more times and you have directly notified us in writing of the need for its repair, or
- (3) the vehicle is out of service by reason of repair of the same or different substantial defects or malfunctions for a cumulative total of more than 30 calendar days.

Written notification should not be sent to a dealer, it should be addressed to Mercedes-Benz USA, LLC Customer Assistance Center One Mercedes Drive Montvale, NJ 07645-0350

Maintenance

The Maintenance Booklet describes all the necessary maintenance work which should be performed at regular intervals.

Always have the Maintenance Booklet with you when you take the vehicle to an authorized Mercedes-Benz Center for service. The service advisor will record each service in the booklet for you.

Roadside Assistance

The Mercedes-Benz Roadside Assistance Program provides factory trained technical help in the event of a breakdown. Calls to the toll-free Roadside Assistance number

1-800-FOR-MERCEdes (in the USA)

will be answered by Mercedes-Benz Customer Assistance Representatives 24 hours a day, 365 days a year.

For additional information refer to the Mercedes-Benz Roadside Assistance Program Brochure in your vehicle literature portfolio.

Change of address or ownership

If you change your address, be sure to send in the "Change of Address Notice" found in the Service and Warranty Information Booklet, or simply call the Mercedes-Benz Customer Assistance Center (in the USA) at 1-800-FOR-MERCEdes. It is in your own interest that we can contact you should the need arise.

If you sell your Mercedes, please leave all literature with the vehicle to make it available to the next operator.

If you bought this vehicle used, be sure to send in the "Notice of Purchase of Used Car" found in the Service and Warranty Information Booklet, or call the Mercedes-Benz Customer Assistance Center (in the USA) at 1-800-FOR-MERCEdes.

Operating your vehicle outside the USA

If you plan to operate your vehicle in foreign countries, please be aware that:

- service facilities or replacement parts may not be readily available,
- unleaded gasoline for vehicles with catalytic converters may not be available; the use of leaded fuels will damage the catalysts,
- gasoline may have a considerably lower octane rating, and improper fuel can cause engine damage.

Certain Mercedes-Benz models are available for delivery in Europe under our European Delivery Program. For details, consult an authorized Mercedes-Benz Center or write to:

In the USA:

Mercedes-Benz USA, LLC
European Delivery Department
One Mercedes Drive
Montvale, NJ 07645-0350

Where to find it

This Operator's Manual is designed to provide comprehensive support information for you, the vehicle operator. Each section has its own reference color.

At a glance

Here you will find an overview of your vehicle's interior and exterior main features.

Getting started

Here you will find all the information you need for your first drive. You should read this section first if this is your first Mercedes-Benz vehicle or if you are renting or borrowing this vehicle.

Safety and Security

Here you will find descriptions of the safety and security features of your vehicle.

Controls in detail

Here you will find detailed information about the equipment installed in your vehicle. This section expands on the "Getting started" section and also describes technical innovations. If you are already familiar with the basic functions of your vehicle, this section will be of particular interest to you.

Operation

Here you will find all the information you need for the proper operation of your vehicle.

Practical hints

This section provides fast assistance for dealing with problems you may encounter.

Technical data

All important technical data for your vehicle can be found in this section.

Indexes

The table of contents and the index are designed to help you find information quickly and easily.

The following publications are part of your vehicle documentation:

- this Operator's Manual
- the Maintenance Booklet

Separate operating instructions will be provided as required depending on the equipment options installed in your vehicle.

▼ Symbols

Trademarks:

- ESP® is a registered trademark of DaimlerChrysler.
- HomeLink® is a registered trademark of Prince, a Johnson Controls Company.

The following symbols are found in this Operator's Manual:

- * Optional equipment is identified with an asterisk. Since standard equipment varies between models, the descriptions and illustrations in this manual may differ slightly from the actual equipment of your vehicle.

Warning!



Warning notices draw your attention to hazards that may endanger your health or life, or the health or life of others.

! *Highlights hazards that may result in damage to your vehicle.*

i *Helpful hints or further information you may find useful.*

- ▶ This symbol points to instructions for you to follow.
- ▶ A number of these symbols appearing in succession indicates a multiple-step procedure.
- ▷ Page This symbol tells you where to look for further information on a topic.
- ▷▷ This continuation symbol marks a warning which is continued on the next page.
- ▷▷ This continuation symbol marks a procedure which is continued on the next page.
- > This symbol is used to indicate cross-references to term definitions.
- Display Words appearing in the multi-function display are printed in the type shown here.

Warning!



Work improperly carried out on electronic components and associated software could cause them to cease functioning. Because the vehicle's electronic components are interconnected, any modifications made may produce an undesired effect on other systems. Electronic malfunctions could seriously impair the operating safety of your vehicle.

See an authorized Mercedes-Benz Center for repairs or modifications to electronic components.

Other improper work or modifications on the vehicle could also have a negative impact on the operating safety of the vehicle.

Some safety systems only function while the engine is running. You should therefore never turn off the engine while driving.

Warning!



Heavy blows against the vehicle underbody or tires / wheels, for example when running over an obstacle, road debris or a pothole, may cause serious damage to and impair the operating safety of your vehicle. If you feel a sudden significant vibration or ride disturbance, or you suspect that damage to your vehicle has occurred, you should turn on your hazard warning flashers, carefully slow down, and drive with caution to an area which is a safe distance from the road.

Inspect the vehicle underbody and tires/wheels for possible damage. If the vehicle appears unsafe, have it towed to the nearest authorized Mercedes-Benz Center or other qualified maintenance or repair facility for further inspection or repairs.

Proper use of the vehicle

Proper use of the vehicle requires that you are familiar with the following information and rules:

- the safety precautions in this manual
- the “Technical data” section in this manual
- traffic rules and regulations
- motor vehicle laws and safety standards

Warning!



Various warning labels are attached to your vehicle. These warning labels are intended to make you and others aware of various risks. You should not remove any of these warning labels unless explicitly instructed to do so by information on the label itself. Removal of any of these labels may cause you and others to be unaware of certain risks which may result in an accident and/or personal injury.

▼ Problems with your vehicle

If you should experience a problem with your vehicle, particularly one that you believe may affect its safe operation, we urge you to immediately contact an authorized Mercedes-Benz Center to have the problem diagnosed and corrected if required. If the matter is not handled to your satisfaction, please discuss the problem with the Mercedes-Benz Center management, or if necessary contact us at one of the following addresses:

Customer Assistance Center
Mercedes-Benz USA, LLC
One Mercedes Drive
Montvale, NJ 07645-0350

Reporting safety defects

The following text is published as required of manufacturers under Title 49, Code of U.S. Federal Regulations, Part 575 pursuant to the “National Traffic and Motor Vehicle Safety Act of 1966”.

Reporting safety defects

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Mercedes-Benz USA, LLC.

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

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-426-9153); go to <http://www.safercar.gov>; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

▼ Vehicle data recording

Information regarding electronic recording devices

(Including notice pursuant to California Code § 9951)

Please note that your vehicle is equipped with devices that can record vehicle systems data and, if equipped with the Tele Aid system, may transmit some data in certain accidents.

This information helps, for example, to diagnose vehicle systems after a collision and to continuously improve vehicle safety. DaimlerChrysler may access the information and share it with others

- for safety research or vehicle diagnosis purposes
- with the consent of the vehicle owner or lessee
- in response to an official request by law enforcement or other government agency
- for use in dispute resolution involving DaimlerChrysler, its affiliates or sales/service organization and/or
- as otherwise required or permitted by law.

Please check the Tele Aid subscription service agreement for details regarding the information that may be recorded or transmitted via that system.

Exterior view

Cockpit

Instrument cluster

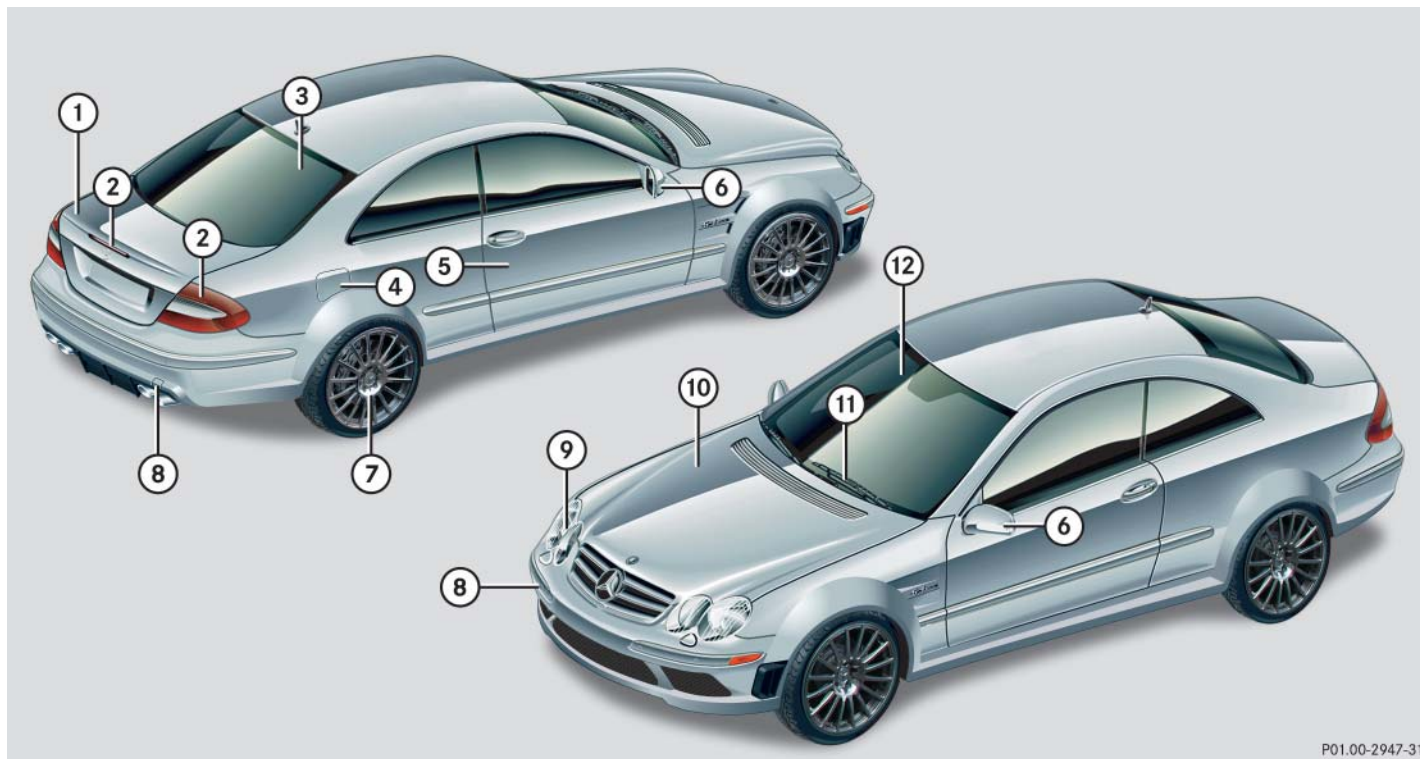
Multifunction steering wheel

Center console

Overhead control panel

Door control panel



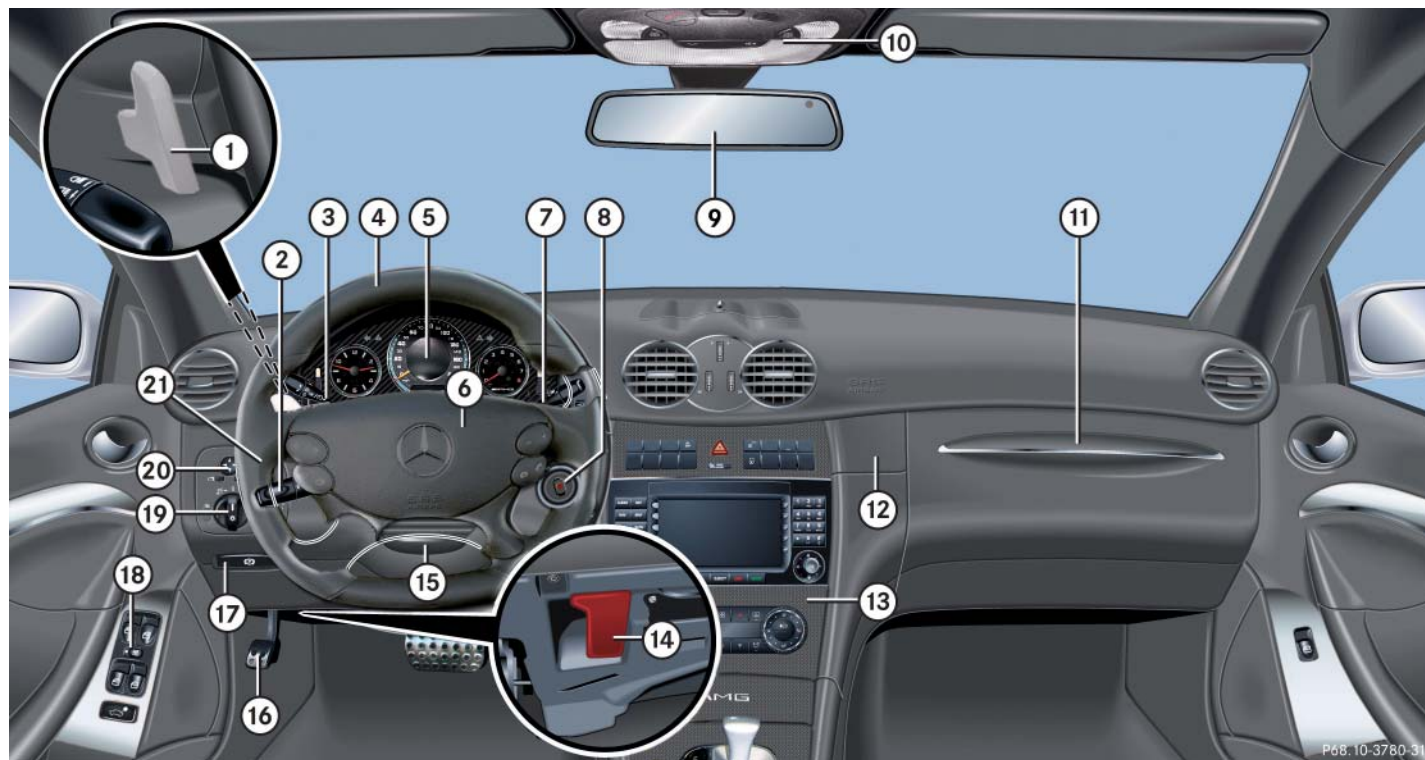


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



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Instrument cluster







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¹ Warning lamp without function. It illuminates with the ignition on. It should go out when the engine is running.



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Multifunction steering wheel



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¹ Button without function.

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	 for next menu	
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▼ Center console

Upper part

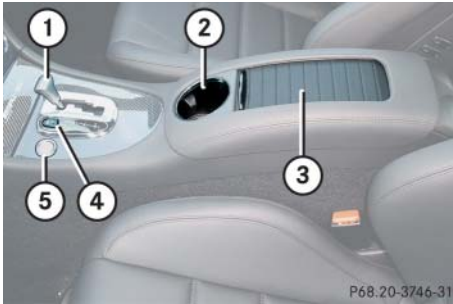


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Center console

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Unlocking

Adjusting

Driving

Parking and locking



Unlocking





The “Getting started” section provides an overview of the vehicle’s most basic functions. First-time Mercedes-Benz owners should pay special attention to the information given here.

If you are already familiar with the basic functions described here, the “Controls in detail” section will provide you with further information. The corresponding page references are located at the end of each segment.

Unlocking with the SmartKey




SmartKey with remote control

- ①  Lock button
- ②  Opening button for trunk
- ③  Unlock button
- ④  Panic button (▷ page 78)

Warning!



When leaving the vehicle, always remove the SmartKey from the starter switch, take it with you, and lock the vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle. A child’s unsupervised access to a vehicle could result in an accident and/or serious personal injury.

- ▶ Press unlock button  on the SmartKey.
 - All turn signal lamps flash once.
 - An acoustic signal sounds once. For more information, see “Factory setting” (▷ page 90).
 - The locking knobs in the doors move up.
 - The anti-theft alarm system is disarmed.

- ▶ Enter the vehicle and insert the SmartKey in the starter switch.

Opening a door causes the windows on that side of the car to open slightly. They will fully close when the door is shut.

For more information, see “SmartKey” (▷ page 88).

Starter switch positions

Warning!



When leaving the vehicle, always remove the SmartKey from the starter switch, take it with you, and lock the vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle. A child's unsupervised access to a vehicle could result in an accident and/or serious personal injury.

SmartKey



Starter switch

- 0** For removing SmartKey
The steering is locked when the SmartKey is removed from the starter switch.
- 1** Power supply for some electrical consumers, such as seat adjustment
- 2** Ignition (power supply for all electrical consumers) and driving position
All lamps (except low beam headlamp indicator lamp, high beam headlamp indicator lamp, and turn signal indicator lamps unless activated) in the instrument cluster come on. If a lamp in the instrument cluster fails to come on

when the ignition is switched on, have it checked and replaced if necessary. If a lamp in the instrument cluster remains on after starting the engine or comes on while driving, refer to “Lamps in instrument cluster” (▷ page 262).

3 Starting position

i When you switch on the ignition, the indicator and warning lamps (except low beam headlamp indicator lamp, high beam headlamp indicator lamp, and turn signal indicator lamps unless activated) in the instrument cluster come on. The indicator and warning lamps (except low beam headlamp indicator lamp, high beam headlamp indicator lamp, and turn signal indicator lamps if activated) will go out when the engine is running. This indicates that the respective systems are operational.

i The SmartKey can only be removed from the starter switch with the gear selector lever in position **P**.

i If the SmartKey is left in starter switch position **0** for an extended period of time, it can no longer be turned in the switch. In this case, the steering is locked. To unlock, remove SmartKey from starter switch and reinsert.

Unlocking

! If the SmartKey cannot be turned in the starter switch, the battery may not be sufficiently charged.

- Check the battery and charge it if necessary (▷ page 322).
- Get a jump start (▷ page 328).

To prevent accelerated battery discharge or a completely discharged battery, always remove the SmartKey from the starter switch when the engine is not in operation.

For more information, see “SmartKey” (▷ page 88).

For information on starting the engine using the SmartKey, see “Starting with the SmartKey” (▷ page 47).

Engine start/stop button

If the SmartKey is inside the vehicle, pressing the engine start/stop button on the lower part of the center console corresponds to turning the SmartKey to the various starter switch positions.

i If the SmartKey is inserted in the starter switch, it overrides the engine start/stop button.

If you firmly depress the brake pedal during pressing the engine start/stop button, the engine starts automatically.



① Engine start/stop button

The SmartKey must be located in the vehicle.

- ▶ Make sure the gear selector lever is set to **P**.
- ▶ Do not depress the brake pedal.

Position 0

Before you press the engine start/stop button, the vehicle's on-board electronics have status **0** (as with SmartKey removed).

Position 1

- ▶ Press engine start/stop ① button once.

This supplies power for some electrical consumers, such as seat adjustment.

i If you now press the engine start/stop button

- once again, the ignition (position **2**) is switched on
- twice, the power supply is again switched off

Ignition (or position 2)

- ▶ Press engine start/stop ① button twice.

This supplies power for all electrical consumers. All the lamps (except low beam headlamp indicator lamp, high beam headlamp indicator lamp, and turn signal indicator lamps unless activated) in the instrument cluster come on. If a lamp in the instrument cluster fails to come on when the ignition is switched on, have it checked and replaced if necessary. If a lamp in the instrument cluster remains on after starting the engine or comes on while driving, refer to “Lamps in instrument cluster” (▷ page 262).

- i** If you now press the engine start/stop button once, the power supply is again switched off.

i When you switch on the ignition, the indicator and warning lamps (except low beam headlamp indicator lamp, high beam headlamp indicator lamp, and turn signal indicator lamps unless activated) in the instrument cluster come on. The indicator and warning lamps (except low beam headlamp indicator lamp, high beam headlamp indicator lamp, and turn signal indicator lamps if activated) will go out when the engine is running. This indicates that the respective systems are operational.

i If the engine has been started using the engine start/stop button, you can stop the engine with the start/stop button as well. You can stop the engine with the SmartKey, if it is inserted in the starter switch and the gear selector lever is in position **P**. If this is the case, the inserted SmartKey overrides the engine start/stop button and the vehicle's on-board electronics have the status corresponding to the position of the SmartKey in the starter switch.

For information on starting the engine using the engine start/stop button, see “Starting with the engine start/stop button” (▷ page 47).

Adjusting

Warning!



All seat, steering wheel, and rear view mirror adjustments, as well as fastening of seat belts, must be done before the vehicle is put into motion.

Seats

Warning!



Do not adjust the driver's seat while driving. Adjusting the seat while driving could cause the driver to lose control of the vehicle.

Never ride in a moving vehicle with the seat back in an excessively reclined position as this can be dangerous. You could slide under the seat belt in a collision. If you slide under it, the belt would apply force at the abdomen or neck. That could cause serious or fatal injuries. The seat back and seat belts provide the best restraint when the wearer is in a nearly upright position and belts are properly positioned on the body.

Your seat must be adjusted so that you can correctly fasten your seat belt (▷ page 43).

Observe the following points:

- Adjust the seat backrest until your arms are slightly angled when holding the steering wheel.
- Adjust the seat to a comfortable seating position that still allows you to reach the accelerator/brake pedal safely. The position should be as far back as possible with the driver still able to operate controls properly.
- Never place hands under the seat or near any moving parts while a seat is being adjusted.

Failure to do so could result in an accident and/or serious personal injury.

Warning!

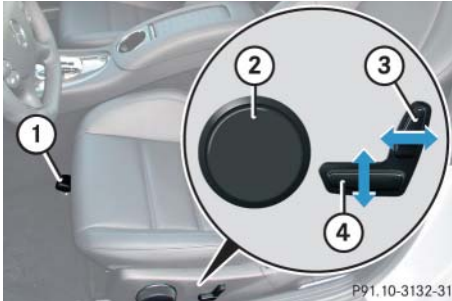


Children 12 years old and under must be seated and properly secured in an appropriately sized infant restraint, toddler restraint, or booster seat recommended for the size and weight of the child. For additional information, see “Children in the vehicle” (▷ page 75).

A child's risk of serious or fatal injuries is significantly increased if the child restraints are not properly secured in the vehicle and/or the child is not properly secured in the child restraint.

Seat adjustment

The seat adjustment switches are located on the outer side of each seat.



- ① Seat fore and aft adjustment
- ② Seat cushion tilt
- ③ Seat backrest tilt
- ④ Seat height

! When moving the seat, make sure there are no items in the footwell or behind the seats; otherwise you could damage the seats.

Seat fore and aft adjustment

- ▶ Lift handle ①.
- ▶ Slide seat to the desired position.
- ▶ Check for proper engagement before driving.

Seat cushion tilt

- ▶ Turn handwheel ② forward or backward until your upper legs are lightly supported.

Seat backrest tilt

- ▶ Switch on the ignition (▷ page 35).
- ▶ Press switch forward or backward in the direction of arrow ③ until your arms are slightly angled when holding the steering wheel.

Seat height

- ▶ Switch on the ignition (▷ page 35).
- ▶ Press switch up or down in the direction of arrow ④.

Adjusting

Steering wheel

Warning!



Only adjust the steering wheel with the vehicle at a standstill and make sure the steering wheel is securely locked in place before driving off.

Driving without the steering wheel adjustment locked may cause an unexpected steering wheel movement which could cause the driver to lose control of the vehicle. Make sure the steering wheel is securely locked by trying to move it up and down, and in and out before driving off.

Make sure that

- you can reach the steering wheel with your arms slightly bent at the elbows
- you can move your legs freely
- all displays (including malfunction and indicator lamps) on the instrument cluster are clearly visible

The steering wheel adjustment release handle is located below the steering column.



① Release handle

- ▶ To unlock the steering column, pull release handle ① out to its stop limit.

- ▶ Move steering wheel to the desired position.
- ▶ Push release handle ① back to its original position to relock the steering column.

The steering column is locked into position again.

- ▶ Make sure the steering column is securely locked by trying to move the steering wheel up and down as well as in and out before driving off.

Mirrors

Adjust the interior and exterior rear view mirrors before driving so that you have a good view of the road and traffic conditions.

Interior rear view mirror

- ▶ Manually adjust the interior rear view mirror.

For more information, see “Rear view mirrors” (▷ page 147).

Exterior rear view mirrors

Warning!



Exercise care when using the passenger-side exterior rear view mirror. The mirror surface is convex (outwardly curved surface for a wider field of view). Objects in mirror are closer than they appear. Check your interior rear view mirror or glance over your shoulder before changing lanes.

The buttons are located above the exterior lamp switch.



- ① Adjustment button
 - ② Passenger-side exterior rear view mirror button
 - ③ Driver's side exterior rear view mirror button
- ▶ Switch on the ignition (▷ page 35). ▷▷

Adjusting

- ▷▷▶ Press button ③ for the driver's side exterior rear view mirror or button ② for the passenger-side exterior rear view mirror.
- ▶ Push adjustment button ① up, down, left, or right, according to the desired setting.

! *If an exterior rear view mirror was forcibly pushed forward (hit from the rear) or forcibly pushed rearward (hit from the front), reposition it by applying firm pressure until it snaps into place. The mirror housing is now properly positioned and you can adjust the mirror normally.*

i *At low ambient temperatures, the exterior rear view mirrors will be heated automatically.*

For more information, see “Rear view mirrors” (▷ page 147).

▼ Driving

Warning!



Make sure absolutely no objects are obstructing the pedals' range of movement. Keep the driver's footwell clear of all obstacles. If there are any floor mats or carpets in the footwell, make sure the pedals still have sufficient clearance.

During sudden driving or braking maneuvers, the objects could get caught between or beneath the pedals. You could then no longer brake or accelerate. This could lead to accidents and injury.

Fastening the seat belts

Warning!



Always fasten your seat belt before driving off. Always make sure your passenger is properly restrained.

Failure to wear and properly fasten and position your seat belt greatly increases your risk of injuries and their likely severity in an accident. You and your passenger should always wear seat belts.

If you are ever in an accident, your injuries can be considerably more severe without your seat belt properly buckled. Without your seat belt buckled, you are much more likely to hit the interior of the vehicle or be ejected from it. You can be seriously injured or killed.

In the same crash, the possibility of injury or death is lessened if you are wearing your seat belt. The air bags can only provide the protection they were designed to afford if the occupants are using their seat belts (▷ page 71).

Warning!



Children 12 years old and under must be seated and properly secured in an appropriately sized infant restraint, toddler restraint, or booster seat recommended for the size and weight of the child. For additional information, see "Children in the vehicle" (▷ page 75).

A child's risk of serious or fatal injuries is significantly increased if the child restraints are not properly secured in the vehicle and/or the child is not properly secured in the child restraint.

Driving

Warning!



Never let more people ride in the vehicle than there are seat belts available. Be sure everyone riding in the vehicle is correctly restrained with a separate seat belt. Never use a seat belt for more than one person at a time.

Warning!



Never ride in a moving vehicle with the seat backrest in an excessively reclined position as this can be dangerous. You could slide under the seat belt in a collision. If you slide under it, the belt would apply force at the abdomen or neck. This could cause serious or even fatal injuries. The seat backrest and seat belt provide the best restraint when the wearer is in a nearly upright position and the belt is properly positioned on the body.

Warning!



Read and observe the additional warning notices printed in the “Safety and Security” section (▷ page 64).

The seat belt presenter for driver and passenger makes it easier to put on the seat belt.



① Seat belt presenter

Seat belt presenter ① slides out when the corresponding door is closed and the ignition is switched on.

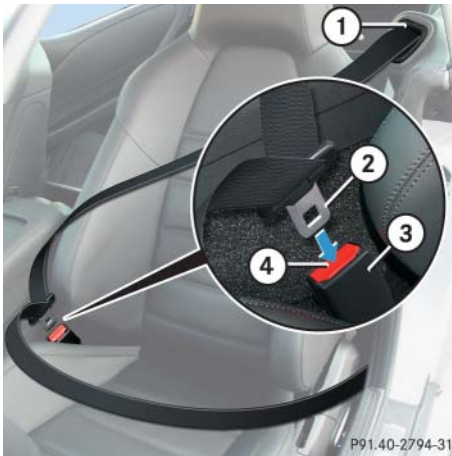
The seat belt presenter slides back:

- right after you push latch plate ① into buckle ③ (▷ page 45) and hear it click.
- after approximately 60 seconds if you do not push latch plate ① into buckle ③ (▷ page 45).
- if the respective door is opened.
- if you turn the SmartKey in the starter switch to position 0.

Warning!



The seat belt presenter must be retracted while the vehicle is in motion. Only when the seat belt presenter is retracted can the seat belt be properly positioned on the body and protect the occupant as intended.



- ① Seat belt presenter
- ② Latch plate
- ③ Buckle
- ④ Release button

- ▶ With a smooth motion, pull the belt out of seat belt presenter ①.
- ▶ Place the shoulder portion of the belt across the top of your shoulder and the lap portion across your hips.
- ▶ Push latch plate ② into buckle ③ until it clicks.
- ▶ If necessary, tighten the lap portion to a snug fit by pulling shoulder portion up.

Proper use of seat belts

- Do not twist the belt when fastening.
- Adjust seat belt so that the shoulder portion is located as close as possible to the middle of the shoulder (it should not touch the neck). Never pass the shoulder portion of the belt under your arm.
- Position the lap belt as low as possible on your hips (over hip joint) and not across the abdomen.
- Place the seat backrest in a position that is as upright as possible.
- Never use a seat belt for more than one person at a time.
- Do not fasten a seat belt around a person and another object at the same time. When using a seat belt to secure infant or toddler restraints or children in booster seats, always follow the child seat manufacturer's instructions.
- Check your seat belt periodically during travel to make sure it is properly positioned.
- Make sure the seat belt is always fitted snugly. Take special care of this when wearing loose clothing.

Warning!



Do not pass belts over sharp edges. They could tear.

Do not allow the belt to get caught in the door or in the seat adjustment mechanism. This could damage the belt.

Never attempt to make modifications to seat belts. This could impair the effectiveness of the belts.

Do not bleach or dye seat belts as this may severely weaken them. In a crash they may not be able to provide adequate protection.

Damaged seat belts or belts that were highly stressed in an accident must be replaced. Contact an authorized Mercedes-Benz Center.

Starting the engine

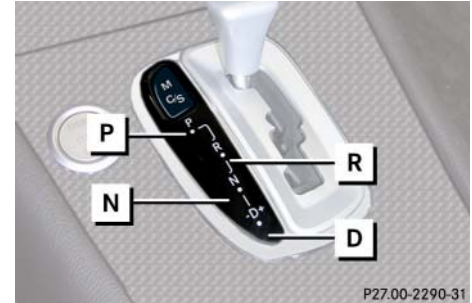
Warning!



Inhalation of exhaust gas is hazardous to your health. All exhaust gas contains carbon monoxide (CO), and inhaling it can cause unconsciousness and possible death.

Do not run the engine in confined areas (such as a garage) which are not properly ventilated. If you think that exhaust gas fumes are entering the vehicle while driving, have the cause determined and corrected immediately. If you must drive under these conditions, drive only with at least one window fully open.

Automatic transmission



Gearshift pattern for automatic transmission

- P** Park position with gear selector lever lock
- R** Reverse gear
- N** Neutral
- D** Drive position

For more information, see “Automatic transmission” (▷ page 134).

Starting with the SmartKey

- ▶ Make sure the gear selector lever is set to **P**.
- ▶ Do not depress accelerator.
- ▶ Turn the SmartKey in the starter switch to position **3** (▷ page 35) and hold until the engine starts.

i You can also use the “touch-start” function. Turn the SmartKey to position **3** and release it again immediately. The engine then starts automatically.

For information on turning off the engine with the SmartKey, see (▷ page 56).

Starting with the engine start/stop button

Warning!



As long as the SmartKey is in your vehicle, the vehicle can be started using the engine start/stop button. Therefore, never leave children unattended in the vehicle, as they could otherwise accidentally start the engine.

When leaving the vehicle, always take the SmartKey with you and lock the vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle.

You can start your vehicle without the SmartKey in the starter switch using the engine start/stop button on the lower part of the center console.

The SmartKey must be located in the vehicle.

- ▶ Make sure the gear selector lever is set to **P**.
- ▶ Do not depress accelerator.
- ▶ Depress the brake pedal during the starting procedure.

The gear selector lever lock is released.▷▷



① Engine start/stop button

- ▶ Press engine start/stop button ① once.

The engine starts if the SmartKey is in the vehicle.

For information on turning off the engine with the engine start/stop button, see (▷ page 57).

Starting difficulties

If the SmartKey is left in starter switch position **0** for an extended period of time, it can no longer be turned in the switch. In this case, the steering is locked.

- ▶ To unlock, remove the SmartKey from starter switch and reinsert.

If the engine does not start as described, carry out the following steps:

- ▶ If you are starting the engine with the SmartKey: Turn the SmartKey in starter switch to position **0** and repeat starting procedure (▷ page 47).
- ▶ If you are starting the engine with the engine start/stop button: Close any doors that may be open to allow for better detection of the SmartKey.
Or:
Start the engine with the SmartKey as radio signals from another source may be interfering with the SmartKey.

- ▶ Repeat the starting procedure.

Remember that extended starting attempts can drain the battery.

- ▶ Get a jump start (▷ page 328).

If the engine does not start after several starting attempts, there could be a malfunction in the engine electronics or in the fuel supply system.

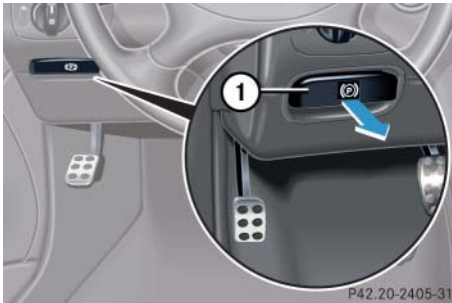
- ▶ Contact an authorized Mercedes-Benz Center or call Roadside Assistance.

Parking brake

Warning!



When leaving the vehicle, always remove the SmartKey from the starter switch, take it with you, and lock the vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle. Children could release the parking brake, which could result in an accident and/or serious personal injury.



① Release handle

- ▶ Release the parking brake by pulling on release handle ①.

The indicator lamp **BRAKE** in the clock goes out.

Driving

- ▶ Depress the brake pedal.
The gear selector lever lock is released.
- ▶ Place the gear selector lever in position **D** or **R**.

Warning!



It is dangerous to shift the gear selector lever out of **P** or **N** if the engine speed is higher than idle speed. If your foot is not firmly on the brake pedal, the vehicle could accelerate quickly forward or in reverse. You could lose control of the vehicle and hit someone or something. Only shift into gear when the engine is idling normally and when your right foot is firmly on the brake pedal.

Warning!



On slippery road surfaces, never downshift in order to obtain braking action. This could result in drive wheel slip and reduced vehicle control. Your vehicle's ABS will not prevent this type of loss of control.

! *In order to avoid damage to the transmission:*

- *Wait for the gear selection process to complete before setting the vehicle in motion.*
- *Place the gear selector lever in position **D** or **R** only when the vehicle is stopped.*

- ▶ Release the brake pedal.
- ▶ Carefully depress the accelerator pedal.

! *If you hear a warning signal and the message **Release Parking Brake** appears in the multifunction display when driving off, you have forgotten to release the parking brake.*

Release the parking brake (▷ page 49).



Driving

▷▷ **i** At vehicle speeds of approximately 9 mph, the automatic central locking system engages and the locking knobs drop down.

The automatic door lock feature can be deactivated (▷ page 131).

You can open a locked door from the inside. Open a door only when conditions are safe to do so.

After a cold start, the automatic transmission shifts at a higher engine revolution. This allows the catalytic converter to reach its operating temperature earlier.

! Do not run cold engine at high engine speed. Running a cold engine at high engine speed may shorten the service life of the engine.

! At low engine temperatures below +68°F, the engine's maximum speed is restricted in order to protect it from damage. Avoid driving your vehicle at full speed when the engine is cold to prevent premature engine wear and/or diminished comfort.

! Simultaneously depressing the accelerator pedal and applying the brakes reduces engine performance and causes premature brake and drivetrain wear.

For more information on driving, see “Driving instructions” (▷ page 191).


Switching on headlamps

Low beam headlamps


The exterior lamp switch is located on the dashboard to the left of the steering wheel.



Exterior lamp switch

1	0	Off
2		Low beam headlamps or high beam headlamps

▶ Turn the exterior lamp switch to position .

The low beam headlamps and the low beam headlamp indicator lamp  in the instrument cluster comes on (▷ page 26).

High beam


The combination switch is located on the left of the steering column.



Combination switch

- ① High beam
- ② High beam flasher

- ▶ Push the combination switch in direction of arrow ①.

The high beam headlamps and the high beam headlamp indicator lamp  in the instrument cluster comes on (▷ page 26).

For more information on headlamps, see “Lighting” (▷ page 99).

Turn signals



The combination switch is located on the left of the steering column.



Combination switch

- ① Turn signals, right
- ② Turn signals, left

- ▶ Press the combination switch in direction of arrow ① or ②.

The corresponding turn signal indicator lamp  or  in the instrument cluster flashes (▷ page 26).

The combination switch resets automatically after major steering wheel movement.

i To signal minor directional changes such as changing lanes, press the combination switch only to point of resistance and release. The corresponding turn signals will flash three times.

Windshield wipers

The combination switch is located on the left of the steering column.



Combination switch

- ① Switching on windshield wipers
 - ② Single wipe
Wiping with windshield washer fluid
- ▶ Switch on the ignition (▷ page 35).

Driving

! Do not operate the windshield wipers when the windshield is dry. Dust that accumulates on a windshield might scratch the glass and/or damage the wiper blades when wiping occurs on a dry windshield. If it is necessary to operate the windshield wipers in dry weather conditions, always operate the windshield wipers with washer fluid (▷ page 53).

! If anything blocks the windshield wipers (leaves, snow, etc.), switch them off immediately.

- For safety reasons, stop the vehicle in a safe location and

- remove the SmartKey from the starter switch

or

- turn off the engine by pressing the engine start/stop button and open the driver's door (with the driver's door open, starter switch is in position **0**, same as with the SmartKey removed from starter switch)

before attempting to remove any blockage.

- Remove blockage.
- Turn the windshield wipers on again.

If the windshield wipers fail to function at all in combination switch position **I**,

- set the combination switch to the next higher wiper speed
- have the windshield wipers checked at the nearest authorized Mercedes-Benz Center

Switching on windshield wipers

- ▶ Turn the combination switch to the desired position depending on the intensity of the rain.

0 Windshield wipers off

I Intermittent wiping

II Normal wiper speed

III Fast wiper speed

Intermittent wiping

! Do not leave windshield wipers in intermittent setting when the vehicle is taken to an automatic car wash or during windshield cleaning. Windshield wipers will operate in the presence of water sprayed on the windshield, and windshield wipers may be damaged as a result.

! If you have set intermittent wiping, dirt on the surface of the rain sensor or optical effects may cause the windshield wipers to wipe in an undesired fashion. This could then damage the windshield wiper blades or scratch the windshield. You should therefore switch off the windshield wipers when weather conditions are dry.

Intermittent wiping interval is dependent on wetness of windshield.

- ▶ Turn the combination switch to position **I**.

After the initial wipe, pauses between wipes are automatically controlled by the rain sensor.

i *Intermittent wiping is interrupted when the vehicle is at a standstill and a door is opened. This protects persons getting into or out of the vehicle from being sprayed.*

Intermittent wiping will be continued when all doors are closed and

- *the gear selector lever is in position **D** or **R***
or
- *the wiper setting is changed using the combination switch*

Single wipe

- ▶ Press the combination switch briefly in direction of arrow ② (▷ page 51) to the resistance point.

The windshield wipers wipe one time without washer fluid.

Wiping with windshield washer fluid

- ▶ Press the combination switch in direction of arrow ② (▷ page 51) past the resistance point.

The windshield wipers operate with washer fluid.

i *To prevent smears on the windshield, or noisy/chattering wiper blades, wipe with washer fluid every now and then even when it is raining.*

For information on filling up the washer reservoir, see “Windshield washer system and headlamp cleaning system” (▷ page 210).

Problems while driving

The engine runs erratically and misfires

- An ignition cable may be damaged.
 - The engine electronics may not be operating properly.
 - Unburned gasoline may have entered the catalytic converter and damaged it.
- ▶ Give very little gas.
 - ▶ Have the problem repaired by an authorized Mercedes-Benz Center as soon as possible.

Driving

The coolant temperature is above 248°F

The coolant is too hot and is no longer cooling the engine.

- ▶ Stop the vehicle in a safe location as soon as possible and turn off the engine. Allow engine and coolant to cool off.
- ▶ Check the coolant level and add coolant if necessary (▷ page 208).

In case of accident

If the vehicle is leaking gasoline:

- ▶ Do not start the engine under any circumstances.
- ▶ Notify local fire and/or police authorities.

If the extent of the damage cannot be determined:

- ▶ Contact an authorized Mercedes-Benz Center or call Roadside Assistance.

If no damage can be determined on the

- major assemblies
- fuel system
- engine mount:
- ▶ Start the engine in the usual manner.

▼ Parking and locking

You have now completed your first drive. You have properly stopped and parked your vehicle. End your drive as follows.

Warning!



With the engine not running, there is no power assistance for the brake and steering systems. In this case, it is important to keep in mind that a considerably higher degree of effort is necessary to brake and steer the vehicle.

Warning!



Do not park this vehicle in areas where combustible materials such as grass, hay or leaves can come into contact with the hot exhaust system, as these materials could be ignited and cause a vehicle fire.

To reduce the risk of personal injury, or damage to the vehicle drivetrain, as a result of vehicle movement, before turning off the engine and leaving the vehicle always:

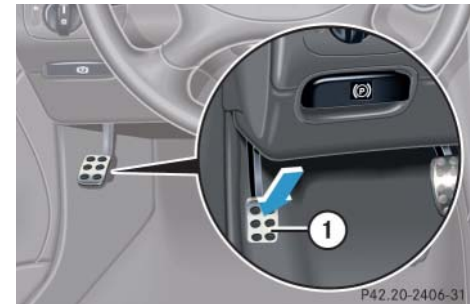
- Keep right foot firmly on brake pedal.
- Firmly depress parking brake pedal.
- Move the gear selector lever to position **P**.
- Slowly release brake pedal.
- When parked on an incline, always turn the front wheels towards the road curb.
- Turn the SmartKey in the starter switch to position **0** and remove, or press engine start/stop button.
- Take the SmartKey with you and lock the vehicle when leaving.

Parking brake

Warning!



Engaging the parking brake while the vehicle is in motion can cause the rear wheels to lock up. You could lose control of the vehicle and cause an accident. In addition, the vehicle's brake lights do not light up when the parking brake is engaged.



① Parking brake pedal

Parking and locking

- ▶ Step firmly on parking brake pedal ①.

When the engine is running, the warning lamp **BRAKE** in the clock will be illuminated.

Warning!



When leaving the vehicle, always remove the SmartKey from the starter switch, take it with you, and lock the vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle. Children could release the parking brake and/or move the gear selector lever from park position **P**, either of which could result in an accident and/or serious personal injury.

Getting out of your vehicle with the gear selector lever not fully engaged in park position **P** is dangerous. Also, when parked on an incline, park position **P** alone may not prevent your vehicle from moving, possibly hitting people or objects.

Always set the parking brake in addition to shifting to position **P** (▷ page 136).

When parked on an incline, turn front wheels towards the road curb.

Switching off headlamps

- ▶ Turn the exterior lamp switch to **0** (▷ page 99).

Turning off the engine

- ▶ Place the gear selector lever in position **P**.
- ▶ Apply the parking brake (▷ page 55).

i Always set the parking brake in addition to shifting to position **P**.

When parked on an incline, also turn front wheels towards the curb.

Turning off the engine with the SmartKey

- ▶ Turn the SmartKey in the starter switch to position **0** (▷ page 35).
- ▶ Remove the SmartKey from the starter switch.
The immobilizer is activated.

i The SmartKey can only be removed from the starter switch with the gear selector lever in position **P**.

Turning off the engine with the engine start/stop button

- ▶ Press the engine start/stop button to shut off the engine.

With the driver's door closed, the starter switch is now in position **1**. With the driver's door opened, the starter switch is set to position **0**, same as SmartKey removed from starter switch (▷ page 35).

i If you hear a warning signal, you have tried to turn off the engine while the gear selector lever was not in position **P**.

In addition, the message **Selector Lever In Park** appears in the multifunction display.

Place the gear selector lever in position **P**.

Releasing seat belts

- ▶ Press the seat belt release button (▷ page 45).

Allow the retractor to completely rewind the seat belt by guiding the latch plate.

! *Make sure the seat belt retracts fully so that the seat belt and/or latch plate cannot get caught or pinched in the door or in the seat mechanism. This can damage the seat belt and impair the effectiveness of the seat belt, and/or cause damage to the door and/or door trim panel. Such damage is not covered by the Mercedes-Benz Limit Warranty.*

Damaged seat belts must be replaced. Contact an authorized Mercedes-Benz Center.

Locking

Warning!



To prevent possible personal injury, always keep hands and fingers away from the door openings when closing the doors. Be especially careful when small children are around.

Before closing doors, make sure there is no possibility of someone getting caught in a door during closing.

Warning!



When leaving the vehicle, always remove the SmartKey from the starter switch, take it with you, and lock the vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle. A child's unsupervised access to a vehicle could result in an accident and/or serious personal injury.

Parking and locking

- ▶ Exit the vehicle and close all doors and the trunk lid.

i *If you hear a warning signal, you have forgotten to switch off the low beam headlamps or the parking lamps before opening the driver's door.*


In addition the message Switch Off Lights appears in the multifunction display.

Switch off the low beam headlamps or the parking lamps.

If the message Switch Off Lights Or Remove Key appears in the multifunction display remove the SmartKey from the starter switch or switch off the automatic headlamp mode.

! *Failure to switch off the exterior lamps when leaving the vehicle may result in a discharged battery.*

i *Opening a door causes the windows on that side of the car to open slightly. They will return to the up position when the door is closed.*

- ▶ Press lock button  on the SmartKey (▷ page 34).

With the trunk and both doors closed:

- All turn signal lamps flash three times.
- An acoustic signal sounds three times.
For more information, see “Factory setting” (▷ page 90).
- The locking knobs in the doors move down.
- The anti-theft alarm system is armed.

For more information, see “SmartKey” (▷ page 88).

Occupant safety

Panic alarm

Driving safety systems

Anti-theft systems



Occupant safety

In this section you will learn the most important facts about the restraint systems of the vehicle.

The restraint systems are

- Seat belts (▷ page 71)
- Child restraints (▷ page 75)

Additional protection potential is provided by:

- Supplemental Restraint System (SRS) with
 - Air bags (▷ page 61)
 - Air bag control unit (with crash sensors)
 - Emergency Tensioning Device (ETD) for seat belts (▷ page 74)
 - Seat belt force limiter (▷ page 74)

Air bag system components with

- Passenger front air bag off indicator lamp (▷ page 70)
- Passenger seat with Occupant Classification System (OCS) (▷ page 66)

Although the systems are independent, their protective functions work in conjunction with each other.

i For information on infants and children traveling with you in the vehicle and restraint systems for infants and children, see “Children in the vehicle” (▷ page 75).

The SRS system conducts a self-test when the ignition is switched on and in regular intervals while the engine is running. This facilitates early detection of malfunctions. The **SRS** indicator lamp in the instrument cluster (▷ page 27) comes on when the ignition is switched on and goes out no later than a few seconds after the engine has been started.

The SRS components are in operational readiness if the **SRS** indicator lamp is not lit when the engine is running.

A malfunction in the system has been detected if the **SRS** indicator lamp:

- fails to go out not later than approximately 4 seconds after the engine was started
- does not come on at all
- comes on after the engine was started or while driving

Warning!



Modifications to or work improperly conducted on restraint systems (such as seat belts and anchors, emergency tensioning devices, seat belt force limiters or air bags) or their wiring, as well as tampering with interconnected electronic systems, can lead to the restraint systems no longer functioning as intended.

Air bags or emergency tensioning devices, for example, could deploy inadvertently or fail to deploy in accidents although the deceleration threshold for air bag deployment is exceeded. Therefore, never modify the restraint systems. Do not tamper with electronic components or their software.

Warning!



In the event that the **SRS** indicator lamp comes on during driving or does not come on at all, the SRS self-check has detected a malfunction. For your safety, we strongly recommend that you contact an authorized Mercedes-Benz Center immediately to have the system checked; otherwise the SRS may not deploy when needed in an accident, which could result in serious or fatal injury, or it might deploy unexpectedly and unnecessarily which could also result in injury.

In addition, improper repair work on the SRS creates a risk of rendering the SRS inoperative or causing unintended air bag deployment. Work on the SRS must therefore only be performed by qualified technicians. Contact an authorized Mercedes-Benz Center.

If it is necessary to modify an air bag system to accommodate a person with disabilities, contact your local authorized Mercedes-Benz Center or call our Customer Assistance Center at 1-800-FOR-MERCEdes (1-800-367-6372) for details.

Air bags

Warning!



Air bags are designed to reduce the potential of injury and fatality in certain frontal impacts (front air bags), side impacts (side impact air bags and window curtain air bags) or rollovers (window curtain air bags). However, no system available today can totally eliminate injuries and fatalities.

The deployment of the air bags temporarily releases a small amount of dust from the air bags. This dust, however, is neither injurious to your health, nor does it indicate a fire in the vehicle. The dust might cause some temporary breathing difficulty for people with asthma or other breathing trouble. To avoid this, you may wish to get out of the vehicle as soon as it is safe to do so. If you have any breathing difficulty but cannot get out of the vehicle after the air bag inflates, then get fresh air by opening a window or door.

Occupant safety

Warning!



To reduce the risk of injury when the front air bags inflate, it is very important for the driver and passenger to always be in a properly seated position and to wear their respective seat belt.

For maximum protection in the event of a collision always be in normal seated position with your back against the seat backrest. Fasten your seat belt and make sure it is properly positioned on your body (▷ page 43).

Since the air bag inflates with considerable speed and force, a proper seating and hands on steering wheel position will help to keep you at a safe distance from the air bag. Occupants who are unbelted, out of position or too close to the air bag can be seriously injured or killed by an air bag as it inflates with great force in the blink of an eye:

- Sit properly belted in a position that is as upright as possible with your back against the seat backrest.

- Adjust the driver's seat as far as possible rearward, still permitting proper operation of vehicle controls. The distance from the center of the driver's breastbone to the center of the air bag cover on the steering wheel must be at least 10 inches or more. You should be able to accomplish this by a combination of adjustments to the seat and steering wheel. If you have any problems, please see an authorized Mercedes-Benz Center.
- Do not lean your head or chest close to the steering wheel or dashboard.
- Keep hands on the outside of steering wheel rim. Placing hands and arms inside the rim can increase the risk and potential severity of hand/arm injury when driver's front air bag inflates.
- Adjust the passenger seat as far as possible rearward from the dashboard when the seat is occupied.

- Occupants, especially children, should always sit as upright as possible, properly use the seat belts and use an appropriately sized infant restraint, toddler restraint, or booster seat recommended for the size and weight of the child.

Failure to follow these instructions can result in severe injuries to you or other occupants.

If you sell your vehicle, it is important that you make the buyer aware of this safety information. Be sure to give the buyer this Operator's Manual.

Warning!

There is a possibility for a side impact air bag related injury if occupants, especially children, are not properly seated or restrained when next to a side impact air bag which needs to deploy rapidly in a side impact in order to do its job.

To help avoid the possibility of injury, please follow these guidelines:

- (1) Occupants, especially children, should never place their bodies or lean their heads in the area of the door or the rear side trim panel where the side impact air bag inflates.

This could result in serious injuries or death should the side impact air bag be deployed.

- (2) Always sit as upright as possible, properly use the seat belts, and for all children 12 years old and under, use an appropriately sized infant restraint, toddler restraint, or booster seat recommended for the size and weight of the child.

- (3) Always wear seat belts properly.

i *Air bags are designed to deploy only in certain frontal impacts (front air bags), and in side impacts (side impact and window curtain air bags) which exceed preset thresholds, and in certain rollovers (window curtain air bags). Only during these events will they provide their supplemental protection.*

The driver and passenger should always wear their seat belts. Otherwise it is not possible for the air bags to provide their supplemental protection.

In case of other types of impacts and impacts below air bag deployment thresholds, air bags will not deploy. The driver and passenger will then be protected to the extent possible by a properly fastened seat belt. A properly fastened seat belt is also needed to provide the best possible protection in a rollover.

We caution you not to rely on the presence of the air bags in order to avoid wearing your seat belt.

It is important to your safety and that of your passenger that you replace deployed air bags and repair any malfunctioning air bags to make sure the vehicle will continue to provide supplemental crash protection for occupants.

Occupant safety

Safety guidelines for the seat belt, emergency tensioning device and air bag

Warning!



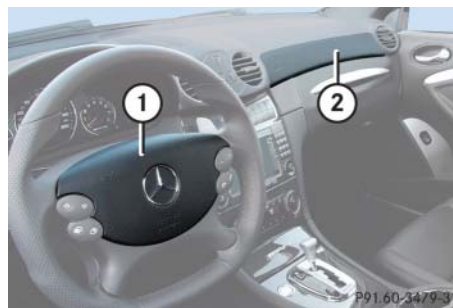
- Damaged seat belts or seat belts that were highly stressed in an accident must be replaced and their anchoring points must also be checked. Only use seat belts installed or supplied by an authorized Mercedes-Benz Center.
- Air bags and Emergency Tensioning Devices (ETDs) contain Perchlorate material, which may require special handling and regard for the environment. Check with your local government's disposal guidelines. California residents, see <http://www.dtsc.ca.gov/HazardousWaste/Perchlorate/index.cfm>.
- Air bags and pyrotechnic Emergency Tensioning Devices (ETDs) are designed to function on a one-time-only basis. An air bag or ETD that is deployed must be replaced.

- Do not pass belts over sharp edges. They could tear.
- Do not make any modification that could change the effectiveness of the belts.
- Do not bleach or dye seat belts as this may severely weaken them. In a crash they may not be able to provide adequate protection.
- No modifications of any kind may be made to any components or wiring of the SRS. This includes changing or removing any component or part of the SRS, the installation of additional trim material, badges, etc. over the steering wheel hub, passenger front air bag cover, outboard sides of the seat backrest, door trim panels, or door frame trims, and installation of additional electrical/electronic equipment on or near SRS components and wiring. Keep area between air bags and occupants free from objects (e.g. packages, purses, umbrellas, etc.).
- Do not hang items such as coat hangers from the coat hooks or handles over the door. These items may turn into projectiles and cause head and other injuries when the window curtain air bag is deployed.
- Air bag system components will be hot after an air bag has inflated. Do not touch.
- Never place your feet on the instrument panel, dashboard, or on the seat. Always keep both feet on the floor in front of the seat.
- In addition, improper repair work on the SRS creates a risk of rendering the SRS inoperative or causing unintended air bag deployment. Work on the SRS must therefore only be performed by qualified technicians. Contact an authorized Mercedes-Benz Center.

- For your protection and the protection of others, when scrapping the air bag unit or emergency tensioning device, our safety instructions must be followed. These instructions are available from any authorized Mercedes-Benz Center.
- Given the considerable deployment speed, required inflation volume, and the textile structure of the air bags, there is the possibility of abrasions or other, potentially more serious injuries resulting from air bag deployment.

When you sell your vehicle, we strongly urge you to give notice to the subsequent owner that it is equipped with an SRS by alerting them to the applicable section in the Operator's Manual.

Front air bags



- ① Driver air bag
- ② Passenger air bag

Driver and passenger air bags are deployed:

- in the event of certain frontal impacts
- if impact exceeds a preset deployment threshold
- independently of the side impact air bags

i The front air bags in this vehicle have been designed to inflate in two stages. This allows the air bag to have different rates of inflation that are based on the rate of relevant vehicle deceleration as assessed by the air bag control unit.


On the passenger side, the front air bag deployment is additionally influenced by the passenger's weight category as identified by the Occupant Classification System (OCS) (▷ page 66).

The lighter the passenger side occupant, the higher the vehicle deceleration rate required for the second stage inflation of the air bag.

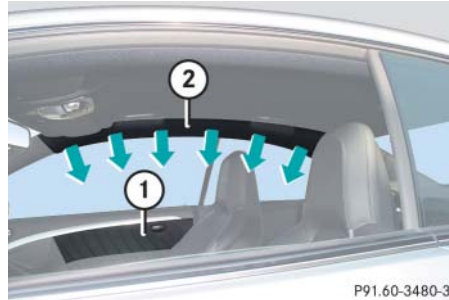
Occupant safety

The air bags will not deploy in impacts which do not exceed the system's deployment thresholds. You will then be protected by the fastened seat belts.

The passenger front air bag will only be deployed if:

- the system, based on OCS weight sensor readings, senses that the passenger seat is occupied
- the  indicator lamp in the center console is not lit (▷ page 70)
- the impact exceeds a preset deployment threshold

Side impact air bags, window curtain air bags



- ① Side impact air bag
- ② Window curtain air bag

The side impact air bags and window curtain air bags are deployed:

- on the impacted side of the vehicle
- in side impacts exceeding a preset deployment threshold
- independently of the front air bags

The side impact air bags and the window curtain air bags are not deployed in impacts which do not exceed the system's deployment threshold.

Occupant Classification System


The Occupant Classification System (OCS) automatically turns the passenger front air bag on or off based on the classified occupant weight category determined by weight sensor readings from the passenger seat.

i *The system does not deactivate the passenger side impact air bag, the window curtain air bag and the emergency tensioning device.*

Occupants must sit properly belted in a position that is as upright as possible with their back against the seat backrest and feet on the floor to be correctly classified. If the occupant's weight is transferred to another object in the vehicle (e.g. by leaning on armrests), the OCS may not be able to properly approximate the occupant's weight category.





i *If your seat, including your trim cover and cushion needs to be serviced in any way, take the vehicle to an authorized Mercedes-Benz Center.*

Only seat accessories approved by Mercedes-Benz may be used.

Both driver and the passenger should always use the  indicator lamp as an indication of whether or not the passenger is properly positioned.



Warning!





If the   indicator lamp illuminates when an adult or someone larger than a small individual is in the passenger seat, have the passenger re-position himself or herself in the seat until the   indicator lamp goes out.







More information about air bag display messages (▷ page 280).

In the event of a collision, the air bag control unit will not allow passenger front air bag deployment when the OCS classified the passenger seat occupant as being up to or less than the weight of a typical 12-month-old child in a standard child restraint or if the passenger seat is sensed as being empty.

When the OCS senses that the passenger seat occupant is classified as being up to or less than the weight of a typical 12-month-old child in a standard child restraint, the   indicator lamp will illuminate when the engine is started and

remain illuminated, indicating that the passenger front air bag is deactivated.


When the OCS senses that the passenger seat is classified as being empty, the   indicator lamp will illuminate when the engine is started and remain illuminated, indicating that the passenger front air bag is deactivated.


When the OCS senses that the passenger seat occupant is classified as being heavier than the weight of a typical 12-month-old child seated in a standard child restraint or as being a small individual (such as a young teenager or a small adult), the   indicator lamp will illuminate for approximately 6 seconds when the engine is started and then, depending on occupant weight sensor readings from the seat, remain illuminated or go out. With the   indicator lamp illuminated, the passenger front air bag is deactivated. With the   indicator lamp out, the passenger front air bag is activated.




Occupant safety



When the OCS senses that the passenger seat occupant is classified as an adult or someone larger than a small individual, the  indicator lamp will illuminate for approximately 6 seconds when the engine is started and then go out, indicating that the passenger front air bag is activated.

If the  indicator lamp is illuminated, the passenger front air bag is deactivated and will not be deployed.

If the  indicator lamp is not illuminated, the passenger front air bag is activated and will be deployed:

- in the event of certain frontal impacts
- if impact exceeds a preset deployment threshold
- independently of the side impact air bags

If the passenger front air bag is deployed, the rate of inflation will be influenced by:

- the rate of vehicle deceleration as assessed by the air bag control unit
- the passenger's weight category as identified by the Occupant Classification System (OCS)

Warning!








Children 12 years old and under must be seated and properly secured in an appropriate infant or child restraint recommended for the size and weight of the child.


The infant or child restraint must be properly secured with the vehicle's seat belt fully in accordance with the child seat manufacturer's instructions.

Children can be killed or seriously injured by an inflating air bag. Note the following important information:

- Your vehicle is equipped with air bag technology designed to turn off the passenger front air bag in your vehicle when the system senses the weight of a typical 12-month-old child or less along with the weight of a standard appropriate child restraint on the passenger seat.
- A child in a rear-facing child restraint on the passenger seat will be seriously injured or even killed if the passenger front air bag inflates in a collision which could occur under some circumstances, even with the air bag technology installed in your vehicle.

- If you install a rear-facing child restraint on the passenger seat, make sure that the  indicator lamp is illuminated, indicating that the passenger front air bag is deactivated. Should the  indicator lamp not illuminate or go out while the restraint is installed, please check installation. Periodically check the  indicator lamp while driving to make sure the  indicator lamp is illuminated. If the  indicator lamp goes out or remains out, do not transport a child on the passenger seat until the system has been repaired. A child in a rear-facing child restraint on the passenger seat will be seriously injured or even killed if the passenger front air bag inflates.



- If you place a child in a forward-facing child restraint on the passenger seat, move the seat as far back as possible, use the proper child restraint recommended for the age, size and weight of the child, and secure child restraint with the vehicle's seat belt according to the child seat manufacturer's instructions. For children larger than the typical 12-month-old child, the passenger front air bag may or may not be activated (▷ page 67).

 *Deployment of the driver front air bag does not mean that the passenger front air bag also should have deployed.*

The Occupant Classification System (▷ page 66) may have determined:



- *that the seat was empty or occupied by the weight up to or less than that of a typical 12-month – old child seated in a standard child restraint – both instances where the system suppresses deployment of the passenger front air bag even though the impact met the criteria and was of sufficient severity to deploy the driver front air bag.*
- *that the seat was occupied by a small individual (such as a young teenager or a small adult) or a child weighing more than the weight of a typical 12-month-old child in a standard child restraint – instances where the system may suppress deployment of the passenger front air bag even though the impact met the criteria and was of sufficient severity to deploy the driver front air bag.*

Occupant safety

The   indicator lamp is located in the center console.





①   indicator lamp

The   indicator lamp ① will be illuminated, except with the SmartKey removed from the starter switch or with the starter switch in position **0** (▷ page 35).

Warning!



If the **SRS** indicator lamp and the   indicator lamp are lit at the same time, there is a malfunction in the Occupant Classification System. The passenger front air bag will be deactivated in this case.

Have the system checked as soon as possible by qualified technicians. Contact an authorized Mercedes-Benz Center.





Only have the seat repaired or replaced by an authorized Mercedes-Benz Center.



In order to ensure proper operation of the air bag system and OCS:

- Sit properly belted in a position that is as upright as possible with your back against the seat backrest.
- While seated, an occupant should not position him/herself in such a way as to cause the occupant's weight to be lifted from the seat bottom as this may result in the OCS being unable to correctly approximate the occupant's weight category.


- Read and observe all warnings in this chapter.

Self-test Occupant Classification System

After turning the SmartKey in the starter switch to position **1** or **2**, the   indicator lamp (▷ page 70) located in the center console illuminates. If an adult occupant is properly sitting on the passenger seat and the system senses the occupant as being an adult, the   indicator lamp will illuminate and go out after approximately 6 seconds.

If the seat is not occupied and the system senses the passenger seat as being empty, the   indicator lamp will illuminate and not go out.

Warning!

If the  indicator lamp should not illuminate, the system is not functioning. You must see an authorized Mercedes-Benz Center before seating any child on the passenger seat.

More information can be found in the “Practical hints” section (▷ page 274).

Warning!

Never place anything between seat cushion and child seat (e.g. pillow), since it reduces the effectiveness of the Occupant Classification System. The bottom of the child seat must make full contact with the passenger seat cushion. An incorrectly mounted child seat could cause injuries to the child in case of an accident, instead of increasing protection for the child.


Follow the manufacturer’s instructions for installation of child seats.

Seat belts

The use of seat belts and infant and child restraint systems is required by law in all 50 states, the District of Columbia and the U.S. territories.

Even where this is not the case, all vehicle occupants should have their seat belts fastened whenever the vehicle is in motion.

For more information, see “Fastening the seat belts” (▷ page 43).

 For information on infants and children traveling with you in the vehicle and restraint systems for infants and children, see “Children in the vehicle” (▷ page 75).

Warning!

Always fasten your seat belt before driving off. Always make sure your passenger is properly restrained.

Failure to wear and properly fasten and position your seat belt greatly increases your risk of injuries and their likely severity in an accident. You and your passenger should always wear seat belts.

If you are ever in an accident, your injuries can be considerably more severe without your seat belt properly buckled. Without your seat belt buckled, you are much more likely to hit the interior of the vehicle or be ejected from it. You can be seriously injured or killed.

In the same crash, the possibility of injury or death is lessened if you are properly wearing your seat belt. Air bags can only protect as they are designed if the occupants are properly wearing their seat belts.

Occupant safety

Warning!



Never ride in a moving vehicle with the seat backrest in an excessively reclined position as this can be dangerous. You could slide under the seat belt in a collision. If you slide under it, the belt would apply force at the abdomen or neck. That could cause serious or even fatal injuries. The seat backrest and seat belt provide the best restraint when the wearer is in a position that is as upright as possible and the belt is properly positioned on the body.

Warning!



Never let more people ride in the vehicle than there are seat belts available. Make sure everyone riding in the vehicle is correctly restrained with a separate seat belt. Never use a seat belt for more than one person at a time.

Warning!



Damaged seat belts or seat belts that were highly stressed in an accident must be replaced and their anchoring points must also be checked.

Only use seat belts which have been approved by Mercedes-Benz.

Do not make any modifications to the seat belts. This can lead to unintended activation of the ETDs or to failure.

Do not bleach or dye seat belts as this may severely weaken them. In a crash they may not be able to provide adequate protection.

Have all work carried out only by qualified technicians. Contact an authorized Mercedes-Benz Center.

Warning!



USE SEAT BELTS PROPERLY


- Seat belts can only work when used properly. Never wear seat belts in any other way than as described in this section, as that could result in serious injuries in case of an accident.
- Each occupant should wear their seat belt at all times, because seat belts help reduce the likelihood of and potential severity of injuries in accidents, including rollovers. The integrated restraint system includes SRS (driver air bag, passenger front air bag, side impact air bags and window curtain air bags for side windows), ETD (seat belt emergency tensioning device), and front seat knee bolsters. The system is designed to enhance the protection offered to properly belted occupants in certain frontal (front air bags and ETD)

and side (side impact air bags, window curtain air bags and ETD) impacts which exceed preset deployment thresholds.

- Never wear the shoulder belt under your arm, against your neck or off your shoulder. In a frontal crash, your body would move too far forward. That would increase the chance of head and neck injuries. The belt would also apply too much force to the ribs or abdomen, which could severely injure internal organs such as your liver or spleen.
- Never wear belts over rigid or breakable objects in or on your clothing, such as eyeglasses, pens, keys, etc., as these might cause injuries.
- Position the lap belt as low as possible on your hips and not across the abdomen. If the belt is positioned across your abdomen, it could cause serious injuries in a crash.
- Never use a seat belt for more than one person at a time. Do not fasten a seat belt around a person and another person or other objects.

- Belts should not be worn twisted. In a crash, you wouldn't have the full width of the belt to distribute impact forces. The twisted belt against your body could cause injuries.
- Pregnant women should also always use a lap-shoulder belt. The lap belt portion should be positioned as low as possible on the hips to avoid any possible pressure on the abdomen.
- Never place your feet on the instrument panel, dashboard, or on the seat. Always keep both feet on the floor in front of the seat.
- When using a seat belt to secure infant or toddler restraints or children in booster seats, always follow the child seat manufacturer's instructions.

Enhanced seat belt reminder system


When the engine is started, the seat belt telltale  will always illuminate for 6 seconds to remind you and your passenger to fasten your seat belts.


If the driver's seat belt is not fastened when the engine is started, an additional warning chime will also sound for a maximum of 6 seconds or until the driver's seat belt is fastened.


If after these 6 seconds the driver's or the passenger's seat belt (with the passenger seat occupied) is not fastened with both doors closed,

- the seat belt telltale  remains illuminated for as long as either the driver's or passenger's seat belt is not fastened.

Occupant safety

- and if the vehicle speed once exceeds 15 mph, the seat belt telltale  starts flashing and a warning chime sounds with increasing intensity for a maximum of 60 seconds or until the driver's and the passenger's seat belt are fastened.

If the driver's or the passenger's seat belt remains unfastened after 60 seconds, the warning chime stops sounding, the seat belt telltale  stops flashing but continues to be illuminated.

The seat belt telltale  will only go out if both the driver's and the passenger's seat belt (with the passenger seat occupied) are fastened, or the vehicle is standing still and a door is opened.


For more information, see "Practical hints" (▷ page 269).

Emergency Tensioning Device (ETD), seat belt force limiter

The seat belts are equipped with emergency tensioning devices and belt force limiters.

The ETD is designed to activate in the following cases:

- in frontal or rear-end impacts exceeding the system deployment threshold
- if the restraint systems are operational and functioning correctly, see **SRS** indicator lamp (▷ page 60)

 *The ETDs will only activate if the seat belts are fastened (latch plate properly inserted into buckle).*

In an impact, emergency tensioning devices remove slack from the belts in such a way that the seat belts fit more snugly against the body. Belt force limiters, when activated, are employed to help reduce the peak force exerted by the seat belts on occupants during a crash.

Warning!



A pyrotechnic Emergency Tensioning Device (ETD) that was activated must be replaced.

When disposing of the pyrotechnic emergency tensioning device, our safety instructions must be followed. These are available at any authorized Mercedes-Benz Center.

Automatic comfort-fit feature seat belt

The automatic comfort-fit feature reduces the retracting force of the seat belts when they are in normal use.

Children in the vehicle

If an infant or child is traveling with you in the vehicle:

- ▶ Secure the child using an infant or child restraint appropriate to the age and size of the child.
- ▶ Make sure the infant or child is properly secured at all times while the vehicle is in motion.

Warning!



Do not leave children unattended in the vehicle, even if they are secured in a child restraint system. The children could

- injure themselves on parts of the vehicle
- be seriously or fatally injured through excessive exposure to extreme heat or cold

Do not expose the child restraint system to direct sunlight. The child restraint system's metal parts, for example, could become very hot, and the child could be burned on these parts.

If children open a door, they could

- injure other persons
- get out of the car and injure themselves or be injured by following traffic

Do not carry heavy or hard objects in the passenger compartment unless they are firmly secured in place. For more information, please refer to the "Useful features" section (▷ page 171) through (▷ page 173).

Unsecured or improperly positioned cargo increases a child's risk of injury in the event of

- strong braking maneuvers
- sudden changes of direction
- an accident

Infant and child restraint systems

We recommend all infants and children be properly restrained at all times while the vehicle is in motion.

The passenger lap-shoulder belt has a special seat belt retractor for secure fastening of child restraints.

To fasten a child restraint, follow child restraint instructions for mounting. Then pull the shoulder belt out completely and let it retract. During seat belt retraction, a ratcheting sound can be heard to indicate that the special seat belt retractor is activated. The belt is now locked. Push down on child restraint to take up any slack.

To deactivate, release seat belt buckle and let seat belt retract completely. The seat belt can again be used in the usual manner.

Occupant safety

Warning!



Never release the seat belt buckle while the vehicle is in motion, since the special seat belt retractor will be deactivated.

The use of infant or child restraints is required by law in all 50 states, the District of Columbia and the U.S. territories.

Infants and small children should be seated in an appropriate infant or child restraint system which is properly secured by a lap-shoulder belt and that complies with U.S. Federal Motor Vehicle Safety Standards 213 and 225.

A statement by the child restraint manufacturer of compliance with these standards can be found on the instruction label on the restraint and in the instruction manual provided with the restraint.

When using any infant restraint, toddler restraint, or booster seat, be sure to carefully read and follow all manufacturer's instructions for installation and use.

Please read and observe warning labels affixed to the inside of the vehicle and to infant or child restraints.

Warning!








Children 12 years old and under must be seated and properly secured in an appropriate infant or child restraint recommended for the size and weight of the child.

The infant or child restraint must be properly secured with the vehicle's seat belt fully in accordance with the child seat manufacturer's instructions.

Occupants, especially children, should never place their bodies or lean their heads in the area of the door or the rear side trim panel where the side impact air bag inflates. This could result in serious injuries or death should the side impact air bag be deployed. Always sit as upright as possible, properly use the seat belts and use an appropriately sized infant restraint, toddler restraint, or booster seat recommended for the size and weight of the child.

Children can be killed or seriously injured by an inflating air bag. Note the following important information when you place a child in the passenger seat:

- Your vehicle is equipped with air bag technology designed to turn off the passenger front air bag in your vehicle when the OCS senses the weight of a typical 12-month-old child or less along with the weight of a standard appropriate child restraint on the passenger seat.

- A child in a rear-facing child restraint on the passenger seat will be seriously injured or even killed if the passenger front air bag inflates in a collision which could occur under some circumstances, even with the air bag technology installed in your vehicle.
- If you install a rear-facing child restraint on the passenger seat, make sure that the  indicator lamp is illuminated, indicating that the passenger front air bag is deactivated. Should the  indicator lamp not illuminate or go out while the restraint is installed, please check installation. Periodically check the  indicator lamp while driving to make sure the  indicator lamp is illuminated. If the  indicator lamp goes out or remains out, do not transport a child on the passenger seat until the system has been repaired. A child in a rear-facing child restraint on the passenger seat will be seriously injured or even killed if the passenger front air bag inflates.

- If you place a child in a forward-facing child restraint on the passenger seat, move the seat as far back as possible, use the proper child restraint recommended for the age, size and weight of the child, and secure child restraint with the vehicle's seat belt according to the child seat manufacturer's instructions. For children larger than the typical 12-month-old child, the passenger front air bag may or may not be activated (▷ page 67).

Warning!



Infants and small children should never share a seat belt with another occupant. During an accident, they could be crushed between the occupant and seat belt.

A child's risk of serious or fatal injuries is significantly increased if the child restraints are not properly secured in the vehicle and/or the child is not properly secured in the child restraint.

Warning!



Children too big for a toddler restraint must ride in seats using regular seat belts. Position shoulder belt across chest and shoulder, not face or neck. A booster seat may be necessary to achieve proper belt positioning for children over 41 lbs until they reach a height where a lap/shoulder belt fits properly without a booster.

When the child restraint is not in use, remove it from the vehicle or secure it with the seat belt to prevent the child restraint from becoming a projectile in the event of an accident.

Do not leave children unattended in the vehicle, even if the children are secured in a child restraint system. A child's unsupervised access to a vehicle could result in an accident and/or serious personal injury.

Panic alarm



① **PANIC** button

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

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

Any unauthorized modification to this device could void the user's authority to operate the equipment.

Activating

- ▶ Press and hold button ① for at least 1 second.
An audible alarm and flashing exterior lamps will operate briefly.

Deactivating

- ▶ Press button ① again.
- or
- ▶ Insert the SmartKey in the starter switch.

▼ Driving safety systems

In this section you will find information on the following driving safety systems:

- ABS (Antilock Brake System)
- BAS (Brake Assist System)
- ESP® (Electronic Stability Program)

Warning!



The following factors increase the risk of accidents:

- Excessive speed, especially in turns
- Wet and slippery road surfaces
- Following another vehicle too closely

The ABS, BAS, and ESP® cannot reduce this risk.

Always adjust your driving style to the prevailing road and weather conditions.

i In winter operation, the maximum effectiveness of the ABS, the BAS, and the ESP® is only achieved with winter tires (▷ page 248) or snow chains as required.

ABS

Warning!




Do not pump the brake pedal. Use firm, steady brake pedal pressure instead. Pumping the brake pedal defeats the purpose of the ABS and significantly reduces braking effectiveness.

The Antilock Brake System (ABS) regulates the brake pressure so that the wheels do not lock during braking. This allows you to maintain the ability to steer your vehicle.

The ABS is functional above a speed of approximately 5 mph independent of road surface conditions.

On slippery road surfaces, the ABS will respond even to light brake pressure.

The  indicator lamp in the instrument cluster (▷ page 26) comes on when you switch on the ignition. It goes out when the engine is running.

Driving safety systems

Braking

At the instant one of the wheels is about to lock up, a slight pulsation can be felt in the brake pedal, indicating that the ABS is in the regulating mode.

- ▶ Keep firm and steady pressure on the brake pedal while experiencing the pulsation.

Continuous, steady brake pedal pressure yields the advantages provided by the ABS, namely braking power and the ability to steer the vehicle.

The pulsating brake pedal can be an indication of hazardous road conditions and functions as a reminder to take extra care while driving.

Emergency brake maneuver

- ▶ Keep continuous full pressure on the brake pedal.

Warning!



When the ABS is malfunctioning, the BAS and the ESP[®] are also switched off. The basic driving and braking functions are still available.

When the ABS is malfunctioning, the wheels may lock during hard braking, reducing steering capability and extending the braking distance.

Warning!



The ABS cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase braking or steering efficiency beyond that afforded by the condition of the vehicle brakes and tires or the traction afforded. The ABS cannot prevent accidents, including those resulting from excessive speed in turns, following another vehicle too closely, or hydroplaning. Only a safe, attentive, and skillful driver can prevent accidents. The capabilities of an ABS equipped vehicle must never be exploited in a reckless or dangerous manner which could jeopardize the user's safety or the safety of others.

For more information, see “Practical hints” (▷ page 261).

BAS

The Brake Assist System (BAS) operates in emergency situations. If you apply the brakes very quickly, the BAS automatically provides full brake boost, thereby potentially reducing the braking distance.

- ▶ Apply continuous full braking pressure until the emergency braking situation is over.

The ABS will prevent the wheels from locking.

When you release the brake pedal, the brakes function again as normal. The BAS is then deactivated.

Warning!



If the BAS is malfunctioning, the brake system is still functioning, but without the additional brake boost available that BAS would normally provide in an emergency braking maneuver. Therefore, the braking distance may increase.

Warning!





The BAS cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase braking efficiency beyond that afforded by the condition of the vehicle brakes and tires or the traction afforded. The BAS cannot prevent accidents, including those resulting from excessive speed in turns, following another vehicle too closely, or hydroplaning. Only a safe, attentive, and skillful driver can prevent accidents. The capabilities of a BAS equipped vehicle must never be exploited in a reckless or dangerous manner which could jeopardize the user's safety or the safety of others.

ESP®

The Electronic Stability Program (ESP®) is operational as soon as the engine is running and monitors the vehicle's traction (force of adhesive friction between the tires and the road surface) and handling.

The ESP® recognizes when a wheel is spinning or if the vehicle starts to skid. By applying brakes to the appropriate wheel and by limiting the engine output, the ESP® works to stabilize the vehicle. The ESP® is especially useful while driving off and on wet or slippery road surfaces. The ESP® also stabilizes the vehicle during braking and steering maneuvers.


The ESP® warning lamp  in the instrument cluster (▷ page 26) flashes when the ESP® is engaged.

The ESP® warning lamp  in the instrument cluster comes on when you switch on the ignition. It goes out when the engine is running.

Driving safety systems

Warning!



Never switch off the ESP® when you see the ESP® warning lamp  flashing in the instrument cluster. In this case, proceed as follows:

- While driving off, apply as little throttle as possible.
- While driving, ease up on the accelerator.
- Adapt your speed and driving style to the prevailing road conditions.

Failure to observe these guidelines could cause the vehicle to skid.

The ESP® cannot prevent accidents resulting from excessive speed.

Warning!



The ESP® cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded. The ESP® cannot prevent accidents, including those resulting from excessive speed in turns or hydroplaning. Only a safe, attentive, and skillful driver can prevent accidents. The capabilities of an ESP® equipped vehicle must never be exploited in a reckless or dangerous manner which could jeopardize the user's safety or the safety of others.

! *Because the ESP® operates automatically, the engine must be shut off (SmartKey in starter switch position **0** or **1** or engine start/stop button in position **0** or **1**) when*

- *the parking brake is being tested on a brake test dynamometer*
- *the vehicle is being towed with the front axle raised*

Active braking action through the ESP® may otherwise seriously damage the brake system.

i *The ESP® will only function properly if you use wheels of the recommended tire size (▷ page 344).*

For more information, see the “Practical hints” section (▷ page 268) and (▷ page 278).

Electronic traction system

The electronic traction system is a component of ESP®.

The electronic traction system improves the vehicle's ability to utilize available traction, especially under slippery road conditions by applying the brakes to a spinning wheel.

When you switch off the ESP®, the electronic traction system is still enabled.

Warning!

If you are driving too fast, the electronic traction system cannot reduce the risk of an accident.

The electronic traction system cannot prevent the natural laws of physics from acting on the vehicle.

Switching off the ESP®**Warning!**

The ESP® should not be switched off during normal driving. Disabling of the system will reduce in the following:

- no restriction to engine torque
- loss of system supported traction control



“ESP® Off” is designed for driving on closed tracks when the natural oversteer and understeer characteristics are desired and requires a highly skilled and experienced driver able to handle these critical driving situations.

You could lose control of your vehicle and cause an accident.

Please be aware of these limits when you switch off the ESP®.

When you switch off the ESP®

- the ESP® does not stabilize the vehicle
- the engine output is not limited, which allows the drive wheels to spin and thus cut into surfaces for better grip
- the traction control will still apply the brakes to a spinning wheel
- the ESP® operates while you are braking
- you cannot activate the cruise control
- the cruise control switches off if currently activated


 *When the ESP® is switched off and one or more drive wheels are spinning, the ESP® warning lamp  in the instrument cluster flashes. However, the ESP® will then not stabilize the vehicle.*

Driving safety systems

The ESP® switch is located on the upper part of the center console.




① ESP® switch

- ▶ With the engine running, press ESP® switch ① until the ESP® warning lamp  in the instrument cluster comes on.

The ESP® is switched off.

Warning!




When the ESP® warning lamp  is illuminated continuously, the ESP® is switched off or is not operational due to a malfunction. Vehicle stability in standard driving maneuvers reduces.

Adapt your speed and driving to the prevailing road conditions and to the non-operating status of the ESP®.

! *Avoid spinning of a drive wheel for an extended period with the ESP® switched off. This may cause serious damage to the drivetrain which is not covered by the Mercedes-Benz Limited Warranty.*

Switching on the ESP®

- ▶ Press ESP® switch ① until the ESP® warning lamp  in the instrument cluster goes out.

You are now again in normal driving mode with ESP® switched on.

▼ Anti-theft systems

Immobilizer

The immobilizer prevents unauthorized persons from starting your vehicle.

When leaving the vehicle, always take the SmartKey with you and lock the vehicle. The engine can be started by anyone with a valid SmartKey that is left inside the vehicle.

Activating

- ▶ Remove the SmartKey from the starter switch.

Deactivating

- ▶ Insert the SmartKey in the starter switch.

i Starting the engine will also deactivate the immobilizer.

In case the engine cannot be started (yet the vehicle's battery is charged), the system is not operational. Contact an authorized Mercedes-Benz Center or call 1-800-FOR-MERCEdes.

Anti-theft alarm system

Once the alarm system has been armed, a visual and audible alarm is triggered when someone opens

- a door
- the trunk
- the hood

The alarm will stay on even if the activating element (e.g. a door) is immediately closed.

The alarm system will also be triggered when

- the vehicle is opened with the mechanical key, see “Unlocking the vehicle” (▷ page 303).
- a door is opened from the inside, see “Opening the doors from the inside” (▷ page 92).
- the trunk is opened with the emergency release button, see “Trunk emergency release” (▷ page 95).

i If the alarm stays on for more than 30 seconds, a call to the Response Center is initiated automatically by the Tele Aid system (▷ page 176) provided Tele Aid service was subscribed to and properly activated, and that necessary cellular service and GPS coverage are available.

Arming the alarm system

The alarm system indicator lamp is located on the upper part of the center console.



① Alarm system indicator lamp

Anti-theft systems

- ▶ Lock the vehicle with the SmartKey.

The turn signal lamps flash three times, and an acoustic signal sounds three times, to indicate that the alarm system is armed.

Indicator lamp ① begins to flash after approximately 30 seconds after arming the alarm system.

i *If the turn signal lamps do not flash three times, and the acoustic signal do not sounds three times (if equipped and feature activated), one of the following elements may not be properly closed:*

- a door
- the trunk

Close the respective element and lock the vehicle again.

Disarming the alarm system


- ▶ Unlock the vehicle with the SmartKey.

The turn signal lamps flash once, and an acoustic signal sounds once, to indicate that the alarm system is disarmed.

i *The alarm system will rearm automatically again after approximately 40 seconds if neither a door nor the trunk lid was opened.*

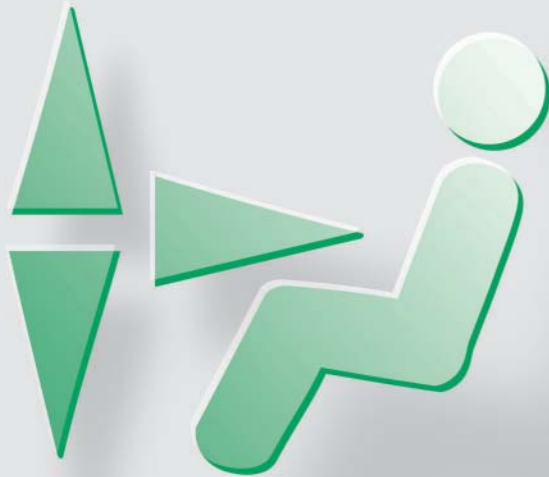
Canceling the alarm

To cancel the alarm:

- ▶ Press button  or  on the SmartKey.

or

- ▶ Insert the SmartKey in the starter switch.



Locking and unlocking

Seats

Lighting

Instrument cluster

Control system

Automatic transmission

Good visibility

Automatic climate control

Power windows

Driving systems

Useful features

Locking and unlocking

In the “Controls in detail” section you will find detailed information on how to operate the equipment installed in your vehicle. If you are already familiar with the basic functions of your vehicle, this section will be of particular interest to you.

To quickly familiarize yourself with the basic functions of the vehicle, refer to the “Getting started” section of this manual. The corresponding page numbers are given at the beginning of each segment.

For more information on locking and unlocking, see “Getting started” (> page 34) and (> page 55).

SmartKey

Your vehicle comes supplied with two SmartKeys, each with remote control and a removable mechanical key.

The SmartKey provides an extended operating range. To prevent theft, however, it is advisable to only unlock the vehicle when you are in close proximity to it.

The SmartKey centrally locks and unlocks:

- the doors
- the trunk
- the fuel filler flap
- the glove box



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SmartKey with remote control

- ① Lock button
- ② Unlock button for trunk (> page 93)
- ③ Locking tab for mechanical key
- ④ Unlock button
- ⑤ Battery check lamp
- ⑥ **PANIC** Panic button (> page 78)

! To prevent possible malfunction, avoid exposing the SmartKey to high levels of electromagnetic radiation.

Warning!

When leaving the vehicle, always remove the SmartKey from the starter switch, take it with you and lock the vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle. It is possible for children to open a locked door from the inside, which could result in an accident and/or serious personal injury.

Opening a door causes its window to open slightly. It will fully close when the door is shut.

! A side window will not work if it is blocked with ice or if the battery needs charging. If you cannot shut a door, do not force it or you could damage the door or the side window. Fix whatever is affecting the window before trying to shut the door.

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

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

Any unauthorized modification to this device could void the user's authority to operate the equipment.

i You can also open and close the power windows (▷ page 164) using the SmartKey.

! If you cannot lock or unlock the vehicle with the SmartKey, the batteries in the SmartKey are discharged, the SmartKey is malfunctioning, or the vehicle battery is drained.

- Check the batteries in the SmartKey (▷ page 91) and replace them if necessary (▷ page 306).
- Use the mechanical key to unlock the driver's door (▷ page 303) and the trunk (▷ page 304).
- Use the mechanical key to lock the driver's door (▷ page 304) and the trunk (▷ page 95).
- Have the vehicle battery and the vehicle battery connections checked (▷ page 322).


If the SmartKey is malfunctioning, contact Roadside Assistance or an authorized Mercedes-Benz Center.

Locking and unlocking

Factory setting

i When unlocking or locking the vehicle with the SmartKey, an acoustic signal sounds. The signal is activated at the factory. If you wish to deactivate the feature or adjust its signal volume, contact an authorized Mercedes-Benz Center.


Global unlocking

- ▶ Press button .
- All turn signal lamps flash once.
- An acoustic warning sounds once.
- The locking knobs in the doors move up.
- The anti-theft alarm system is disarmed.

The vehicle will lock again automatically and rearm the anti-theft alarm system within approximately 40 seconds of unlocking if:

- neither door nor trunk is opened
- the SmartKey is not inserted in the starter switch
- the central locking switch is not activated


Global locking




- ▶ Press button .

With the trunk and both doors closed:

- All turn signal lamps flash three times.
- An acoustic warning sounds three times.
- The locking knobs in the doors move down.
- The anti-theft alarm system is armed.


Selective setting

If you frequently travel alone, you may wish to reprogram the SmartKey so that pressing button  only unlocks the driver's door and the fuel filler flap.


- ▶ Press and hold buttons  and  simultaneously for about 5 seconds until battery check lamp  (▷ page 88) flashes twice.

The SmartKey will then function as follows:


Unlocking driver's door and fuel filler flap

- ▶ Press button  once.
- All turn signal lamps flash once.
- An acoustic signal sounds once.
- The locking knob in the driver's door move up.
- The anti-theft alarm system is disarmed.

Global unlocking

- ▶ Press button  twice.
 - All turn signal lamps flash once.
 - An acoustic warning sounds once.
 - The locking knobs in the doors move up.
 - The anti-theft alarm system is disarmed.




Global locking

- ▶ Press button .

With the trunk and both doors closed:

- All turn signal lamps flash three times.
- An acoustic signal sounds three times.
- The locking knobs in the doors move down.
- The anti-theft alarm system is armed.


Restoring to factory setting

- ▶ Press and hold buttons  and  simultaneously for about 5 seconds until battery check lamp  (▷ page 88) flashes twice.

Checking the batteries in the SmartKey




- ▶ Press button  or .

The battery check lamp (▷ page 88) comes on briefly to indicate that the SmartKey batteries are in order.

 *If battery check lamp does not come on briefly during check, the SmartKey batteries are discharged.*

Replace the batteries (▷ page 306).

You can obtain the required batteries at any authorized Mercedes-Benz Center.

 *If the batteries are checked within signal range of the vehicle, pressing button  or  will lock or unlock the vehicle accordingly.*

Loss of the SmartKey

If you lose your SmartKey or mechanical key, you should do the following:

- ▶ Have the SmartKey deactivated by an authorized Mercedes-Benz Center.
- ▶ Report the loss of the SmartKey or the mechanical key immediately to your car insurance company.
- ▶ Have the mechanical lock replaced if necessary.

Any authorized Mercedes-Benz Center will be glad to supply you with a replacement.

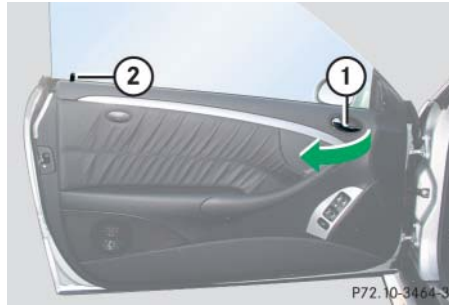
Locking and unlocking

Opening the doors from the inside

You can open a locked door from the inside. Open door only when conditions are safe to do so.

Opening a door causes the windows on that side of the car to open slightly. They will fully close when the door is shut.

! A side window will not work if it is blocked with ice or if the battery needs charging. If you cannot shut a door, do not force it or you could damage the door or the side window. Fix whatever is affecting the window before trying to shut the door.





- ① Inside door handle
- ② Locking knob

i If the vehicle has previously been locked with the SmartKey, opening a door from the inside will trigger the anti-theft alarm system.

To cancel the alarm, do one of the following:

With the SmartKey

- Press button  or  on the SmartKey.
- Insert the SmartKey in the starter switch.

With the engine start/stop button

- Press the engine start/stop button ([▷ page 36](#)).

The SmartKey must be inside the vehicle.

► Pull on door handle ① on the respective door.

If the door was locked, locking knob ② will move up.

i If you hear a warning signal, you have forgotten to switch off the low beam headlamps or the parking lamps before opening the driver's door.

In addition the message Switch Off Lights appears in the multifunction display.

Switch off the low beam headlamps or the parking lamps.

If the message Switch Off Lights Or Remove Key appears in the multifunction display remove the SmartKey from the starter switch or switch off the automatic headlamp mode.

! Failure to switch off the exterior lamps when leaving the vehicle may result in a discharged battery.

Opening the trunk

Warning!



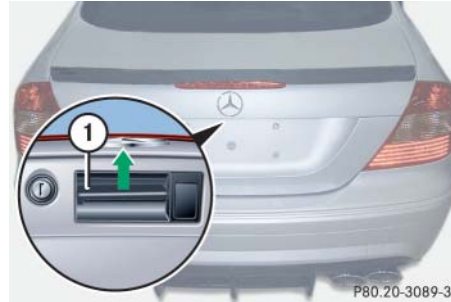
Make sure the trunk is closed when the engine is running and while driving. Among other dangers, deadly carbon monoxide (CO) gases may enter vehicle interior resulting in unconsciousness and death.

You can open the trunk if the vehicle is stationary.

A minimum height clearance of 5.58 ft is required to open the trunk lid.

! *The trunk lid swings open upwards automatically. Always make sure there is sufficient overhead clearance.*

Opening the trunk from the outside




① Handle

Opening with the handle:

i *The vehicle must be unlocked (▷ page 88).*

- ▶ Pull on handle ①.
- ▶ Lift the trunk lid.

Unlocking and opening with the SmartKey:

- ▶ Press and hold button  on the SmartKey until trunk unlocks and begins to open.

i *If the trunk does not open, it is still locked separately (▷ page 95).*

i *The trunk can also be opened from its inside in an emergency, see “Trunk emergency release” (▷ page 95).*

Opening the trunk from the inside




① Remote trunk opening switch

- ▶ Press remote trunk opening switch ① until the trunk begins to open.

The trunk opens. The indicator lamp comes on and remains lit until the trunk is closed.

Locking and unlocking

i If the trunk does not open, it is still locked separately (▷ page 95).

i The trunk can also be opened using button  on the SmartKey or from its inside in an emergency, see "Trunk emergency release" (▷ page 95).

Closing the trunk

Warning!



Make sure the trunk is closed when the engine is running and while driving. Among other dangers, deadly carbon monoxide (CO) gases may enter vehicle interior resulting in unconsciousness and death.

i Do not place the SmartKey in the open trunk. You may lock yourself out.



- ① Handle
- ② Handle

- ▶ Lower the trunk lid by pulling firmly on handle ① or handle ②.
- ▶ Close the trunk lid with hands placed flat on the trunk lid.

Warning!



To prevent possible personal injury, always keep hands and fingers away from the trunk lid opening when closing the trunk lid. Be especially careful when small children are around.

Warning!



When leaving the vehicle, always remove the SmartKey from the starter switch, take it with you, and lock the vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle. A child's unsupervised access to a vehicle could result in an accident and/or serious personal injury.

i If the vehicle was previously centrally locked, the trunk will lock automatically after closing it (▷ page 94). All turn signal lamps flash three times, and an acoustic signal sounds three times, to confirm locking.

Trunk emergency release

With the emergency release button, the trunk can be opened from inside the trunk.

The emergency release button is located on the inside of the trunk lid.



① Emergency release button

- ▶ Briefly press emergency release button ①.

The trunk lid unlocks and opens slightly.

- ▶ Push up the trunk lid to fully open.

i The emergency release button unlocks and opens the trunk while the vehicle is standing still or in motion.

Illumination of the emergency release button:



- The button flashes for 30 minutes after opening the trunk.
- The button flashes for 60 minutes after closing the trunk.

i The emergency release button does not unlock the trunk if the vehicle battery is discharged or disconnected.

i If the trunk does not open, it is still locked separately (▷ page 95).

i If the vehicle has previously been centrally locked with the SmartKey, opening the trunk from the inside using the emergency release button will trigger the anti-theft alarm system.

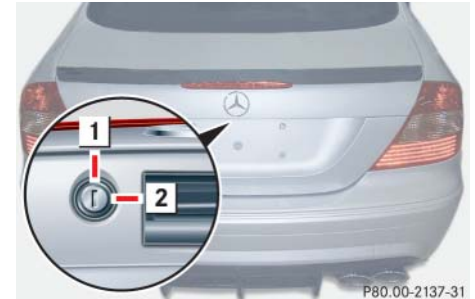
To cancel the alarm, do one of the following:

- Insert the SmartKey in the starter switch.
- Press button  or  on the SmartKey.

Valet locking

i To deny any unauthorized person access to the trunk, e.g. when you valet park the vehicle, lock it separately with the mechanical key. Leave only the SmartKey less its mechanical key with the vehicle.

The lock is located next to the handle above the rear license plate recess.



1 Neutral position

2 Locked



Locking and unlocking

▷▷ Close the trunk (▷ page 94).

- ▶ Pull the mechanical key out of the SmartKey (▷ page 303).
- ▶ Insert the mechanical key in the trunk lid lock.
- ▶ Turn the mechanical key clockwise to position **2** and remove the mechanical key in that position to lock the trunk.

The trunk remains locked even when the vehicle is centrally unlocked.

i You can only cancel the separate trunk locking mode by means of the mechanical key.

- ▶ Insert the mechanical key in the trunk lid lock.
- ▶ Turn the mechanical key counterclockwise to neutral position **1** and remove the mechanical key in that position to unlock the trunk.

You can now open the trunk (▷ page 93).

Automatic central locking

The doors and the trunk automatically lock when the ignition is switched on and the wheels are turning at vehicle speeds of approximately 9 mph or more.

i You can open a locked door from the inside. Open doors only when conditions are safe to do so.

i The doors unlock automatically after an accident if the force of the impact exceeds a preset threshold.

The vehicle locks automatically when the ignition is switched on and the wheels are turning at a vehicle speed of approximately 9 mph or more. You could therefore lock yourself out when the vehicle

- is pushed or towed
- is on a test stand

You can deactivate the automatic locking mode using the control system, see “Setting automatic central locking” (▷ page 131).

Locking and unlocking from the inside

Warning!



When leaving the vehicle, always remove the SmartKey from the starter switch, take it with you, and lock the vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle. A child's unsupervised access to a vehicle could result in an accident and/or serious personal injury.

You can lock or unlock the doors and the trunk from the inside using the central locking or unlocking switch. This can be useful, for example, if you want to lock the vehicle before starting to drive.

The central locking or unlocking switch do not lock or unlock the fuel filler flap and/or the glove box.

The switches are located in the upper part of the center console.



- ① Central unlocking switch
- ② Central locking switch

i You can open a locked door from the inside. Open door only when conditions are safe to do so.

If the vehicle was previously centrally locked with the SmartKey, it will not unlock using the central unlocking switch.

If the vehicle was previously locked with the central locking switch

- *and the SmartKey is set to factory settings, the complete vehicle is unlocked when a door is opened from the inside*
- *and the SmartKey is set to selective settings, only the door opened from inside is unlocked*

Locking

- ▶ Press central locking switch ②.
If all doors are closed, the vehicle locks.

Unlocking

- ▶ Press central unlocking switch ①.
The vehicle unlocks.

Seats

For information on seat adjustment, see “Adjusting” (▷ page 38).

Lumbar support

To support the spine, you can individually adjust the backrest contour of the front seats by regulating the air pressure in the air chambers of the seats.

i When you adjust the seat, noises may result from inflating air into or deflating air out of the air chambers.

You can adjust the following air chambers:

- sides of seat backrest
- backrest curvature in lumbar area (2 settings)



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- ① Adjusting backrest curvature
- ② Adjusting backrest curvature
- ③ Adjusting backrest sides

Action	Function
Pressing switch front	Inflates air into the air chambers
Pressing switch rear	Deflates air out of the air chambers

- ▶ Switch on the ignition (▷ page 35).
- ▶ Press switch ①, ②, or ③ front or rear until you have reached a comfortable seating position.

▼ Lighting

For information on how to switch on the headlamps and use the turn signals, see “Switching on headlamps” (▷ page 50) and see “Turn signals” (▷ page 51).

i If you drive in countries where vehicles drive on the other side of the road than the country in which the vehicle is registered, you must have the headlamps modified for symmetrical low beams. Relevant information can be obtained at any authorized Mercedes-Benz Center.

Exterior lamp switch



Exterior lamp switch

- 1 **→P←** Standing lamps, left (turn left two stops)
- 2 **P←→** Standing lamps, right (turn left one stop)
- 3 **0** Off
Daytime running lamp mode (▷ page 101)
- 4 **AUTO** Automatic headlamp mode
Daytime running lamp mode (▷ page 101)

- 5 **☰☷** Parking lamps (also tail lamps, license plate lamps, side marker lamps, instrument panel lamps)
- 6 **☰☷** Low beam headlamps or high beam headlamps
- 7 **☰☷** Rear fog lamp

i If you hear a warning signal, you have forgotten to switch off the low beam headlamps or the parking lamps before opening the driver’s door.

In addition the message *Switch Off Lights* appears in the multifunction display.

Switch off the low beam headlamps or the parking lamps.

If the message *Switch Off Lights Or Remove Key* appears in the multifunction display remove the SmartKey from the starter switch or switch off the automatic headlamp mode.

! Failure to switch off the exterior lamps when leaving the vehicle may result in a discharged battery.

Lighting

Low beam headlamps

The low beam headlamps can be switched on and off with the exterior lamp switch using the manual headlamp mode.

- ▶ Turn the exterior lamp switch to position .

The following lamps switch on:

- Low beam headlamps
- Tail and parking lamps
- License plate lamps
- Side marker lamps

Automatic headlamp mode


The following lamps switch on and off automatically depending on the brightness of the ambient light:



- Low beam headlamps
- Tail and parking lamps
- License plate lamps
- Side marker lamps

Warning!



If the exterior lamp switch is set to **AUTO**, the headlamps will not be automatically switched on under foggy conditions.

To minimize risk to you and to others, activate headlamps by turning exterior lamp switch to  when driving or when traffic and/or ambient lighting conditions require you to do so.

In low ambient lighting conditions, only switch from position **AUTO** to  with the vehicle at a standstill in a safe location. Switching from **AUTO** to  will briefly switch off the headlamps. Doing so while driving in low ambient lighting conditions may result in an accident.

The automatic headlamp feature is only an aid to the driver. The driver is responsible for the operation of the vehicle's lights at all times.

- ▶ Turn the exterior lamp switch to position **AUTO**.

With the SmartKey in starter switch position **1**, the tail and parking lamps, the license plate lamps and the side marker lamps will switch on and off depending on the brightness of the ambient light.

When the engine is running, the low beam headlamps, the tail and parking lamps, the license plate lamps and the side marker lamps will switch on and off depending on the brightness of the ambient light.

Daytime running lamp mode

The daytime running lamp mode is deactivated by default. Activate the daytime running lamp mode using the control system, see “Setting daytime running lamp mode” (▷ page 128).

- ▶ Turn the exterior lamp switch to position **0** or **AUTO**.

When the engine is running, the low beam headlamps are switched on.


In low ambient light conditions, the following lamps will switch on additionally:



- Tail and parking lamps
- License plate lamps
- Side marker lamps

i *With the daytime running lamp mode activated and the engine running, you cannot switch off the low beam headlamps manually.*

i *With the daytime running lamp mode activated and the exterior lamp switch in position **0**, you cannot switch on the high beam headlamps.*

The high beam flasher is available at all times.

*For nighttime driving turn the exterior lamp switch to position  or **AUTO** to permit activation of the high beam headlamps.*

When the engine is running, and you turn the exterior lamp switch to position  or , the manual headlamp mode has priority over the daytime running lamp mode.

The corresponding exterior lamps switch on (▷ page 99).



Locator lighting and night security illumination

Locator lighting and night security illumination are described in the “Control system” section, see “Setting locator lighting” (▷ page 129) and see “Setting night security illumination (Headlamps delayed shut-off feature)” (▷ page 129).

Rear fog lamp (driver’s side only)

Warning!



In low ambient lighting or foggy conditions, only switch from position **AUTO** to  with the vehicle at a standstill in a safe location. Switching from **AUTO** to  will briefly switch off the headlamps. Doing so while driving in low ambient lighting conditions may result in an accident.

Lighting

i Fog lamps will operate with the parking lamps and/or the low beam headlamps on. Fog lamps should only be used in conjunction with low beam headlamps. Consult your State or Province Motor Vehicle Regulations regarding permissible lamp operation.

i Fog lamps cannot be switched on with the exterior lamp switch in position **AUTO**. To switch on the fog lamps, turn the exterior lamp switch to position **☰** first.

- ▶ Turn the exterior lamp switch to position **☰** (▷ page 99).
- ▶ Pull out the exterior lamp switch.
The rear fog lamp switch on.
The yellow indicator lamp **0⚡** in the exterior lamp switch comes on (▷ page 99).
- ▶ Push in the exterior lamp switch.
The rear fog lamp is switched off.
The yellow indicator lamp **0⚡** in the exterior lamp switch goes out.


Combination switch




Combination switch


- ① High beam
- ② High beam flasher

High beam

- ▶ Turn the exterior lamp switch to position  (▷ page 99).
- ▶ Push the combination switch in direction of arrow ① to switch on the high beam.

The high beam headlamp indicator lamp  in the instrument cluster comes on (▷ page 26).

- ▶ Pull the combination switch in direction of arrow ② to its original position to switch off the high beam.

The high beam headlamp indicator lamp  in the instrument cluster goes out.

High beam flasher

- ▶ Pull the combination switch briefly in the direction of arrow ②.

Hazard warning flasher

The hazard warning flasher can be switched on at all times, even with the SmartKey removed from the starter switch.

The hazard warning flasher switches on automatically when an air bag deploys.

The hazard warning flasher switch is located on the center console.



① Hazard warning flasher switch

Switching on hazard warning flasher

- ▶ Press hazard warning flasher switch ①.

All turn signal lamps are flashing.

i With the hazard warning flasher activated and the combination switch set for either left or right turn, only the respective left or right turn signals will operate when the ignition is switched on.

Switching off hazard warning flasher

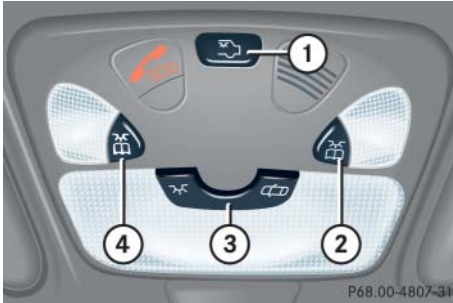
- ▶ Press hazard warning flasher switch ① again.

i If the hazard warning flasher has been activated automatically, press hazard warning flasher switch ① once to switch it off.

Lighting

Interior lighting

The controls are located in the overhead control panel.




- ① Rear interior lighting on/off
- ② Right front reading lamp on/off
- ③ Rocker switch for automatic control system
- ④ Left front reading lamp on/off

! An interior lamp switched on manually does not go out automatically.

Leaving an interior lamp switch in the ON position for extended periods of time with the engine turned off could result in a discharged battery.

Deactivating automatic control

i The interior lighting is factory-set to automatic mode.

- ▶ Press  symbol on rocker switch ③.

The interior lighting remains switched off in darkness, even when you

- unlock the vehicle
- remove the SmartKey from the starter switch
- open a door
- open the trunk

Activating automatic control

- ▶ Press rocker switch ③ to center position.

The interior lighting switch on in darkness, when you


- unlock the vehicle
- remove the SmartKey from the starter switch
- open a door
- open the trunk

The interior lighting switches off after approximately 10 seconds, see “Setting interior lighting delayed shut-off” (▷ page 130).

i If a door remains open, the interior lighting switches off automatically after approximately 5 minutes.

Manual control


Switching front interior lighting on and off

- ▶ Press  symbol on rocker switch ③.

The front interior lighting comes on.

- ▶ Press rocker switch ③ to center position to activate the automatic control.

Switching rear interior lighting on and off



- ▶ Press button .

The lighting in the rear passenger compartment comes on.

- ▶ Press button  again.

The lighting in the rear passenger compartment goes out.

Switching front reading lamps on and off

- ▶ Press left or right button  to switch on the desired front reading lamp.
- ▶ Press left or right button  again to switch off the respective front reading lamp.

Door entry lamps

For better orientation in the dark, the corresponding door entry lamps will switch on in darkness when you open a door and the automatic control is activated.

The door entry lamps will switch off when the corresponding door is closed.

i *If you turn the SmartKey in the starter switch to position 0 and switch off the headlamps, the door entry lamps will remain lit for approximately 5 minutes.*

Trunk lamp

The trunk lamp switches on if the trunk is opened.

If the trunk lid remains open, the trunk lamp switches off automatically after approximately 10 minutes.

Instrument cluster

For a full view illustration of the instrument cluster, see “Instrument cluster” (▷ page 26).



① Reset button

The instrument cluster is activated when you

- open a door
- switch on the ignition (▷ page 37)
- press reset button ①
- switch on the exterior lamps

You can change the instrument cluster settings in the Instrument cluster submenu of the control system (▷ page 126).

Warning!



No messages will be displayed if either the instrument cluster or the multifunction display is inoperative.

As a result, you will not be able to see information about your driving conditions, such as speed or outside temperature, warning/indicator lamps, malfunction/warning messages or the failure of any systems. Driving characteristics may be impaired.

If you must continue to drive, do so with added caution. Visit an authorized Mercedes-Benz Center as soon as possible.

Adjusting instrument cluster illumination

Use reset button ① to adjust the illumination brightness for the instrument cluster.

i *The instrument cluster illumination is dimmed or brightened automatically to suit ambient light conditions.*

The instrument cluster illumination will also be adjusted automatically when you switch on the vehicle's exterior lamps.

To brighten illumination

- ▶ Turn reset button ① clockwise.

The instrument cluster illumination will brighten.

To dim illumination

- ▶ Turn reset button ① counterclockwise.

The instrument cluster illumination will dim.

Coolant temperature gauge

The coolant temperature gauge is on the right side in the instrument cluster (▷ page 26).

Warning!



- Driving when your engine is overheated can cause some fluids which may have leaked into the engine compartment to catch fire. You could be seriously burned.
- Steam from an overheated engine can cause serious burns which can occur just by opening the hood. Stay away from the engine if you see or hear steam coming from it.

Stop the vehicle in a safe location away from other traffic. Turn off the engine, get out of the vehicle and do not stand near the vehicle until the engine has cooled down.

! Excessive coolant temperature triggers a warning in the multifunction display (▷ page 288) and the red coolant warning lamp in the instrument cluster comes on (▷ page 267).

The engine should not be operated with the coolant temperature above 248 °F. Doing so may cause serious engine damage which is not covered by the Mercedes-Benz Limited Warranty.

i During severe operating conditions, e.g. stop-and-go traffic, the coolant temperature may rise close to 248 °F.

Resetting trip odometer

- ▶ Make sure you are viewing the standard display in the multifunction display (▷ page 115).
- ▶ If it is not displayed, press button or on the multifunction steering wheel repeatedly until the standard display appears (▷ page 110).
- ▶ Press and hold the reset button on the instrument cluster (▷ page 106) until the trip odometer is reset.

Tachometer

The red marking on the tachometer (▷ page 26) denotes excessive engine speed.

! *Avoid driving at excessive engine speeds, as it may result in serious engine damage that is not covered by the Mercedes-Benz Limited Warranty.*

To help protect the engine, the fuel supply is interrupted if the engine is operated within the red marking.

Clock

i *For information on setting the time, refer to the separate COMAND system operating instructions.*

Outside temperature indicator

Warning!



The outside temperature indicator is not designed to serve as an ice-warning device and is therefore unsuitable for that purpose.

Indicated temperatures just above the freezing point do not guarantee that the road surface is free of ice. The road may still be icy, especially in wooded areas or on bridges.

The outside temperature is displayed in the multifunction display (▷ page 109).

The outside temperature sensor is located in the front bumper area. Due to its location, the sensor can be affected by road or engine heat during idling or slow driving. This means that the accuracy of the displayed temperature can only be verified by comparison to a thermometer placed next to the sensor, not by comparison to external displays (e.g. bank signs etc.).

When moving the vehicle into colder ambient temperatures (e.g. when leaving your garage), you will notice a delay before the lower temperature is displayed.

A delay also occurs when ambient temperatures rise. This prevents inaccurate temperature indications caused by heat radiated from the engine during idling or slow driving.

▼ Control system

The control system is activated as soon as the SmartKey in the starter switch is turned to position **1**. The control system enables you to

- call up information about your vehicle
- change vehicle settings

For example, you can use the control system to find out when your vehicle is next due for service, to set the language for messages in the instrument cluster display, and much more.

Warning!



A driver's attention to the road and traffic conditions must always be his/her primary focus when driving.

For your safety and the safety of others, selecting features through the multifunction steering wheel should only be done by the driver when traffic and road conditions permit it to be done safely.

Bear in mind that at a speed of just 30 mph, your vehicle is covering a distance of 44 feet every second.

The control system relays information to the multifunction display.

Multifunction display



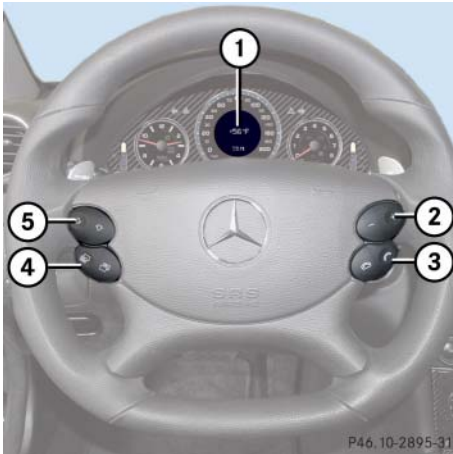
- ① Outside temperature
- ② Trip odometer
- ③ Current shift program mode
- ④ Main odometer
- ⑤ Current gear selector lever position/gear range

For more information on menus displayed in the multifunction display, see “Menus” (▷ page 112).

Control system

Multifunction steering wheel

The displays in the multifunction display and the settings in the control system are controlled by the buttons on the multifunction steering wheel (> page 28).



① Multifunction display

Operating the control system

② Selecting the submenu or setting the volume:

Press button

+ up / to increase


- down / to decrease


③ Telephone button¹

¹ Button without function.

④ Menu systems:


Press button

 for next menu

 for previous menu

⑤ Moving within a menu:

Press button

 for next display





 for previous display

Depending on the selected menu (▷ page 112), pressing the buttons on the multifunction steering wheel will alter what is shown in the multifunction display.

The information available in the multifunction display is arranged in menus, and accompanying functions or submenus.

The individual functions are then found within the relevant menu (radio or CD operations under *Audio*, for example). These functions serve to call up relevant information or to customize the settings for your vehicle.

It is helpful to think of the menus, and the functions within each menu, as being arranged in a circular pattern.

- If you press button  or  repeatedly, you will pass through each menu one after the other.
- If you press button  or  repeatedly, you will pass through each function display, one after the other, in the current menu.

In the *Settings* menu, instead of functions, you will find a number of submenus for calling up and changing settings. For instructions on using these submenus, see “Settings menu” (▷ page 123).

The number of menus available in the system depends on which optional equipment is installed in your vehicle.

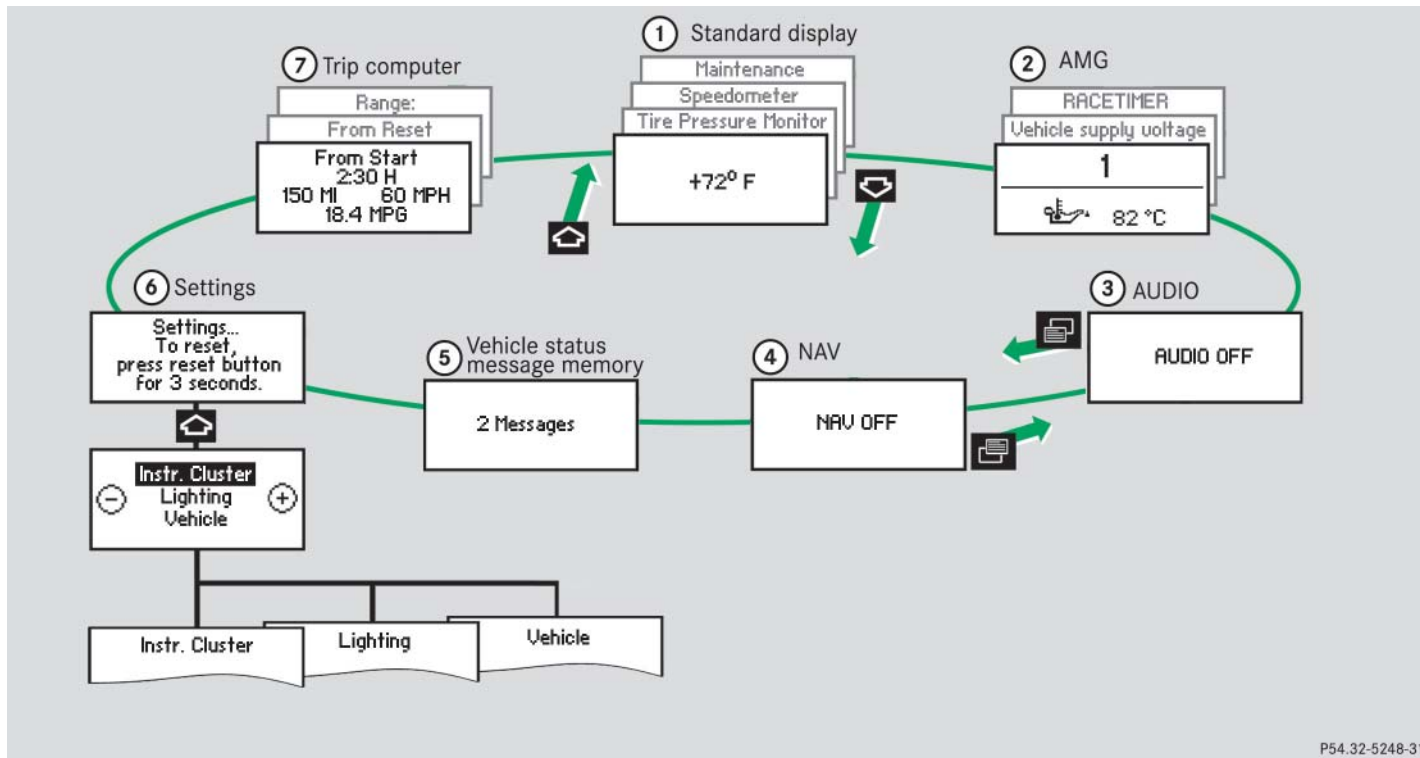
The menus are described on the following pages.

Control system

Menus

This is what you will see when you scroll through the menus.

The tables on the next pages provides an overview of the individual menus.



Menus, submenus and functions

	Menu ①	Menu ②	Menu ③	Menu ④
	Standard display (▷ page 115)	AMG (▷ page 116)	AUDIO (▷ page 119)	NAV (▷ page 121)
Commands/submenus	Outside temperature and trip odometer	Engine oil temperature	Selecting radio station	Route guidance instructions, current direction traveled
	Checking tire inflation pressure	Vehicle supply voltage	Selecting satellite radio station	
	Calling up digital speedometer	RACETIMER	Operating CD player	
	Calling up maintenance service indicator	Overall analysis		
	Lap analysis			

i The headings used in the menus table are designed to facilitate navigation within the system and are not necessarily identical to those shown in the control system displays.

The first function displayed in each menu will automatically show you which part of the system you are in.

Table continued on next page.

Control system

	Menu ⑤	Menu ⑥	Menu ⑦
	Vehicle status message memory¹ (▷ page 122)	Settings (▷ page 123)	Trip computer (▷ page 132)
Commands/submenus	Calling up malfunction messages, warning messages, and system status messages stored in memory	Resetting to factory settings Instrument cluster submenu Lighting submenu Vehicle submenu	Fuel consumption statistics since start Fuel consumption statistics since last reset Resetting fuel consumption statistics Distance to empty

¹ The vehicle status message memory menu is only displayed if there is a message stored.

i *The headings used in the menus table are designed to facilitate navigation within the system and are not necessarily identical to those shown in the control system displays.*

The first function displayed in each menu will automatically show you which part of the system you are in.



Standard display menu



In the standard display, the outside temperature and the trip odometer appears in the multifunction display.

i You can have the digital speedometer displayed instead of the outside temperature in the standard display. You can select the setting in the submenu Instr. Cluster via the function Basic Display (▷ page 127).



- ① Outside temperature
- ② Trip odometer



If you see another display, press button  or  repeatedly until the standard display appears.

- ▶ Press button  or  to select the functions in the standard display menu.

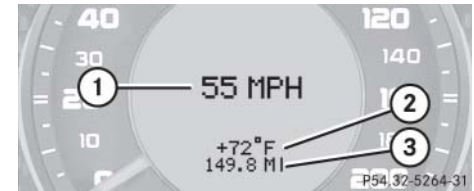
The following functions are available:

Function	Page
Checking tire inflation pressure	229
Calling up digital speedometer	115
Calling up maintenance service indicator	252

Calling up digital speedometer

- ▶ Press button  or  until the digital speedometer appears in the multifunction display.

The current vehicle speed is shown in the multifunction display and the status line appears.





- ① Digital Speedometer
- ② Status line with outside temperature
- ③ Trip odometer

i You can have the digital speedometer displayed instead of the outside temperature in the status line. You can select the setting in the submenu Instr. Cluster via the function Status Line Display (▷ page 127).

Control system

AMG menu

The main screen of the AMG menu shows you the gear currently engaged as well as the engine oil temperature.



- ▶ Press button  or  repeatedly until the AMG menu appears in the multifunction display.



- ① Gear indicator
- ② Engine oil temperature




i The engine oil temperature value and unit flash if the engine oil temperature has not yet reached 80 °C. During this time, avoid driving at full engine speed.

i If the engine reaches the overspeed range in the manual shift program, the menu will be shown in red (▷ page 145). In addition, you will see **UP** next to gear indicator ① as a reminder to upshift.

- ▶ Use buttons  or  to select the following functions in the AMG menu:

Function	Page
Vehicle supply voltage	116
RACETIMER	117
Overall analysis	118
Lap analysis	119

Vehicle supply voltage

- ▶ Press button  or  repeatedly until the AMG menu appears in the multifunction display.
- ▶ Press button  repeatedly until the vehicle supply voltage appears in the multifunction display.



- ① Gear indicator
- ② Vehicle supply voltage



RACETIMER


Warning!

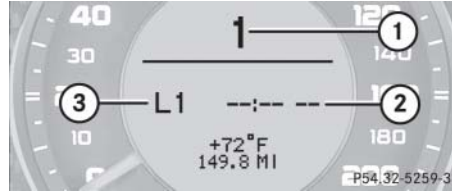


The RACETIMER feature is only for use on roads and in conditions where high speed driving is permitted. Racing on public roads is prohibited under all circumstances and the driver is and must always remain responsible for following posted speed limits.

The RACETIMER allows you to time and save driving stretches in hours, minutes and seconds.



- ▶ Press button  or  repeatedly until the AMG menu appears in the multifunction display.

- ▶ Press button  repeatedly until the RACETIMER appears in the multifunction display.




- ① Gear indicator
- ② RACETIMER
- ③ Lap


i You can start the RACETIMER when the engine is running or the starter switch is in position 2 (▷ page 35).

i While the RACETIMER is being displayed, you can not adjust the audio volume using button  or .


Starting the RACETIMER


- ▶ Press button .
- The timer starts.

Displaying intermediate time

- ▶ Press button  while the timer is running.
- The intermediate time is shown for 5 seconds.

Stopping the RACETIMER

- ▶ Press button .
- The timer stops.

i When you stop the vehicle and turn the SmartKey to position 1 (▷ page 35), the RACETIMER stops timing. Timing is resumed when you switch the ignition back on (▷ page 35) or restart the engine (▷ page 46) and then press button .

Control system

Saving lap time and starting a new lap

i You can save up to 9 laps.

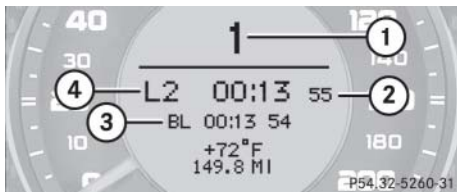
- ▶ Press button **[-]** while the timer is running.

The intermediate time will be shown for 5 seconds.

- ▶ Press button **[-]** within 5 seconds.

The intermediate time shown will be saved as a lap time.

The RACETIMER begins timing the new lap. The new lap begins to be timed as soon as the intermediate time is called up.



- ① Gear indicator
- ② RACETIMER
- ③ Best lap time
- ④ Lap number

Resetting current lap

- ▶ Press button **[+]** while the timer is running.

The timer stops.

- ▶ Press button **[-]**.

The lap time is reset to "0".

Deleting all laps

i It is not possible to delete a single saved lap.

- ▶ Press button **[+]** while the timer is running.

The timer stops.

- ▶ Press the reset button twice (▷ page 106).

- ▶ Press button **[+]**.

The timer starts. The saved laps are deleted.

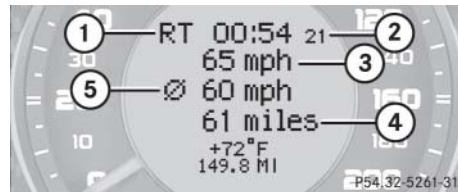
i When you turn off the engine, the RACETIMER will be reset to "0" after 30 seconds. All laps are deleted.

Overall analysis

i These functions are only available if you have saved at least one lap and have stopped the RACETIMER.

- ▶ Press button **[☰]** or **[☷]** repeatedly until the AMG menu appears in the multifunction display.

- ▶ Press button **[↶]** repeatedly until the overall analysis appears in the multifunction display.

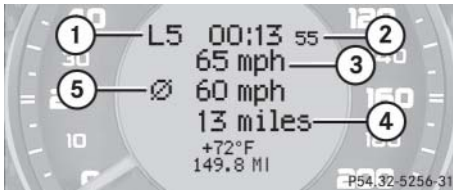


- ① Overall analysis of RACETIMER
- ② Overall driving time
- ③ Maximum speed
- ④ Overall distance driven
- ⑤ Average speed

Lap analysis

i These functions are only available if you have saved at least two laps and have stopped the RACETIMER.

- ▶ Press button or repeatedly until the AMG menu appears in the multifunction display.
- ▶ Press button repeatedly until the lap analysis appears in the multifunction display.



- ① Lap number
 - ② Lap time
 - ③ Maximum speed
 - ④ Lap length
 - ⑤ Average speed during lap
- ▶ Press button or to see other lap analysis.

i Each lap is shown in its own submenu. The fastest lap is indicated by flashing symbol ①.

AUDIO menu

The functions in the Audio menu operate the audio equipment which you currently have turned on.

If no audio equipment is currently turned on, the message *Audio Off* appears in the multifunction display.

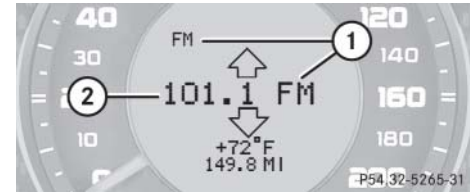
The following functions are available:

Function	Page
Selecting radio station	119
Selecting satellite radio station	120
Operating CD player	120

Selecting radio station

- ▶ Turn on the COMAND system and select radio. Refer to separate COMAND system operating instructions.

- ▶ Press button or repeatedly until the currently tuned station appears in the multifunction display.



- ① Waveband setting
 - ② Station frequency
- ▶ Press button or repeatedly until the desired station is found.

The station search depends on the selected setting in the *Vehicle* submenu of the control system (▷ page 131). Pressing button or will either start a frequency scan or select the next stored radio station.

Control system

i You can only store new stations using the corresponding feature on the radio. Refer to separate COMAND system operating instructions.

You can also operate the radio in the usual manner.



Selecting satellite radio station

The satellite radio is treated as a radio application.

- ▶ Select satellite radio with the corresponding soft key on the COMAND system.



- ① SAT mode and preset number
- ② Setting for station selection using memory
- ③ Channel name or number



- ▶ Press button  or  repeatedly until the desired channel is found.

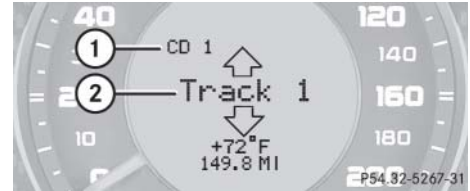
i Additional optional satellite radio equipment and a subscription to satellite radio service provider are required for satellite radio operation. Contact an authorized Mercedes-Benz Center for details and availability for your vehicle.



For more information, refer to separate COMAND system operating instructions.

Operating CD player

Selecting CD track

- ▶ Turn on the COMAND system and select CD. Refer to separate COMAND system operating instructions.
- ▶ Press button  or  repeatedly until the settings for the CD currently being played appear in the multifunction display.





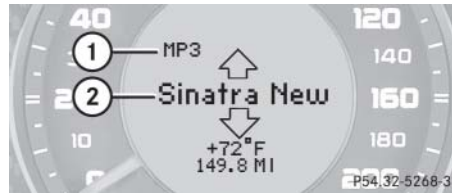
- ① Current CD (with additional number from 1 to 6 when running from CD changer)
 - ② Current track
- ▶ Press button  or  repeatedly until the desired track is selected.
- i** To select a CD from the CD changer magazine, press a number on the COMAND system key pad located in the center console.

Selecting MP3-CD track

- ▶ Turn on the COMAND system and select MP3. Refer to separate COMAND system operating instructions.

i A CD with MP3 files insert in the CD changer is handled by the COMAND system like an audio CD. Information contained on the CD with MP3 files will not shown in the multifunction display or in the COMAND system display.

- ▶ Press button  or  repeatedly until the settings for the MP3-CD currently being played appear in the multifunction display.



- ① MP3 mode
- ② Current track



- ▶ Press button  or  repeatedly until the desired track is selected.

i Level of information displayed will vary depending on the information contained on the CD with MP3 files insert in the single CD player of the COMAND system.

To select a CD from the CD changer magazine, press a number on the COMAND system key pad located in the center console.

NAV menu

The Navi menu contains the functions needed to operate your navigation system.

- ▶ Press button  or  repeatedly until the message Navi appears in the multifunction display.

The message shown in the multifunction display depends on the status of the navigation system:

- With the COMAND system switched off, the message **Navi off** appears in the multifunction display.
- With the COMAND system switched on but route guidance not activated, the direction of travel and, if applicable, the name of the street currently traveled on appear in the multifunction display.
- With the COMAND system switched on and route guidance activated, the direction of travel and maneuver instructions appear in the multifunction display.

Control system

Please refer to the COMAND system manual for instructions on how to activate the route guidance system.

Vehicle status message memory menu



Use the vehicle status message memory menu to scan malfunction and warning messages that may be stored in the system. Such messages appear in the multifunction display and are based on conditions or system status the vehicle's system recorded.

The vehicle status message memory menu only appears, if messages have been stored.

Warning!





Malfunction and warning messages are only indicated for certain systems and are intentionally not very detailed. The malfunction and warning messages are simply a reminder with respect to the operation of certain systems and do not replace the owner's and/or driver's responsibility to maintain the vehicle's operating safety by having all required maintenance and safety checks performed on the vehicle and by bringing the vehicle to an authorized Mercedes-Benz Center to address the malfunction and warning messages (▷ page 276).

- ▶ Press button  or  repeatedly until the vehicle status message memory appears in the multifunction display.

If the vehicle status message memory menu does not appear, then there are no messages stored.

If conditions have occurred causing status messages to be recorded, the number of messages appears in the multifunction display:



- ① Number of recorded status messages
- ▶ Press button  or .

The stored messages will now be displayed in the order in which they have occurred.

For malfunction and warning messages, see “Vehicle status messages in the multifunction display” (▷ page 276).



Should the vehicle's system record any conditions while driving, the number of messages will reappear in the multifunction display when the SmartKey in the starter switch is turned to position **0** or removed from the starter switch.

i *The vehicle status message memory will be cleared when you turn the SmartKey in the starter switch to position **1** or **2** (▷ page 35).*

You will then only see high-priority messages in the multifunction display (▷ page 276).

Settings menu

In the Settings menu there are two functions:

- The function **Reset to factory settings?**, with which you can reset all the settings to the original factory settings.
 - A collection of submenus (▷ page 125) with which you can make individual settings for your vehicle.
- ▶ Press button  or  repeatedly until the Settings menu appears in the multifunction display.



Resetting all settings

You can reset the functions of all submenus to the factory settings.

- ▶ Press the reset button in the instrument cluster (▷ page 106) for approximately 3 seconds.

The request to press the reset button once more to confirm appears in the multifunction display.



- ▶ Press the reset button once more.

The functions of all the submenus will reset to factory settings.

Control system

i The settings you have changed will not be reset unless you confirm the action by pressing the reset button a second time.


After approximately 5 seconds, the Settings menu reappears in the multifunction display (▷ page 123).

i For safety reasons, resetting the function Headlamp Mode in the Lighting submenu cannot be reset while driving.

The following message appears in the multifunction display:


Lighting - Cannot be completely reset to factory settings while driving.

Submenus in the Settings menu



▶ Press button .




The collection of the submenus appears in the multifunction display.





▶ Press button .

The selection marker moves to the next submenu.

The submenus are arranged by hierarchy. Scroll down with button , scroll up with button .

With the selection marker on the desired submenu, use button  to access the individual functions within that submenu. Once within that submenu, you can use button  to move to the next function or button  to move to the previous function within that submenu.

The settings themselves are made with button  or .

Resetting the functions of a submenu

For each submenu you can reset the functions to the factory settings.

- ▶ Move to a function in the submenu.
- ▶ Press the reset button (▷ page 106) in the instrument cluster for approximately 3 seconds.

The request to press the reset button once more to confirm appears in the multifunction display.

- ▶ Press the reset button once more.

All functions of the submenu will reset to factory settings.

i The settings you have changed will not be reset unless you confirm the action by pressing the reset button a second time.

After approximately 5 seconds, the Settings menu reappears in the multifunction display (▷ page 123).

The table below shows what settings can be changed within the various menus.

Detailed instructions on making individual settings can be found on the following pages.

Instrument Cluster (▷ page 126)	Lighting (▷ page 128)	Vehicle (▷ page 131)
Selecting speedometer display mode	Setting daytime running lamp mode	Audio search function
Selecting language	Setting locator lighting	Setting automatic central locking
Selecting display (speed display or outside temperature) for status indicator	Setting night security illumination	
Selecting display (speed display or outside temperature) for standard display	Setting interior lighting delayed shut-off	

Control system

Instrument cluster submenu

Access the Instr. Cluster submenu via the Settings menu. Use the Instr. Cluster submenu to change the instrument cluster display settings.

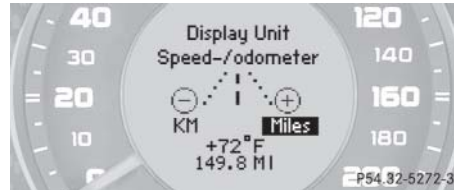
The following functions are available:

Function	Page
Selecting speedometer display mode	126
Selecting language	126
Selecting display (speed display or outside temperature) for status line	127
Selecting display (speed display or outside temperature) for standard display	127

Selecting speedometer display mode

- ▶ Move the selection marker with button **+** or **-** to the Instr. Cluster submenu.
- ▶ Press button **▲** or **▼** repeatedly until the message Display Unit Speed-/odometer appears in the multifunction display.

The selection marker is on the current setting.



- ▶ Press button **+** or **-** to set speedometer unit to KM or Miles.

Selecting language

- ▶ Move the selection marker with button **+** or **-** to the Instr. Cluster submenu.
- ▶ Press button **▲** or **▼** repeatedly until the message Language appears in the multifunction display.

The selection marker is on the current setting.



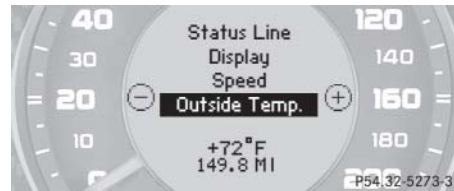
- ▶ Press button **+** or **-** to select the language to be used for the multifunction display messages.

Available languages:

- German
- English
- French
- Italian
- Spanish
- Dutch
- Danish
- Swedish
- Portuguese
- Turkish

Selecting display (speed display or outside temperature) for status line

- ▶ Move the selection marker with button **+** or **-** to the Instr. Cluster submenu.
 - ▶ Press button **▲** or **▼** repeatedly until the message Status Line Display appears in the multifunction display.
- The selection marker is on the current setting.



- ▶ Press button **+** or **-** to select the desired setting.

i You will see the status line when you have called up a different display from the standard display.

Selecting display (speed display or outside temperature) for standard display

- ▶ Move the selection marker with button **+** or **-** to the Instr. Cluster submenu.
 - ▶ Press button **▲** or **▼** repeatedly until the message Basic Display appears in the multifunction display.
- The selection marker is on the current setting.



- ▶ Press button **+** or **-** to select the display mode shown in the basic display.

Control system

Lighting submenu

Access the Lighting submenu via the Settings menu. Use the Lighting submenu to change the lamp and lighting settings on your vehicle.

The following functions are available:

Function	Page
Setting daytime running lamp	128
Setting locator lighting	129
Setting night security illumination	129
Setting interior lighting delayed shut-off	130

Setting daytime running lamp mode

- ▶ Move the selection marker with button **+** or **-** to the Lighting submenu.
- ▶ Press button **▲** or **▼** repeatedly until the message Headlamp Mode appears in the multifunction display.

The selection marker is on the current setting.



- ▶ Press button **+** or **-** to select manual operation (Manual) or daytime running lamp mode (Constant).

With daytime running lamp mode activated and the exterior lamp switch in position **0** or **AUTO**, the low beam headlamps are switched on when the engine is running.

In low ambient light conditions the following lamps will switch on additionally:

- Parking lamps
- Tail lamps
- License plate lamps
- Side marker lamps


For more information on the daytime running lamp mode, see “Lighting” (▷ page 99).

i For safety reasons, changing the setting for the daytime running lamp mode is not possible while the vehicle is in motion. The following message appears in the multifunction display:

Setting can only be made at a standstill.

For safety reasons, resetting to factory settings (▷ page 123) while driving will not deactivate the daytime running lamp mode.



Setting locator lighting



With the locator lighting feature activated and the exterior lamp switch in position **AUTO**, the following lamps will switch on during darkness when the vehicle is unlocked using button  on the SmartKey:

- Parking lamps
- Tail lamps
- License plate lamps
- Side marker lamps

The locator lighting switches off when the driver's door is opened.



If you do not open a door after unlocking the vehicle with the SmartKey, the lamps will switch off automatically after approximately 40 seconds.

- ▶ Move the selection marker with button  or  to the Lighting submenu.

- ▶ Press button  or  repeatedly until the message Surround Light. Function appears in the multifunction display.

The selection marker is on the current setting.



- ▶ Press button  or  to switch the locator lighting function On or Off
 - ▶ Turn the exterior lamp switch to position **AUTO** when exiting the vehicle.
- The locator lighting feature is activated.

Setting night security illumination (Headlamps delayed shut-off feature)

Use this function to set whether you would like the exterior lamps to remain on for 15 seconds during darkness after exiting the vehicle and closing all doors.

With the headlamps delayed shut-off feature activated and the exterior lamp switch in position **AUTO** before the engine is turned off, the following lamps will switch on when the engine is turned off:

- Parking lamps
- Tail lamps
- License plate lamps
- Side marker lamps

If after turning off the engine you do not open a door or do not close an opened door, the lamps will automatically switch off after 60 seconds.

Control system

- ▶ Move the selection marker with button **+** or **-** to the Lighting submenu.
- ▶ Press button **▲** or **▼** repeatedly until the message **Headlamps Delayed Shut-off** appears in the multifunction display.

The selection marker is on the current setting.



- ▶ Press button **+** or **-** to switch the headlamps delayed shut-off feature On or Off.
- ▶ Turn the exterior lamp switch to position **AUTO** before turning off the engine.

The headlamps delayed shut-off feature is activated.

You can temporarily deactivate the headlamps delayed shut-off feature:

- ▶ Before exiting the vehicle, turn the SmartKey in the starter switch to position **0**.
- ▶ Then turn it to position **2** and back to **0**.

The headlamps delayed shut-off feature is deactivated. It will reactivate as soon as you reinsert the SmartKey in the starter switch.

Setting interior lighting delayed shut-off

Use this function to set whether you would like the interior lighting to remain on for 10 seconds during darkness after you have removed the SmartKey from the starter switch.

- ▶ Move the selection marker with button **+** or **-** to the Lighting submenu.
- ▶ Press button **▲** or **▼** repeatedly until the message **Interior Lighting Delayed Shut-off** appears in the multifunction display.

The selection marker is on the current setting.



- ▶ Press button **+** or **-** to switch the interior lighting delayed shut-off feature On or Off.

Vehicle submenu

Access the Vehicle submenu via the Settings menu. Use the Vehicle submenu to make general vehicle settings.

The following functions are available:

Function	Page
Audio search function	131
Setting automatic central locking	131

Audio search function

Use of the Audio search function to select a radio station will enable you to start a frequency scan (Frequenc.) (▷ page 119) or select a radio station stored in memory (Memory).

- ▶ Move the selection marker with button **+** or **-** to the Vehicle submenu.
- ▶ Press button **▲** or **▼** repeatedly until the message Audio Search Function appears in the multifunction display.

The selection marker is on the current setting.



- ▶ Press button **+** or **-** to select Frequenc. or Memory.

Setting automatic central locking

Use this function to activate or deactivate the automatic central locking. With the automatic central locking system activated, the vehicle is centrally locked at vehicle speeds of approximately 9 mph.

- ▶ Move the selection marker with button **+** or **-** to the Vehicle submenu.
- ▶ Press button **▲** or **▼** repeatedly until the message Automatic Door Locking appears in the multifunction display.

The selection marker is on the current setting.



- ▶ Press button **+** or **-** to switch the automatic central locking On or Off.

Control system





Trip computer menu

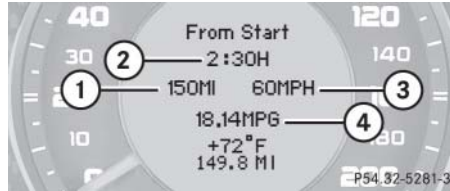
Use the trip computer menu to call up statistical data on your vehicle.

The following information is available:

Function	Page
Fuel consumption statistics since start	132
Fuel consumption statistics since last reset	132
Resetting fuel consumption statistics	133
Distance to empty	133

Fuel consumption statistics since start

- ▶ Press button  or  repeatedly until the first function of the trip computer menu appears in the multifunction display.
- ▶ Press button  or  repeatedly until the message From Start appears in the multifunction display.







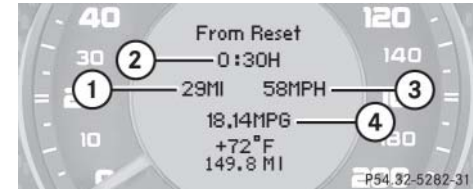
- ① Distance driven since start
- ② Time elapsed since start
- ③ Average speed since start
- ④ Average fuel consumption since start

i All statistics stored since the last engine start will be reset approximately 4 hours after the SmartKey in the starter switch is turned to position 0 or removed from the starter switch.

Resetting will not occur if you turn the SmartKey back to position 1 or 2 within this time period.





Fuel consumption statistics since last reset

- ▶ Press button  or  repeatedly until the first function of the trip computer menu appears in the multifunction display.
- ▶ Press button  or  repeatedly until the message From Reset appears in the multifunction display.







- ① Distance driven since last reset
- ② Time elapsed since last reset
- ③ Average speed since last reset
- ④ Average fuel consumption since last reset

Resetting fuel consumption statistics

- ▶ Press button  or  repeatedly until the first function of the trip computer menu appears in the multifunction display.
- ▶ Press button  or  repeatedly until the reading that you want to reset appears in the multifunction display.
- ▶ Press and hold the reset button in the instrument cluster (▷ page 106) until the value is reset to 0.

Distance to empty

- ▶ Switch on the ignition (▷ page 35).
- ▶ Press button  or  repeatedly until the first function of the trip computer menu appears in the multifunction display.
- ▶ Press button  or  repeatedly until the message Range: appears in the multifunction display.

The calculated remaining driving range based on the current fuel tank level appears in the multifunction display.



i If only very little fuel is left in the tank, a fuel pump is shown instead of the range.

Automatic transmission

For more information on driving with an automatic transmission, see “Automatic transmission” (▷ page 46).

Your vehicle’s transmission adapts its gear shifting process to your individual driving style by continually adjusting the shift points up or down. These shift point adjustments are performed based on current operating and driving conditions.

If the operating conditions change, the automatic transmission reacts by adjusting its shift program.

i During the brief warm-up, transmission upshifting is delayed. This allows the catalytic converter to heat up more quickly to operating temperature.

Warning!

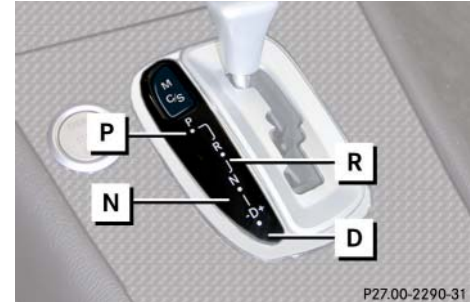


Make sure that absolutely no objects are obstructing the pedals’ range of movement. Keep the driver’s footwell clear of all obstacles. If there are any floor mats or carpets in the footwell, make sure that the pedals still have sufficient clearance.

During sudden driving or braking maneuvers the objects could get caught between or beneath the pedals. You could then no longer brake or accelerate. This could lead to accidents and injury.

Gear selector lever

The gear selector lever is located on the lower part of the center console.



P27.00-2290-31

Gearshift pattern for automatic transmission

- P** Park position
- R** Reverse gear
- N** Neutral
- D** Drive position

i The current gear selector lever position **P**, **R**, **N** or **D** appears in the multifunction display (▷ page 136).

Warning!

It is dangerous to shift the gear selector lever out of park position **P** or neutral position **N** if the engine speed is higher than idle speed. If your foot is not firmly on the brake pedal, the vehicle could accelerate quickly forward or reverse. You could lose control of the vehicle and hit someone or something. Only shift into gear when the engine is idling normally and when your right foot is firmly on the brake pedal.

An additional indication of the current gear selector lever position can be found on the cover of the shifting-gate.

The indicators come on when you, for example, unlock the vehicle or opening a door and go out after approximately 15 minutes.

Shifting procedure

The automatic transmission selects individual gears automatically, depending on:

- gear selector lever position **D** (▷ page 136) with gear ranges (▷ page 138)
- the selected program mode (**M/C/S**) (▷ page 139)
- the position of the accelerator pedal (▷ page 137)
- the vehicle speed

! Allow engine to warm up under low load use. Do not place full load on the engine until the operating temperature has been reached.

Shift into reverse gear **R** or park position **P** only when the vehicle is stopped.

Avoid spinning of a drive wheel for an extended period when driving off on slippery road surfaces. This may cause serious damage to the drivetrain which is not covered by the Mercedes-Benz Limited Warranty.

When the gear selector lever is in drive position **D**, you can influence transmission shifting by:

- limiting the gear range
- changing gears manually

Automatic transmission

Gear selector lever positions

The current gear selector lever position appears in the multifunction display.



① Current gear selector lever position

Effect

P Park position

Gear selector lever position when the vehicle is parked. Place gear selector lever in park position **P** only when vehicle is stopped. The park position is not intended to serve as a brake when the vehicle is parked. Rather, the driver should always set the parking brake in addition to placing the gear selector lever in park position **P** to secure the vehicle.

Effect

The SmartKey can only be removed from the starter switch with the gear selector lever in park position **P**. With the SmartKey removed, the gear selector lever is locked in park position **P**.

If the vehicle's electrical system is malfunctioning, the gear selector lever could remain locked in park position **P** (▷ page 305).

R Reverse gear

Place gear selector lever in position **R** only when vehicle is stopped.

	Effect
N	<p>Neutral</p> <p>No power is transmitted from the engine to the drive axle. When the brakes are released, the vehicle can be moved freely (pushed or towed).</p> <p>To avoid damage to the transmission, never engage neutral position N while driving.</p> <p>If the ESP® is deactivated or malfunctioning: Move gear selector lever to neutral position N only if the vehicle is in danger of skidding, e.g. on icy roads.</p>
D	<p>Drive</p> <p>The transmission shifts automatically. All forward gears are available.</p>

! *Coasting the vehicle, or driving for any other reason with gear selector lever in neutral position **N** can result in transmission damage that is not covered by the Mercedes-Benz Limited Warranty.*

Warning!



Getting out of your vehicle with the gear selector lever not fully engaged in park position **P** is dangerous. Also, park position **P** alone is not intended to or capable of preventing your vehicle from moving, possibly hitting people or objects.

Always set the parking brake in addition to shifting to park position **P** (▷ page 55).

When parked on an incline, turn the front wheels towards the road curb.

Do not park this vehicle in areas where combustible materials such as grass, hay or leaves can come into contact with the hot exhaust system, as these materials could be ignited and cause a vehicle fire.

Warning!



When leaving the vehicle, always remove the SmartKey from the starter switch, take it with you, and lock the vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle. Children could move the gear selector lever from park position **P**, which could result in an accident and/or serious personal injury.

Driving tips

Accelerator position

Your driving style influences the transmission's shifting behavior:

Less throttle	Earlier upshifting
More throttle	Later upshifting

Automatic transmission

Kickdown

Use kickdown when you want maximum acceleration.

- ▶ Press the accelerator past the point of resistance.

Depending on the engine speed the transmission shifts into a lower gear.

- ▶ Ease on the accelerator when you have reached the desired speed.

The transmission shifts up again.

Stopping

When you stop briefly, e.g. at traffic lights:

- ▶ Leave the transmission in gear.
- ▶ Hold the vehicle with the brake.

When you stop for a longer period of time with the engine idling and/or on a hill:

- ▶ Set the parking brake.
- ▶ Move the gear selector lever to park position **P**.

Maneuvering

When you maneuver in tight areas, e.g. when pulling into a parking space:

- ▶ Control the vehicle speed by gradually releasing the brakes.
- ▶ Accelerate gently.
- ▶ Never abruptly step on the accelerator.

Working on the vehicle

Warning!



When working on the vehicle, set the parking brake and move gear selector lever to park position **P**. Otherwise the vehicle could roll away.

Gear ranges

With the gear selector lever in drive position **D** and driving in program mode **C** or **S**, you can select a gear range for the automatic transmission to operate within.

Gear selector lever (▷ page 140):

You can limit the gear range by pressing the gear selector lever to the left (**D-**), and reverse the gear range limit by pressing the gear selector lever to the right (**D+**).

Steering wheel gearshift control (▷ page 142):

You can limit the gear range by pulling the left gearshift paddle on the steering wheel gearshift control, and reverse the gear range limit by pulling the right gearshift paddle on the steering wheel gearshift control.

The selected gear range appears in the multifunction display.



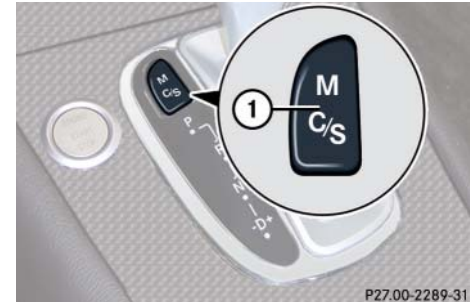
① Current gear range

	Effect
6	The transmission shifts through sixth gear only.
5	The transmission shifts through fifth gear only.
4	The transmission shifts through fourth gear only.

	Effect
3	<p>The transmission shifts through third gear only.</p> <p>With this selection you can use the braking effect of the engine.</p>
2	<p>The transmission shifts through second gear only.</p> <p>Allows the use of engine's braking power when driving</p> <ul style="list-style-type: none"> • on steep downgrades • in mountainous regions • under extreme operating conditions
1	<p>The transmission operates in first gear only.</p> <p>For maximum use of engine's braking effect on very steep or lengthy downgrades.</p>

Automatic shift program

The program mode selector switch is located on the lower part of the center console.



① Program mode selector switch

M Manual	For manual gear shifting
C Comfort	For standard driving
S Sport	For sporty driving

Automatic transmission

The selected program mode appears in the multifunction display.



① Current program mode

! Never change the program mode when the gear selector lever is out of park position **P**. This could result in a change of driving characteristics for which you may not be prepared.

i The last selected program mode (**C** or **S**) is switched on when the engine is restarted.

► Press program mode selector switch repeatedly until the letter of the desired program mode appears in the multifunction display.

Select **C** for standard driving:

- The vehicle starts out in second gear (both forward and reverse) for gentler starts. This does not apply if full throttle is applied or gear range **1** is selected.
- Traction and driving stability are improved on icy roads.
- Upshifts occur earlier even when you give more gas. The engine then operates at lower rpms and the wheels are less likely to spin.

Select **S** for sporty driving:

- The vehicle starts out in first gear.
- Upshifts occur later.

Gear selector lever one-touch gearshifting

With the gear selector lever in drive position **D** and driving in shift program mode **C** or **S**, you can limit or extend the gear range.

With the manual shift program **M** activated, you can use the gear selector lever to manually shift the gears.

i For information on using the gear selector lever in shift program mode **M**, see “Manual shift program” (▷ page 143).

! Allow engine to warm up under low load use. Do not place full load on the engine until the operating temperature has been reached.

Shift into reverse gear **R** or park position **P** only when the vehicle is stopped.

Avoid spinning of a drive wheel for an extended period when driving off on slippery road surfaces. This may cause serious damage to the drivetrain which is not covered by the Mercedes-Benz Limited Warranty.

Limiting gear range

Warning!



On slippery road surfaces, never downshift in order to obtain braking action. This could result in drive wheel slip and reduced vehicle control. Your vehicle's ABS will not prevent this type of loss of control.

- ▶ Briefly press the gear selector lever to the left in the **D-** direction.

The transmission will shift to the next lower gear as permitted by the shift program. This action simultaneously limits the gear range of the transmission (▷ page 138).

i *To avoid overrevving the engine when downshifting, the transmission will not shift to a lower gear if the engine's max. speed would be exceeded.*

Extending gear range

- ▶ Briefly press the gear selector lever to the right in the **D+** direction.

The transmission will shift to the next higher gear as permitted by the shift program. This action simultaneously extends the gear range of the transmission.

i *If you press on the accelerator when the engine has reached its rpm limit, the transmission will upshift beyond any gear range limit selected.*

Canceling gear range limit

- ▶ Press and hold the gear selector lever in the **D+** direction until **D** reappears in the multifunction display (▷ page 136).

The transmission will shift from the current gear range directly to gear range **D**.

Shifting into optimal gear range

- ▶ Press and hold the gear selector lever in the **D-** direction.

The transmission will automatically select the gear range suited for optimal acceleration and deceleration. This will involve shifting down one or more gears.

Automatic transmission

Steering wheel gearshift control one-touch gearshifting

With the gear selector lever in drive position **D** and driving in shift program mode **C** or **S**, you can limit or extend the gear range.

With the manual shift program **M** activated, you can use the gear selector lever to manually shift the gears.

i For information on using the steering wheel gear shift control in program mode **M**, see “Manual shift program” (▷ page 143).

! Allow engine to warm up under low load use. Do not place full load on the engine until the operating temperature has been reached.

Shift into reverse gear **R** or park position **P** only when the vehicle is stopped.

Avoid spinning of a drive wheel for an extended period when driving off on slippery road surfaces. This may cause serious damage to the drivetrain which is not covered by the Mercedes-Benz Limited Warranty.



Gearshift paddles

- ① Left shift paddle: limiting gear range or downshift (in program mode **M**)
- ② Right shift paddle: extending gear range or upshift (in program mode **M**)

i You cannot shift with the steering wheel gearshift paddles when the gear selector lever is in position **P**, **N** or **R**.

The following instructions describe operation of the steering wheel gearshift control when driving in the automatic program mode **C** or **S**.

Limiting gear range

Warning!



On slippery road surfaces, never downshift in order to obtain braking action. This could result in drive wheel slip and reduced vehicle control. Your vehicle's ABS will not prevent this type of loss of control.

- ▶ Briefly pull left shift paddle ①.

The transmission will shift to the next lower gear as permitted by the shift program. This action simultaneously limits the gear range of the transmission (▷ page 138).

i To avoid overrevving the engine when downshifting, the transmission will not shift to a lower gear if the engine's max. speed would be exceeded.

Extending gear range

- ▶ Briefly pull right shift paddle ②.

The transmission will shift to the next higher gear as permitted by the shift program. This action simultaneously extends the gear range of the transmission.

i *If you press on the accelerator when the engine has reached its rpm limit, the transmission will upshift beyond any gear range limit selected.*

Canceling gear range limit

- ▶ Pull and hold right shift paddle ② until **D** reappears in the multifunction display (▷ page 136).

The transmission will shift from the current gear range directly to gear range **D**.

Shifting into optimal gear range

- ▶ Pull and hold left shift paddle ①.

The transmission will automatically select the gear range suited for optimal acceleration and deceleration. This will involve shifting down one or more gears.

Manual shift program

In addition to the automatic shift program **C** or **S**, your vehicle is equipped with the manual shift program **M**.

In the manual program mode **M**, system-controlled automatic gearshifting is switched off and you need to change the gears by manually upshifting or downshifting using the steering wheel gearshift paddles (▷ page 142) or the gear selector lever.

! *Allow engine to warm up under low load use. Do not place full load on the engine until the operating temperature has been reached.*

*Shift into reverse gear **R** or park position **P** only when the vehicle is stopped.*

Avoid spinning of a drive wheel for an extended period when driving off on slippery road surfaces. This may cause serious damage to the drivetrain which is not covered by the Mercedes-Benz Limited Warranty.

Automatic transmission

The program mode selector switch is located on the lower part of the center console.



① Program mode selector switch

- | | |
|------------------|--------------------------|
| M Manual | For manual gear shifting |
| C Comfort | For standard driving |
| S Sport | For sporty driving |

The selected program mode appears in the multifunction display (▷ page 140).

i For information on automatic program modes **C** or **S**, see “Automatic shift program” (▷ page 139), “Gear selector lever one-touch gearshifting” (▷ page 140), and “Steering wheel gearshift control one-touch gearshifting*” (▷ page 142).

Activating manual shift program

- ▶ Press program mode selector switch repeatedly until the **M** for manual program mode **M** appears in the multifunction display.

The transmission switches to the manual program mode **M**. Automatic shifting is switched off. The gear range is not limited.

You can change the gears manually when the gear selector lever is in drive position **D**. You can upshift or downshift through the gears in succession.

i The manual program mode **M** will not be stored. When the engine is turned off with the manual program mode **M** selected, the transmission will go to the automatic program mode (**C** or **S**) when the engine is restarted.

Upshifting

! In the manual program mode **M**, the transmission will not upshift, even if the engine has reached its overrevving range. Shift up to the next gear before the engine has reached its overrevving range. Make absolutely certain that the engine speed does not reach the red marking on the tachometer (▷ page 26). Otherwise the engine could be damaged which is not covered by the Mercedes-Benz Limited Warranty.

- ▶ Briefly press the gear selector lever to the right in the **D+** direction.

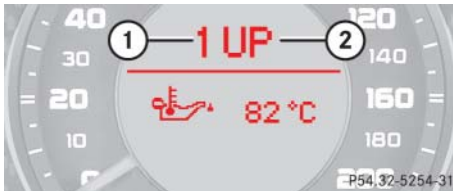
or

- ▶ Briefly pull right shift paddle ② (▷ page 142).

The transmission shifts to the next higher gear.

If, instead of the manual program mode symbol **M**, the symbol **^** appears in the multifunction display (▷ page 140), shift to the next higher gear. The fuel supply will otherwise be interrupted to prevent the engine from overrevving.

When you are driving in the manual program mode **M**, upshift indicator ② in the multifunction display advises you to upshift before the engine reaches the over-speed range. Thus you can drive at the maximum engine speed for each gear without overrevving the engine.



- ① Gear indicator
- ② Upshift indicator

- ▶ Shift to the next higher gear.

The fuel supply will otherwise be interrupted to prevent the engine from overrevving.

Downshifting

Warning!



On slippery road surfaces, never downshift in order to obtain braking action. This could result in drive wheel slip and reduced vehicle control. Your vehicle's ABS will not prevent this type of loss of control.

- ▶ Briefly press the gear selector lever to the left in the **D**- direction.

or

- ▶ Briefly pull left shift paddle ① (▷ page 142).

The transmission shifts to the next lower gear.

i When you brake or stop, the transmission shifts down to a gear from which you can easily accelerate or take off.

Kickdown

Using the kickdown when driving in the manual program mode **M** is not possible.

Deactivating manual shift program

- ▶ Press the program mode selector switch (▷ page 144) repeatedly until **C** or **S** appears in the multifunction display.

or

- ▶ Restart the engine.

The transmission will go to the automatic program mode (**C** or **S**).

The manual program mode **M** is not stored.

Automatic transmission

Emergency operation (Limp-Home Mode)

If vehicle acceleration becomes less responsive or sluggish or the transmission no longer shifts, the transmission is most likely operating in limp-home (emergency operation) mode. In this mode only second gear and reverse gear can be selected.

- ▶ Stop the vehicle in a safe location.
- ▶ Move the gear selector lever to park position **P**.
- ▶ Turn off the engine.
- ▶ Wait at least 10 seconds before restarting.
- ▶ Restart the engine.
- ▶ Move the gear selector lever to position **D** (for second gear) or position **R**.
- ▶ Have the transmission checked at an authorized Mercedes-Benz Center as soon as possible.

▼ **Good visibility**

For information on the windshield wipers, see “Windshield wipers” (▷ page 51).

Headlamp cleaning system

The headlamp cleaning button is located on the left side of the dashboard.



① Headlamp cleaning button

► Switch on the ignition (▷ page 37).

► Press button ①.

The headlamps are cleaned with a high-pressure water jet.

i *The headlamps will automatically be cleaned when you have*

- *switched on the headlamps and*
- *operated the windshield wipers with windshield washer fluid fifteen times*

When you switch off the ignition, the counter resets.

For information on filling up the washer reservoir, see “Windshield washer system and headlamp cleaning system” (▷ page 355).

Rear view mirrors

For more information on setting the rear view mirrors, see “Mirrors” (▷ page 41).

Auto-dimming rear view mirrors

The reflection brightness of the exterior rear view mirror on the driver’s side and the interior rear view mirror will respond automatically to glare when

- the ignition is switched on and
- incoming light from headlamps falls on the sensor in the interior rear view mirror

The rear view mirror will not react if

- reverse gear **R** is engaged
- the interior lighting is switched on

Good visibility

Warning!



The auto-dimming function does not react if incoming light is not aimed directly at sensors in the interior rear view mirror.

Light hitting the mirror(s) at certain angles (incident light) could blind you. As a result, you may not be able to observe traffic conditions and could cause an accident.

Warning!



Exercise care when using the passenger-side exterior rear view mirror. The mirror surface is convex (outwardly curved surface for a wider field of view). Objects in mirror are closer than they appear. Check your interior rear view mirror or glance over your shoulder before changing lanes.

Sun visors

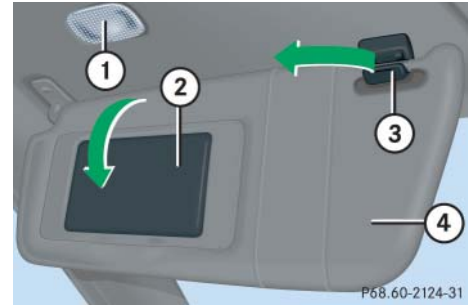
The sun visors protect you from sun glare while driving.

Warning!



Do not use the vanity mirror while driving.

Keep the vanity mirrors in the sun visors closed while vehicle is in motion. Reflected glare can endanger you and others.



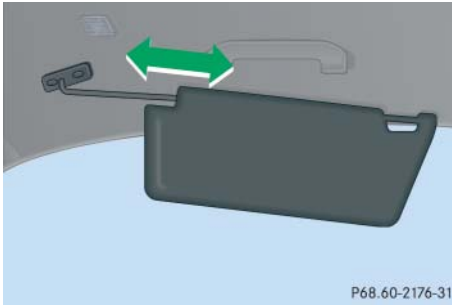
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Driver's side sun visor

- ① Vanity mirror lamp
- ② Vanity mirror cover
- ③ Mounting
- ④ Sun visor

- ▶ Swing sun visor ④ down when you experience glare.
- ▶ To use the illuminated vanity mirror, lift up vanity mirror cover ②.

i If sun visor ④ is disengaged from mounting ③ with vanity mirror cover ② open, vanity mirror lamp ① will switch off.



Passenger side sun visor

If sunlight enters through a side window:

- ▶ Disengage sun visor from mounting ③.
- ▶ Pivot sun visor to the side.
The sun visors are extendable.
- ▶ Adjust the sun visors by pushing or pulling in the direction of the arrows.

! Close vanity mirror cover ② (if open) before you disengage the sun visor ④ from mounting ③ and pivot it to the side.

Rear window defroster

The rear window defroster uses a large amount of power. To keep the battery drain to a minimum, switch off the defroster as soon as the rear window is clear. The defroster is automatically deactivated after approximately 6 to 17 minutes of operation depending on the outside temperature.

Warning!



Any accumulation of snow and ice should be removed from the rear window before driving. Visibility could otherwise be impaired, endangering you and others.

- ▶ Switch on the ignition (▷ page 35).

Activating

- ▶ Press button  on the automatic climate control panel (▷ page 151).

The indicator lamp on the button comes on.

Deactivating

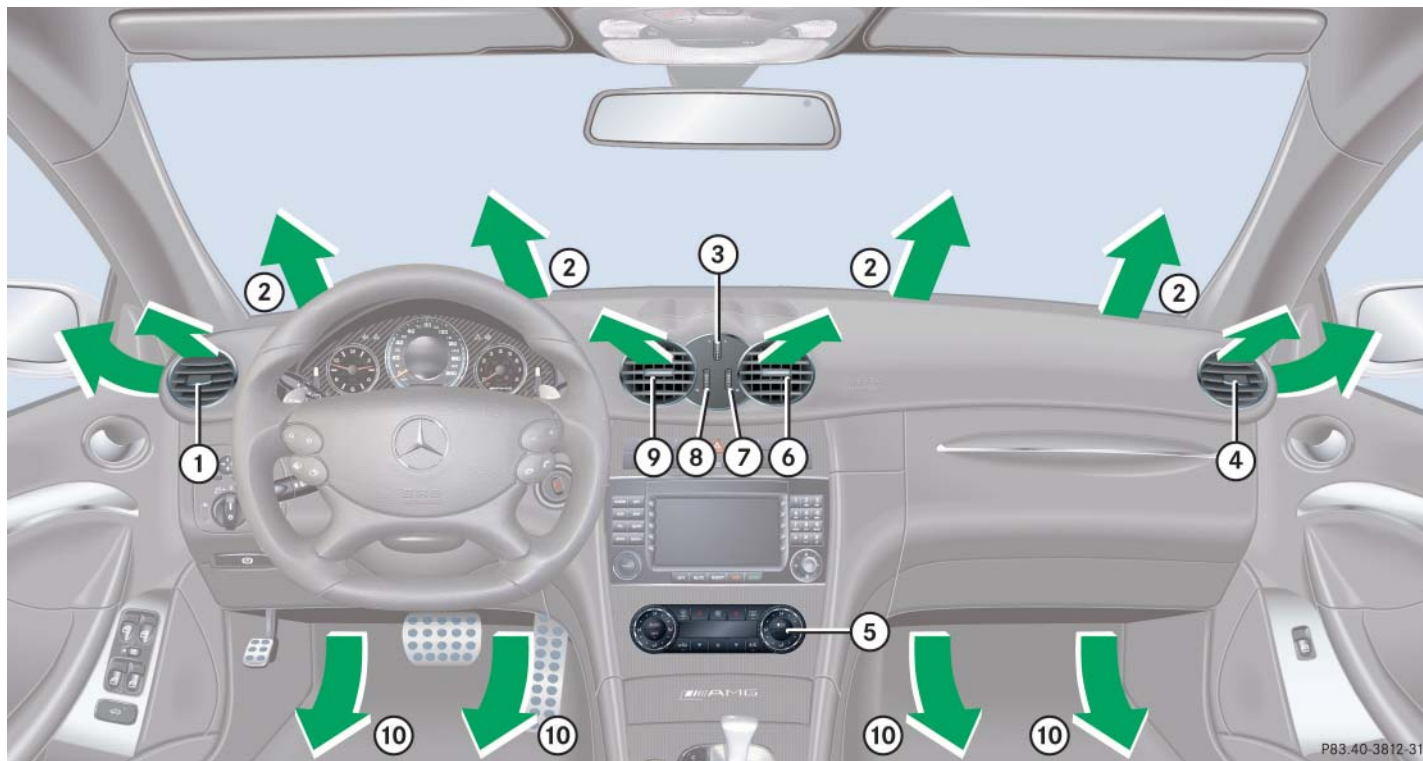
- ▶ Press button  once more.

The indicator lamp on the button goes out.

! If the rear window defroster switches off too soon and the indicator lamp starts flashing, too many electrical consumers are operating simultaneously and there is insufficient voltage in the battery. The system responds automatically by switching the rear window defroster off.

As soon as the battery has sufficient voltage, the rear window defroster switches back on automatically.

Automatic climate control



Automatic climate control

Item
① Left side air vent, adjustable
② Windshield air vents
③ Thumbwheel for air volume control for center air vents
④ Right side air vent, adjustable
⑤ Automatic climate control panel
⑥ Right center air vent, adjustable
⑦ Thumbwheel for air volume control for right side center air vent
⑧ Thumbwheel for air volume control for left side center air vent
⑨ Left center air vent, adjustable
⑩ Footwell air vent



Item
① Left side air distribution control
② Front defroster
③ Temperature control, left, raising
④ Display
⑤ Air volume control, raising
⑥ Temperature control, right, raising
⑦ Rear window defroster
⑧ Right side air distribution control
⑨ Charcoal filter
⑩ AC cooling on/off
⑪ Temperature control, right, lowering
⑫ Air volume control, lowering
⑬ Temperature control, left, lowering
⑭ Air recirculation
⑮ Automatic climate control on/off (complete system)
⑯ Air distribution and air volume (automatic mode)

i For draft-free ventilation, move the sliders for the center air vents and side air vents to the middle position.

Automatic climate control

The automatic climate control is operational whenever the engine is running. You can operate the automatic climate control system in either the automatic or manual mode. The system cools or heats the interior depending on the selected interior temperature and the current outside temperature.

Warning!



When operating the automatic climate control, the air that enters the passenger compartment through the air vents can be very hot or very cold (depending on the set temperature). This may cause burns or frostbite on unprotected skin in the immediate area of the air vents. Always keep sufficient distance between unprotected parts of the body and the air vents. If necessary, use the air distribution controls (▷ page 151) to direct the air to air vents in the vehicle interior that are not in the immediate area of unprotected skin.

Nearly all dust particles, pollutants and odors are filtered out before outside air enters the passenger compartment through the air distribution system.

Warning!



Severe conditions (e.g. strong air pollution) may require replacement of the filter before its scheduled interval. A clogged filter will reduce the air volume to the interior and the windows could fog up, impairing visibility and endangering you and others. Have a clogged filter replaced as soon as possible at an authorized Mercedes-Benz Center.

The air conditioning will not engage (no cooling) if the **A/C** mode is deactivated (▷ page 159).

Warning!



Follow the recommended settings for heating and cooling given on the following pages. Otherwise the windows could fog up, impairing visibility and endangering you and others.

i *Keep the air intake grille in front of the windshield free of snow and debris.*

Do not obstruct air flow by placing objects on the air flow-through exhaust slots below the rear window.

i *If the vehicle interior is hot, ventilate the interior before driving off, see “Summer opening feature” (▷ page 164). The automatic climate control will then adjust the interior temperature to the set value much faster.*

Deactivating the automatic climate control system

Warning!



When the automatic climate control system is switched off, the outside air supply and circulation are also switched off. Only choose this setting for a short time. Otherwise the windows could fog up, impairing visibility and endangering you and others.

Deactivating

- ▶ Press button **OFF** (▷ page 151).
The indicator lamp on the button comes on.

Reactivating

- ▶ Switch on the ignition (▷ page 35).
- ▶ Press button **OFF** (▷ page 151).
The indicator lamp on the button goes out. The previous settings are once again in effect.

Operating the automatic climate control system in automatic mode

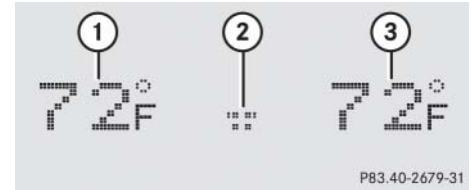
i When operating the automatic climate control system in automatic mode, you will only rarely need to adjust the temperature, air volume and air distribution.

*In automatic mode, the dehumidify function is switched on when the system is cooling. If necessary, this function can be switched off by pushing the button **A/C** (▷ page 151).*

i You can switch the automatic climate control system on and off for each side of the passenger compartment as desired.

Activating

- ▶ Press button **AUTO** (▷ page 151) while the engine is running.
The indicator lamp on the button comes on. The air volume and air distribution are adjusted automatically.



- ① Temperature, left
- ② Blower speed
- ③ Temperature, right

- ▶ Use temperature controls ③ and ⑬ or ⑥ and ⑪ (▷ page 151) to separately adjust the air temperature on each side of the passenger compartment.

The temperature of the vehicle interior is adjusted automatically.

Deactivating

- ▶ Press button **AUTO** (▷ page 151) again.
The indicator lamp on the button goes out. The automatic operation of air volume and air distribution switches off.

Automatic climate control

Setting the temperature

Use temperature controls ③ and ⑬ for the left side or ⑥ and ⑪ for the right side (▷ page 151) to separately adjust the air temperature on each side of the passenger compartment. You should raise or lower the temperature setting in small increments, preferably starting at 72°F.

The automatic climate control will adjust to the set temperature as fast as possible.

Increasing

- ▶ Press and hold temperature button ③ and/or ⑥ (▷ page 151) until the desired temperature appears in the display ④ (▷ page 151).

The automatic climate control system will correspondingly adjust the interior air temperature.

i *If you increase the temperature for one side of the vehicle to the highest adjustable value then you will see the message HI in the display. This also increases the temperature for the other side of the vehicle.*

Decreasing





- ▶ Press and hold temperature button ⑪ and/or ⑬ (▷ page 151) until the desired temperature appears in the display ④ (▷ page 151).

The automatic climate control system will correspondingly adjust the interior air temperature.

i *If you decrease the temperature for one side of the vehicle to the lowest adjustable value then you will see the message LO in the display. This also decreases the temperature for the other side of the vehicle.*

Adjusting air distribution

Use the air distribution controls ① and ⑧ (▷ page 151) to separately adjust the air distribution on each side of the passenger compartment. The following symbols are located on the controls:

Symbol	Function
	Directs air to the windshield and the side air vents
	Directs air into the entire vehicle interior
	Directs air to the footwells
	Directs air through the center and side air vents

- ▶ Turn air distribution control ① or ⑧ (▷ page 151) to the desired symbol.

The indicator lamp on the button **AUTO** goes out.

The automatic air distribution is switched off. The air distribution is controlled according to the selected control setting.

- i** You can also turn the air distribution control to a position between two symbols.

Opening center and side air vents

- ▶ Turn thumbwheels ②, ⑥ and ⑦ (▷ page 150) upward.

The center air vents ⑤ and ⑧ and side air vents ① and ③ (▷ page 150) are open.



Closing center and side air vents

- ▶ Turn thumbwheels ②, ⑥ and ⑦ (▷ page 150) downward.



The center air vents ⑤ and ⑧ and side air vents ① and ③ (▷ page 150) are closed.

Automatic climate control

Adjusting air volume

Use button **AUTO** (▷ page 151) for automatic mode or air volume controls  or  (▷ page 151) to adjust air volume manually.

Seven blower speeds are available.


- ▶ Press button  to decrease or  (▷ page 151) to increase air volume to the desired level.

The indicator lamp on button **AUTO** goes out.

The automatic air distribution remains switched on.

Front defroster

You can use this setting to defrost the windshield, for example if it is iced up. You can also defog the windshield and the side windows.

 *Keep this setting selected only until the windshield or the side windows are clear again.*



Activating

- ▶ Press button  (▷ page 151).

The indicator lamp on the button comes on.

The air conditioning switches automatically to the following functions:

- cooling on to dehumidify
- maximum blowing and heating power
- air flows onto the windshield and the front side windows
- the air recirculation mode is switched off

 *If you have switched on the defrost function using button , you cannot make any other settings.*

Deactivating


- ▶ Press button  (▷ page 151) again.

The indicator lamp on the button goes out.

The previous settings are once again in effect.



 *The cooling remains switched on.*

Windshield fogged on the outside

 *Keep this setting selected only until the windshield is clear again.*

- ▶ Switch the windshield wipers on (▷ page 52).

If the automatic mode of the automatic climate control is switched off:

- ▶ Turn air distribution control ① or ⑧ to  or  (▷ page 151).

Maximum cooling MAXCOOL

If the left and right air distribution controls as well as the airflow volume control are set to **AUTO** (▷ page 151) and there is a high need for cooling, the display “MAXCOOL” appears.


This provides the fastest possible cooling of the vehicle interior (when the side windows are closed).

Air recirculation mode


Switch to air recirculation mode to prevent unpleasant odors from entering the vehicle from the outside (e.g. before driving through a tunnel). This setting cuts off the intake of outside air and recirculates the air in the passenger compartment.


Warning!




Fogged windows impair visibility, endangering you and others. If the windows begin to fog on the inside, switching off the air recirculation mode immediately should clear interior window fogging. If interior window fogging persists, make sure the air conditioning (▷ page 159) is activated, or press button .

Activating

- ▶ Press button  (▷ page 151).
The indicator lamp on the button comes on.

 *The air recirculation mode is activated automatically at high outside temperatures.*


The indicator lamp on button  is not lit when the air recirculation mode is automatically switched on.

A quantity of outside air is added after approximately 30 minutes.

Deactivating

- ▶ Press button  (▷ page 151).

The indicator lamp on the button goes out.

 *The air recirculation mode is deactivated automatically:*

- *after 5 minutes if the outside temperature is below approximately 41 °F*
- *after 5 minutes if the air conditioning is turned off*
- *after 30 minutes if the outside temperature is above approximately 41 °F*

Automatic climate control


Air recirculation mode with convenience closing or opening feature

Warning!




Never operate the side windows if there is the possibility of anyone being harmed by the closing procedure.

When using the air recirculation mode with convenience closing feature, should the upward movement of a window be blocked by some obstructions including but not limited to arms, hands, fingers, etc., the automatic reversal feature will not operate.


In the event that the procedure causes potential danger, the closing of the side windows can be immediately halted by releasing the  button or by pressing or pulling the respective window switch.

Convenience closing



- ▶ Press and hold button  (> page 151) until the windows are closed or have reached the desired position.

The indicator lamp on the button comes on. The air recirculation mode is activated.

Convenience opening

- ▶ Press and hold button  (> page 151) until the windows have return to their previous position or they have reached the desired position.

The indicator lamp on the button goes out. The air recirculation mode is deactivated.


i A side window will only return to its previous position if it has not been moved to another position using the respective side window switch after it was closed with button . A side window that was moved will remain in its current position if button  is used to re-open the remaining side windows.

Charcoal filter

An activated charcoal filter markedly reduces bad odors and removes pollutants from air entering the passenger compartment. The charcoal filter can be activated or deactivated.

The system switches automatically to the air recirculation mode, if the



- charcoal filter is switched on
- carbon monoxide (CO) or nitrogen oxide (NO_x) concentration of the outside air increases beyond a predetermined level


i The automatic air recirculation mode does not function if the **A/C** (indicator lamp on button  not lit) mode is deactivated, or if the outside temperature has fallen below 41 °F.

Activating

- ▶ Press button  (> page 151).

The indicator lamp on the button comes on.

 If you press and hold button , the side windows will close.


 The activated charcoal filter should be switched off when windows fog up on the inside, or if the passenger compartment needs to be quickly heated or cooled down.

Warning!



Never operate the side windows if there is the possibility of anyone being harmed by the closing procedure.



When using the air recirculation mode with convenience closing feature, should the upward movement of a window be blocked by some obstructions including but not limited to arms, hands, fingers, etc., the automatic reversal feature will not operate.



In the event that the procedure causes potential danger, the closing of the side windows can be immediately halted by releasing the  button or by pressing or pulling the respective window switch.

Deactivating

► Press button  (▷ page 151).

The indicator lamp on the button goes out.

 If you press and hold button , the side windows will return to their previous position.

A side window will only return to its previous position if it has not been moved to another position using the respective side window switch after it was closed with button . A side window that was moved will remain in its current position if button  is used to re-open the remaining side windows.

Air conditioning

The air conditioning (cooling) function, only operational when the engine is running, cools the vehicle interior down to the selected temperature. The cooling function also dehumidifies the air in the vehicle interior, thus preventing the windows from fogging up.

The air conditioning uses the refrigerant R134a. This refrigerant is free of CFCs which are harmful to the ozone layer.

Warning!



If you turn off the cooling function, the vehicle will not be cooled when weather conditions are warm. The windows can fog up more quickly. Window fogging may impair visibility and endanger you and others.

Automatic climate control

i *Condensation may drip out from underneath the vehicle. This is normal and not an indication of a malfunction.*

Deactivating

It is possible to deactivate the cooling function of the automatic climate control system. The air in the vehicle will then no longer be cooled or dehumidified.

- ▶ Press button **A/C** (▷ page 151).

The indicator lamp on the button goes out.

The cooling function switches off after a short delay.

Activating

Moist air can fog up the windows. You can dehumidify the air with the air conditioning.

- ▶ Press button **A/C** (▷ page 151) once more.

The indicator lamp on the button comes on.

! *If the air conditioning cannot be turned on again, this indicates that the air conditioning is losing refrigerant. The compressor has turned itself off.*

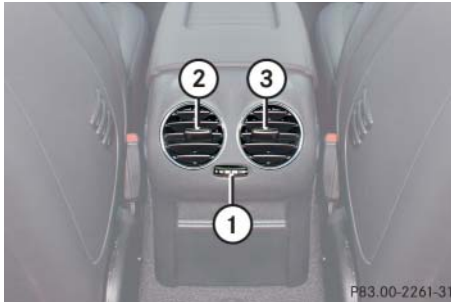
Have the air conditioning checked at the nearest authorized Mercedes-Benz Center.

Rear storage compartment adjustable air vents

The air conditioning for the rear storage compartment is controlled via the automatic climate control panel (▷ page 151).

i *The temperature at the center air vents ② and ③ for the rear passenger compartment (▷ page 161) is the same as at the dashboard center air vents.*

The air vents for the rear storage compartment are located in the rear center console.



- ① Thumbwheel for air volume control for center air vents
- ② Left center air vent
- ③ Right center air vent

Adjusting air distribution

- ▶ Push the slide for the left center vent ② or right center vent ③ to the left, right, up or down.

The air flow is directed in the corresponding direction.

Adjusting air volume

- ▶ Turn thumbwheel ① to the left or right.

The air volume is increased or decreased.

Power windows

Opening and closing the door windows

The door windows are opened and closed electrically. The switches for all door windows are located on the driver's door control panel. The switch for operating the passenger-side door window is located on the passenger door.

Warning!






When closing the windows, make sure that there is no danger of anyone being harmed by the closing procedure.

The closing of the door windows can be immediately halted by releasing the switch or, if switch was pulled past the resistance point and released, by either pressing or pulling the respective switch.

The closing of the rear side windows can be immediately halted by releasing the switch.

The door windows are equipped with the express-close and automatic reversal function. If a door window encounters an obstruction that blocks its path in a circumstance where you pulled the switch past the resistance point and released it to close the window, the automatic reversal function will stop the window and open it slightly.



If a door window encounters an obstruction that blocks its path in a circumstance where you are closing the window by pulling and holding the switch, by pressing and holding button  on the SmartKey, or by pressing and holding button  or  on the automatic climate control panel, the automatic reversal function will not operate.

When leaving the vehicle, always remove the SmartKey from the starter switch, take it with you, and lock the vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle. A child's unsupervised access to a vehicle could result in an accident and/or serious personal injury.

i You can also open or close the windows using the:

- SmartKey (summer opening/convenience feature) (▷ page 164)

Depending on current position, the windows may also open or close when:

- the air recirculation button  in the control panel of the automatic climate control (▷ page 151) is pressed and held
or
- the charcoal filter button  in the control panel of the automatic climate control (▷ page 151) is pressed and held

i After switching off the ignition (▷ page 35) or removing the SmartKey from the starter switch, the door windows can be operated:

- until you open a door
- for at least 5 minutes if nor door was opened

- ▶ Switch on the ignition (▶ page 37).



- ① Left front door window
- ② Right front door window
- ③ Right rear door window
- ④ Left rear door window

Opening the door windows

- ▶ Press switch ①, ②, ③, or ④ to the resistance point.

The corresponding door window moves downwards until you release the switch.

Closing the door windows

- ▶ Pull switch ①, ②, ③, or ④ to the resistance point.

The corresponding door window moves upwards until you release the switch.

Warning!



If you pull and hold the switch up when closing the door window, and upward movement of the door window is blocked by some obstruction including but not limited to arms, hands, fingers, etc., the automatic reversal will not operate.

Fully opening the door windows (Express-open)

- ▶ Press switch ①, ②, ③, or ④ past the resistance point and release.

The corresponding door window opens completely.

Fully closing the door windows (Express-close)

- ▶ Pull switch ①, ②, ③, or ④ past the resistance point and release.

The corresponding door window closes completely.

Warning!



Driver's door only:

If the switch is pulled again past the resistance point and released within 5 seconds, the automatic reversal will not operate.



Power windows

- ▷▷ **!** *If the upward movement of a door window is blocked during the closing procedure, the door window will stop and open slightly.*

Remove the obstruction, pull the switch again past the resistance point and release.

If the door window still does not close when there is no obstruction, then pull the switch and hold it. The door window will then close without the obstruction sensor function.

Stopping windows during Express-operation

- ▶ Press or pull the respective door window switch again.

Synchronizing the door windows

The door windows must be synchronized each time



- after the battery has been disconnected.
- if the power windows cannot be fully opened (Express-open) or closed (Express-close).

- ▶ Switch on the ignition (▷ page 37).
- ▶ Pull the door window switches until the side windows are closed.
- ▶ Hold the switches for approximately 1 second.
The power windows are synchronized.

Summer opening feature

If the weather is warm, you can ventilate the vehicle before driving off by simultaneously opening the door windows.



- ▶ Aim transmitter eye of the SmartKey at the driver's outside door handle.
The SmartKey must be in close proximity to the driver's outside door handle.
- ▶ Press and hold button  after unlocking the vehicle until the door windows have reached the desired position.
The door windows begin to open after approximately 1 second.
- ▶ Release button  to interrupt the opening procedure.

Convenience closing feature




Warning!



When closing the side windows, make sure that there is no danger of anyone being harmed by the closing procedure.

The windows will not automatically re-open if blocked during convenience closing.


If potential danger exists, proceed as follows:

- Release button  to stop the closing procedure. To open, press and hold button . To continue the closing procedure after making sure that there is no danger of anyone being harmed by the closing procedure, press and hold button .


When you lock the vehicle, you can close the door windows simultaneously.

- ▶ Aim transmitter eye of the SmartKey at the driver's outside door handle (▷ page 164).

The SmartKey must be in close proximity to the driver's outside door handle.

- ▶ Press and hold button  on the SmartKey until the door windows are completely closed.

The windows begin to close after approximately 1 second.

- ▶ Release button  on the SmartKey to interrupt the closing procedure.

Make sure all door windows are properly closed before leaving the vehicle.

Blocking of rear door window operation

You can block the rear door window operation.

The override switch is located on the door control panel of the driver's door.



- ① Deactivating override switch
- ② Activating override switch
- ③ Override switch

Power windows

Activating override switch

- ▶ Slide override switch ③ to the right in direction ②.

The rear side windows can no longer be operated using the respective switch located in the rear trim panels.

i *Operation of the rear side windows with the switches located on the door control panel of the driver's door is still possible.*

Deactivating override switch

- ▶ Slide override switch ③ to the left in direction ①.

The rear side windows can be operated using the respective switch located in the rear trim panels.

▼ Driving systems

The driving system of your vehicle is described on the following pages:

- Cruise control, with which the vehicle can maintain a preset speed.

For information on the BAS, ABS, and ESP®, see “Driving safety systems” (▷ page 79).

Cruise control

Cruise control automatically maintains the speed you set for your vehicle.

Use of cruise control is recommended for driving at a constant speed for extended periods of time.

You can set or resume cruise control at any speed over 20 mph.

The cruise control function is operated by means of the cruise control lever.

The cruise control lever is the uppermost lever on the left-hand side of the steering column (▷ page 24).

Warning!



The cruise control is a convenience system designed to assist the driver during vehicle operation. The driver is and must always remain responsible for the vehicle's speed and for safe brake operation.

Only use the cruise control if the road, traffic and weather conditions make it advisable to travel at a steady speed.

- The use of the cruise control can be dangerous on winding roads or in heavy traffic because conditions do not allow safe driving at a steady speed.
- The use of the cruise control can be dangerous on slippery roads. Rapid changes in tire traction can result in wheel spin and loss of control.
- Deactivate the cruise control when driving in fog.

The “Resume” function should only be operated if the driver is fully aware of the previously set speed and wishes to resume this particular preset speed.

Warning!

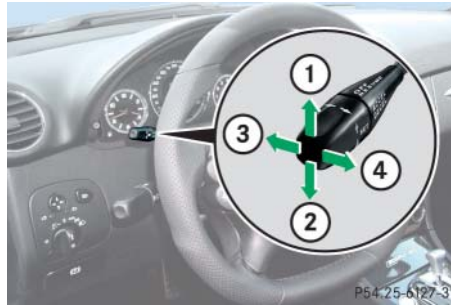


The cruise control brakes automatically so that the set speed is not exceeded. The brake pedal depresses when the cruise control engages the brakes.

Keep driver's foot area clear at all times, including the area under the brake pedal. Objects stored in this area may impair pedal movement which could interfere with the braking ability of the cruise control system.

Do not place your foot under the brake pedal – your foot could become caught.

Keep in mind that the cruise control is a convenience system designed to assist the driver during vehicle operation. The driver is and must always remain responsible for the vehicle's speed and for safe brake operation.



- ① Setting current or higher speed
- ② Setting current or lower speed
- ③ Canceling cruise control
- ④ Resume to last set speed

Setting current speed

- ▶ Accelerate or decelerate to the desired speed.
- ▶ Briefly lift ① or depress ② the cruise control lever.

The current speed is set.

- ▶ Remove your foot from the accelerator pedal.

Cruise control is activated.

The selected speed appears in the multi-function display for approximately 5 seconds, and the corresponding speedometer segments from the selected speed to the vehicle maximum speed are illuminated.

i *On uphill or downhill grades, the cruise control may not be able to maintain the set speed. Once the grade eases, the set speed will be resumed.*

On downhill grades, the cruise control maintains the set speed with braking from the vehicle's brake system.

In addition, on longer downhill grades the automatic transmission will automatically downshift.

Canceling cruise control

There are several ways to cancel the cruise control:

- ▶ Step on the brake pedal.

The cruise control is canceled. The last speed set is stored for later use.

or

- ▶ Briefly push the cruise control lever in direction of arrow ③ (▷ page 168).

The cruise control is canceled. The last speed set is stored for later use.

i The last stored speed is canceled when you turn off the engine.

i The cruise control switches off automatically when

- you step on the brake pedal
- you depress the parking brake pedal

The segments in the multifunction display (▷ page 168) go out.

The cruise control switches off automatically and an acoustic warning will sound when

- the vehicle speed is below 20 mph
- ESP® is in operation
- ESP® is switched off with the ESP® switch (▷ page 83)
- you move the gear selector lever in position **N** while driving

The segments in the multifunction display (▷ page 168) go out.

! Moving gear selector lever to position **N** while driving also cancels cruise control. However, the gear selector lever should not be moved to position **N** while driving except to coast when the vehicle is in danger of skidding (e.g. on icy roads).

i Depressing the accelerator pedal does not deactivate cruise control. After brief acceleration (e.g. for passing), cruise control will resume the last speed set.

Setting a higher speed

Warning!



If you increase the set vehicle speed, keep in mind that it may take a brief moment until the vehicle has made the necessary adjustments.

Increase the set vehicle speed to a value that the prevailing road conditions and legal speed limits permit. Otherwise, sudden and unexpected acceleration of the vehicle could cause an accident and/or serious injury to you and others.



Driving systems

- ▷▷ Lift the cruise control lever in direction of arrow ① (▷ page 168) and hold it up until the desired speed is reached.
- ▶ Release the cruise control lever.
The new speed is set.

Setting a lower speed

Warning!



If you decrease the set vehicle speed, keep in mind that it may take a brief moment until the vehicle has made the necessary adjustments.

Decelerate the set vehicle speed to a value that the prevailing road conditions and legal speed limits permit. Otherwise, sudden and unexpected deceleration of the vehicle could cause an accident and/or serious injury to you and others.

- ▶ Depress the cruise control lever in direction of arrow ② (▷ page 168) and hold it down until the desired speed is reached.
- ▶ Release the cruise control lever.
The new speed is set.

i *When you use the cruise control lever to decelerate, the brake system will automatically brake the vehicle if the engine's braking power does not brake the vehicle sufficiently.*

Fine adjustment in 1 mph increments

Faster

- ▶ Briefly tip the cruise control lever in direction of arrow ① (▷ page 168).

Slower

- ▶ Briefly tip the cruise control lever in direction of arrow ② (▷ page 168).

Setting to last stored speed ("Resume" function)

Warning!



The speed stored in memory should only be set again if prevailing road conditions permit. Possible acceleration or deceleration differences arising from returning to the pre-set speed could cause an accident and/or serious injury to you and others.

- ▶ Briefly push the cruise control lever in direction of arrow ④ (▷ page 168).
The cruise control resumes the last set speed.
- ▶ Remove your foot from the accelerator pedal.

The selected speed appears in the multi-function display for approximately 5 seconds, and the corresponding speedometer segments from the selected speed to the vehicle maximum speed are illuminated (▷ page 168).

▼ Useful features

Storage compartments

Warning!



Do not store any flammable substances inside the vehicle or in the trunk. Otherwise the flammable substances could ignite and start a fire inside the vehicle.

To help avoid personal injury during a collision or sudden maneuver, exercise care when storing objects in the vehicle. Put luggage or cargo in the trunk if possible. Do not pile luggage or cargo higher than the seat backs.

Parcel nets cannot secure hard or heavy objects.

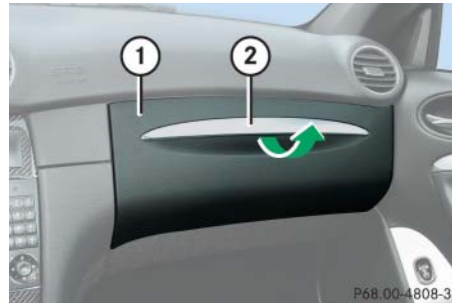
Keep compartment lids closed. This will help to prevent stored objects from being thrown about and injuring vehicle occupants during

- braking
- vehicle maneuvers
- an accident

Glove box

i The CD changer is located in the glove box. For more information see separate COMAND system operating instructions.

i The glove box is centrally locked and unlocked (▷ page 88).



- ① Glove box lid
- ② Glove box lid release

Opening the glove box

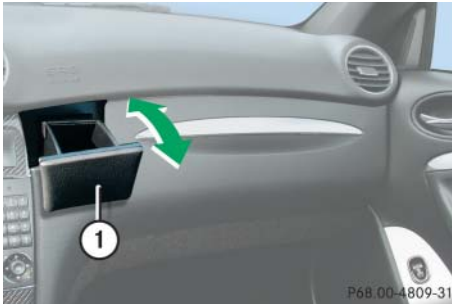
- ▶ Pull glove box lid release ②.
- Glove box lid ① opens downward.

Closing the glove box

- ▶ Push glove box lid ① up to close.

Useful features

Storage box in the dashboard



- ① Cover

Opening storage box

- ▶ Push cover ①.

The storage box opens automatically.

Closing storage box

- ▶ Push the storage box back until it engages.

Parcel net in passenger footwell

Warning!

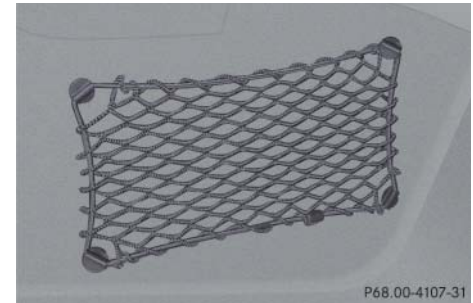


The parcel net is intended for storing light-weight items only.

Heavy objects, objects with sharp edges or fragile objects may not be transported in the parcel net. In an accident, during hard braking, or sudden maneuvers, they could be thrown around inside the vehicle and cause injury to vehicle occupants.

The parcel net cannot protect transported goods in the event of an accident.



A small convenience parcel net is located in the passenger footwell. It is for small and light items, such as road maps, mail, etc.



Storage compartment under center armrest



① Cover

i The Roadside Assistance button  (▷ page 179) and the Information button  (▷ page 180) are located in the storage compartment.



② Storage compartment

Opening compartment

- ▶ Slide cover ① in direction of arrow.

Closing compartment

- ▶ Slide cover ① back.

Rear storage compartment

Use the rear storage compartment to store light-weight items only.



Warning!



Always fasten items being carried as securely as possible using fastening materials appropriate for the weight and size of the load.

In an accident, during hard braking or sudden maneuvers, loose items will be thrown around inside the vehicle and can cause injury to vehicle occupants unless the items are securely fastened in the vehicle.

Never allow anyone to ride in the rear.

Useful features

Cup holders

Warning!



In order to help prevent spilling liquids on vehicle occupants and/or vehicle equipment, only use containers that fit into the cup holder. Use lids on open containers and do not fill containers to a height where the contents, especially hot liquids, could spill during braking, vehicle maneuvers, or in an accident. Liquids spilled on vehicle occupants may cause serious personal injury. Liquids spilled on vehicle equipment may cause damage not covered by the Mercedes-Benz Limited Warranty.

When not in use, keep the cup holder closed. An open cup holder may cause injury to you and others when contacted during braking, vehicle maneuvers, or in an accident.

Keep in mind that objects placed in a cup holder may come loose during braking, vehicle maneuvers, or in an accident and be thrown around in the vehicle interior. Objects thrown around in the vehicle interior may cause an accident and/or serious personal injury.

Cup holder in the center armrest



- ① Cup holder
- ▶ Open storage compartment (▷ page 173).

Power outlet

i The power outlet can be used to accommodate 12V DC electrical accessories (e.g. air pump, auxiliary lamps) up to a maximum of 180 W.



- ① Cover plate
- ② Power outlet cover

- ▶ Switch on the ignition (▷ page 37).
- ▶ Briefly press the bottom of cover plate ①.
The cover plate opens automatically.
- ▶ Flip power outlet cover to the right ②.
- ▶ Insert electrical plug (cigarette lighter type).

Floormats*

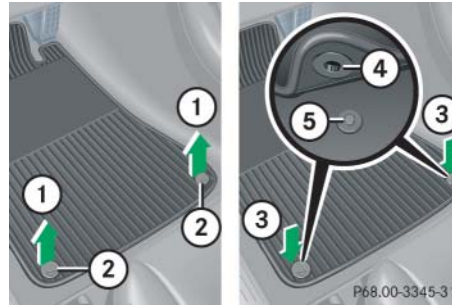
Warning!



Whenever you are using floormats, make sure there is enough clearance and that the floormats are securely fastened.

Floormats should always be securely fastened using eyelets ④ and retainer pins ⑤.

Before driving off, check that the floormats are securely in place and adjust them if necessary. A loose floormat could slip and hinder proper functioning of the pedals.



- ① Removing
- ② Retainer pins
- ③ Installing
- ④ Floormats eyelets
- ⑤ Retainer pins


Removing

- ▶ Pull floormats off of retainer pins ② in direction of arrow ①.
- ▶ Remove the floormats.

Installing

- ▶ Lay down the floormat.
- ▶ Press floormat eyelets ④ onto retainer pins ⑤ in direction of arrow ③.

Tele Aid

! *The initial activation of the Tele Aid system may only be performed by completing the subscriber agreement and placing an acquaintance call using button . Failure to complete either of these steps will result in a system that is not activated.*

If you have any questions regarding activation, please call the Response Center at 1-800-756-9018 (in the USA).

Shortly after the completion of your Tele Aid acquaintance call, you will receive a user ID and password. By visiting www.mbusa.com and selecting “Tele Aid” (USA only), you will have access to account information, remote door unlock and more.



The Tele Aid system



(Telematic Alarm Identification on Demand)

The Tele Aid system consists of three types of response:



- automatic and manual emergency
- roadside assistance and
- information

The Tele Aid system is operational providing that the vehicle’s battery is charged, properly connected, not damaged and cellular and GPS coverage is available.

The speaker volume of a Tele Aid call can be adjusted by using the volume control on the COMAND system or on the multifunction steering wheel. To raise, turn the rotary volume control on the COMAND system clockwise or press button  on the multifunction steering wheel. To lower, turn the rotary volume control on the COMAND system counterclockwise or press button  on the multifunction steering wheel.



- ▶ To activate, press the SOS button, the Roadside Assistance button  or the Information button , depending on the type of response required.

i *The SOS button is located in the overhead control panel (▷ page 178).*

The Roadside Assistance button  (▷ page 179) and the Information button  (▷ page 180) are located below the center armrest cover.

! *The Tele Aid system utilizes the cellular network for communication and the GPS (Global Positioning System) satellites for vehicle location. If either of these signals are unavailable, the Tele Aid system may not function and if this occurs, assistance must be summoned by other means.*

System self-check

Initially, after switching on the ignition, malfunctions are detected and indicated (the indicator lamps in the SOS button, the Roadside Assistance button  and the Information button  stay on longer than 10 seconds or do not come on). The message `Tele Aid Inoperative` appears in the multifunction display.

Warning!



If the indicator lamps on the SOS button, on the Roadside Assistance button, and/or on the Information button remain illuminated constantly in red and/or message `Tele Aid Inoperative` is displayed in the multifunction display after the system self-check, a malfunction in the system has been detected.

If a malfunction is indicated as outlined above, the system may not operate as expected. Have the system checked at the nearest Mercedes-Benz Center as soon as possible.

Emergency calls

An emergency call is initiated automatically following an accident in which the emergency tensioning devices (ETDs) or air bags deploy.


An emergency call can also be initiated manually by opening the cover next to the interior rear view mirror labeled SOS, then briefly pressing the button located under the cover. See (▷ page 178) for instructions on initiating an emergency call manually.

Once the emergency call is in progress, the indicator lamp on the SOS button will begin to flash. The message `Connecting Call` appears in the multifunction display and the audio system is muted. When the connection is established, the message `Call Connected` appears in the multifunction display. All information relevant to the emergency, such as the location of the vehicle (determined by the GPS satellite location system), vehicle model, identification number and color are generated.

A voice connection between the Response Center and the occupants of the vehicle will be established automatically soon after the emergency call has been initiated. The Response Center will attempt to determine more precisely the nature of the emergency provided they can speak to an occupant of the vehicle.

The Tele Aid system is available if

- it has been activated and is operational. Activation requires a subscription for monitoring services, connection and cellular air time
- vehicle battery power is available
- the relevant cellular phone network and GPS signals are available and pass the information on to the Response Center

 *Location of the vehicle on a map is only possible if the vehicle is able to receive signals from the GPS satellite network and pass the information on to the Response Center.*

Useful features

Warning!



If the indicator lamp in the SOS button is flashing continuously and there was no voice connection to the Response Center established, then the Tele Aid system could not initiate an emergency call (e.g. the relevant cellular phone network is not available). The message *Call Failed* appears in the multifunction display for approximately 10 seconds.

Should this occur, assistance must be summoned by other means.

Initiating an emergency call manually



- ① Cover
- ② SOS button

- ▶ Briefly press on cover ①.

The cover opens.

- ▶ Press SOS button ② briefly.

The indicator lamp in SOS button ② will flash until the emergency call is concluded.


- ▶ Wait for a voice connection to the Response Center.
- ▶ Close cover ① after the emergency call is concluded.

Warning!



If you feel at any way in jeopardy when in the vehicle (e.g. smoke or fire in the vehicle, vehicle in a dangerous road location), please do not wait for voice contact after you have pressed the emergency button. Carefully leave the vehicle and move to a safe location. The Response Center will automatically contact local emergency officials with the vehicle's approximate location if they receive an automatic SOS signal and cannot make voice contact with the vehicle occupants.

Roadside Assistance button

The Roadside Assistance button  is located below the center armrest cover.



① Roadside Assistance button

- ▶ Open the storage compartment (▷ page 173).
- ▶ Flip up cover.

- ▶ Press and hold button ① (for longer than two seconds).

A call to a Mercedes-Benz Roadside Assistance dispatcher will be initiated. The button will flash while the call is in progress. The message *Connecting Call* will appear in the multifunction display.

When the connection is established, the message *Call Connected* appears in the multifunction display. The Tele Aid system will transmit data generating the vehicle identification number, model, color and location (subject to availability of cellular and GPS signals).



A voice connection between the Roadside Assistance dispatcher and the occupants of the vehicle will be established.

- ▶ Describe the nature of the need for assistance.


The Mercedes-Benz Roadside Assistance dispatcher will either dispatch a qualified Mercedes-Benz technician or arrange to tow your vehicle to the nearest authorized Mercedes-Benz Center. For services such as labor and/or towing, charges may apply. Refer to the Roadside Assistance Manual for more information.


- Sign and Drive services: Services such as jump start, a few gallons of fuel or the replacement of a flat tire with the vehicle spare tire are obtainable.

Useful features


i The indicator lamp on the Roadside Assistance button  remains illuminated in red for approximately 10 seconds during the system self-check after switching on the ignition (together with the SOS button and the Information button ).

See system self-check (▷ page 177) if the indicator lamp does not come on in red or stays on longer than approximately 10 seconds.

If the indicator lamp on the Roadside Assistance button  is flashing continuously and there was no voice connection to the Response Center established, then the Tele Aid system could not initiate a Roadside Assistance call (e.g. the relevant cellular phone network is not available). The message **Call Failed** appears in the multifunction display.

Roadside Assistance calls can be terminated using button  on the multifunction steering wheel or the **END** button on the COMAND system.

Information button

The Information button  is located below the center armrest cover.



① Information button

- ▶ Open the storage compartment (▷ page 173).
- ▶ Flip up cover.



- ▶ Press and hold button ① (for longer than two seconds).

A call to the Customer Assistance Center will be initiated. The button will flash while the call is in progress. The message **Connecting Call** will appear in the multifunction display and the audio system is muted.


When the connection is established, the message **Call Connected** appears in the multifunction display. The Tele Aid system will transmit data generating the vehicle identification number, model, color and location (subject to availability of cellular and GPS signals).


A voice connection between the Customer Assistance Center representative and the occupants of the vehicle will be established. Information regarding the operation of your vehicle, the nearest Mercedes-Benz Center or Mercedes-Benz USA products and services is available to you.

For more details concerning the Tele Aid system, please visit www.mbusa.com and use your ID and password (sent to you separately) to learn more (USA only).

i The indicator lamp on the Information button  remains illuminated in red for approximately 10 seconds during the system self-check after switching on the ignition (together with the SOS button and the Roadside Assistance button .

See System self-check (▷ page 177) if the indicator lamp does not come on in red or stays on longer than approximately 10 seconds.


If the indicator lamp on the Information button  is flashing continuously and there was no voice connection to the Response Center established, then the Tele Aid system could not initiate an Information call (e.g. the relevant cellular phone network is not available). The message Call Failed appears in the multifunction display.

Information calls can be terminated using the  button on the multifunction steering wheel or the END button on the COMAND system.

! *If the indicator lamps do not start flashing after pressing one of the buttons or remain illuminated (in red) at any time, the Tele Aid system has detected a malfunction or the service is not currently active, and may not initiate a call. Visit your Mercedes-Benz Center and have the system checked or contact the Response Center at 1-800-756-9018 (in the USA) as soon as possible.*

Call priority

If other service calls such as a Roadside Assistance call or Information call are active, an Emergency call is still possible. In this case, the Emergency call will take priority and override all other active calls.

i *The indicator lamp in the respective button flashes until the call is concluded. Emergency calls can only be terminated by a Response Center or Customer Assistance Center representative, whereas Roadside Assistance and Information calls can also be terminated using button  on the multifunction steering wheel or the END button on the COMAND system.*

! *If the indicator lamp continues to flash or the system does not reset, contact the Response Center at 1-800-756-9018 (in the USA), or Mercedes-Benz Customer Assistance at 1-800-FOR-MERcedes (1-800-367-6372) in the USA.*

Useful features

Remote door unlock

In case you have locked your vehicle unintentionally (e.g. SmartKey inside vehicle), and the reserve SmartKey is not handy:

- ▶ Contact the Mercedes-Benz Response Center at 1-800-756-9018 (in the USA).

You will be asked to provide your password which you provided when you completed the subscriber agreement.

- ▶ Then return to your vehicle and pull the trunk recessed handle for a minimum of 20 seconds until the SOS button is flashing.

The message *Connecting Call* appears in the multifunction display.

As an alternative, you may unlock the vehicle via Internet using the ID and password sent to you shortly after the completion of your acquaintance call.

The Response Center will then unlock your vehicle with the remote door unlocking feature.

i *The remote door unlock feature is available if the relevant cellular phone network is available.*

The SOS button will flash and the message Connecting Call will appear in the multifunction display to indicate receipt of the door unlock command.

Once the vehicle is unlocked, a Response Center specialist will attempt to establish voice contact with the vehicle occupants.

If the trunk recessed handle was pulled for more than 20 seconds before door unlock authorization was received by the Response Center, you must wait 15 minutes before pulling the trunk recessed handle again.

Stolen Vehicle Recovery services

In the event your vehicle was stolen:

- ▶ Report the incident to the police.

The police will issue a numbered incident report.

- ▶ Pass this number on to the Mercedes-Benz Response Center along with your password issued to you when you subscribed to the service.

The Response Center will then attempt to covertly contact the vehicle's Tele Aid system. Once the vehicle is located, the Response Center will contact the local law enforcement and you. The vehicle's location will only be provided to law enforcement.

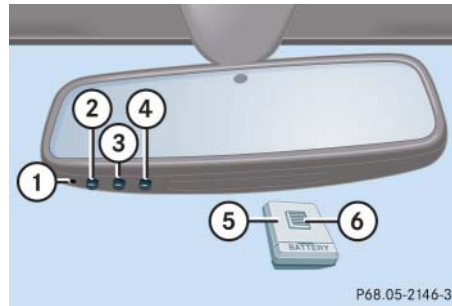
If you have any questions, please call the Response Center at 1-800-756-9018 (in the USA).

i *When the anti-theft alarm stays on for more than 30 seconds, a call is initiated automatically to the Response Center, see "Anti-theft alarm system" (▷ page 85).*

Garage door opener

The integrated remote control is capable of operating up to three separately controlled devices. It provides a convenient way to replace up to three hand-held remote controls used to operate devices such as garage door openers, gate openers, or other devices compatible with HomeLink® or some other systems.

Before the integrated remote control can be used, it must be programmed to the garage door opener, gate operator or other device you wish to operate. See the following instructions for programming information.



Interior rear view mirror with integrated remote control

- ① Indicator lamp
 - ② ③ ④ Signal transmitter button
- Needed for programming (not part of vehicle equipment):
- ⑤ Hand-held remote control of garage door opener, gate operator or other device
 - ⑥ Hand-held remote control button

Warning!



Before programming the integrated remote control to a garage door opener or gate operator, make sure people and objects are out of the way of the device to prevent potential harm or damage. When programming a garage door opener, the door moves up or down. When programming a gate operator, the gate opens or closes.

Do not use the integrated remote control with any garage door opener that lacks safety stop and reverse features as required by U.S. federal safety standards (this includes any garage door opener model manufactured before April 1, 1982). A garage door that cannot detect an object – signaling the door to stop and reverse – does not meet current U.S. federal safety standards.



Useful features



When programming a garage door opener, park the vehicle outside the garage.

Do not run the engine while programming the integrated remote control. Inhalation of exhaust gas is hazardous to your health.

All exhaust gas contains carbon monoxide (CO), and inhaling it can cause unconsciousness and possible death.

Programming the integrated remote control

Step 1:

- ▶ Switch on the ignition (▷ page 35).

Step 2:

- ▶ If you have previously programmed a signal transmitter button and wish to retain its programming, proceed to step 3.

If you are programming the integrated remote control for the first time, press and hold the two outer signal transmitter buttons ② and ④ and release them only when indicator lamp ① begins to flash after approximately 20 seconds (do not hold the button for longer than 30 seconds). This procedure erases any previous settings for all three channels and initializes the memory.

If you later wish to program a second and/or third hand-held transmitter to the remaining two signal transmitter buttons, do not repeat this step and begin directly with step 3.

Step 3:

- ▶ Hold the end of hand-held remote control ⑤ of the device you wish to train approximately 2 to 5 inches away from the signal transmitter button (②, ③ or ④) to be programmed, while keeping indicator lamp ① in view.

Step 4:

- ▶ Using both hands, simultaneously press hand-held remote control button ⑥ and the desired signal transmitter button (②, ③ or ④). Do not release the buttons until step 5 is completed.

Indicator lamp ① will flash, first slowly and then rapidly.

i Indicator lamp ① flashes immediately the first time the signal transmitter button is programmed. If this button has already been programmed, the indicator lamp will only start flashing after 20 seconds.

Step 5:

- ▶ After indicator lamp ① changes from a slow to a rapidly flashing light, release the hand-held remote control button and the signal transmitter button.

Step 6:

- ▶ Press and hold the just-trained signal transmitter button (②, ③ or ④) and observe indicator lamp ①.

If indicator lamp ① stays on constantly, programming is complete and your device should activate when the respective signal transmitter button (②, ③ or ④) is pressed and released.

i If indicator lamp ① flashes rapidly for about 2 seconds and then turns to a constant light, continue with programming steps 8 through 12 as your garage door opener may be equipped with the “rolling code” feature.

Step 7:

- ▶ To program the remaining two signal transmitter buttons, repeat the steps above starting with step 3.

Rolling code programming

To train a garage door opener (or other rolling code devices) with the rolling code feature, follow these instructions after completing the “Programming” portion (steps 1 through 6) of this text. (A second person may make the following training procedures quicker and easier.)

Step 8:

- ▶ Locate “training” button on the garage door opener motor head unit.

Exact location and color of the button may vary by garage door opener brand. Depending on manufacturer, the “training” button may also be referred to as “learn” or “smart” button. If there is difficulty locating the transmitting button, refer to the garage door opener Operator’s Manual.

Step 9:

- ▶ Press the “training” button on the garage door opener motor head unit.

The “training light” is activated.

You have 30 seconds to initiate the following step.

Step 10:

- ▶ Return to the vehicle and firmly press, hold for 2 seconds and release the programmed signal transmitter button (②, ③ or ④).

Step 11:

- ▶ Press, hold for 2 seconds and release same signal transmitter button a second time to complete the training process.

i Some garage door openers (or other rolling code equipped devices) may require you to press, hold for 2 seconds and release the same signal transmitter button a third time to complete the training process.



Useful features

▷▷Step 12:

- ▶ Confirm the garage door operation by pressing the programmed signal transmitter button (②, ③ or ④).

Step 13:

- ▶ To program the remaining two signal transmitter buttons, repeat the steps above starting with step 3.

Reprogramming a single signal transmitter button

To program a device using a signal transmitter button previously trained, follow these steps:

- ▶ Switch on the ignition (▷ page 35).
- ▶ Press and hold the desired signal transmitter button (②, ③ or ④). Do not release the button.
- ▶ Indicator lamp ① will begin to flash after 20 seconds. Without releasing the signal transmitter button, proceed with programming starting with step 3.

Operation of integrated remote control

- ▶ Switch on the ignition (▷ page 35).
- ▶ Select and press the appropriate integrated signal transmitter button (②, ③ or ④) to activate the remote controlled device.

The integrated remote control transmitter continues to send the signal as long as the button is pressed – up to 20 seconds.

Erasing the integrated remote control memory

- ▶ Switch on the ignition (▷ page 35).
- ▶ Simultaneously press and hold outer signal transmitter buttons ② and ④, for approximately 20 seconds, until indicator lamp ① flashes rapidly. Do not hold for longer than 30 seconds.

The codes of all three channels are erased.

i *If you sell your vehicle, erase the codes of all three channels.*

Programming tips

If you are having difficulty programming the integrated remote control, here are some helpful tips:

- Check the frequency of hand-held remote control ⑤ (typically located on the reverse side of the remote). The integrated remote control is compatible with radio-frequency devices operating between 280-390 MHz.
- Put a new battery in hand-held remote control ⑤. This will increase the likelihood of the hand-held remote control sending a faster and more accurate signal to the integrated remote control.
- While performing step 3, hold hand-held remote control ⑤ at different lengths and angles from the signal transmitter button (②, ③ or ④) you are programming. Attempt varying angles at the distance of 2 to 5 inches away or the same angle at varying distances.

- If another hand-held remote control is available for the same device, try the programming steps again using that other hand-held remote control. Make sure new batteries are in the hand-held remote control before beginning the procedure.
- Straighten the antenna wire from the garage door opener assembly. This may help improve transmitting and/or receiving signals.

i *Certain types of garage door openers are incompatible with the integrated remote control. If you should experience further difficulties with programming the integrated remote control, contact an authorized Mercedes-Benz Center, or call Mercedes-Benz Customer Assistance Center (in the USA only) at 1-800-FOR-MERCEdes.*

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

- (1) This device may not cause harmful interference, and*
- (2) this device must accept any interference received, including interference that may cause undesired operation.*

Any unauthorized modification to this device could void the user's authority to operate the equipment.



The first 1 000 miles
Driving instructions
At the gas station
Engine compartment
Suspension
Tires and wheels
Winter driving
Maintenance
Vehicle care

The first 1 000 miles

In the “Operation” section you will find detailed information on operating, maintaining and caring for your vehicle.

The more cautiously you treat your vehicle during the break-in period, the more satisfied you will be with its performance later on.

- Drive your vehicle during the first 1 000 miles at varying but moderate vehicle and engine speeds.
- During the first 1000 miles, do not exceed a vehicle speed of 85 mph.
- During this period, avoid engine speeds above 4500 rpm in each gear.
- During this period, avoid heavy loads (full throttle driving) and excessive engine speeds (no more than $\frac{2}{3}$ of maximum rpm in each gear).
- Shift gears in a timely manner.
- Avoid accelerating by kickdown.

- Do not attempt to slow the vehicle down by shifting to a lower gear using the gear selector lever.
- Select positions **3**, **2** or **1** only when driving at moderate speeds (for hill driving).
- Select **C** as the preferred shift program (> page 139) for the first 1 000 miles.

After 1 000 miles, you may gradually increase vehicle and engine speeds to the permissible maximum.

All of the above instructions, as may apply to your vehicle type, also apply when driving the first 1 000 miles after the engine or the rear differential has been replaced.

 *Always obey applicable speed limits.*

Notes on breaking-in the rear differential

The CLK 63 AMG *Black Series* is equipped with a self-locking rear differential. For increased protection of the rear differential, carry out an oil change after a break-in phase of 1900 miles. This oil change will extend the useful life of the differential. Have the oil change carried out at a qualified specialist workshop. Mercedes-Benz recommends you have this work done at a authorized Mercedes-Benz Center.

▼ Driving instructions

Drive sensibly – save fuel

Fuel consumption, to a great extent, depends on driving habits and operating conditions.

To save fuel you should:

- Keep tires at the recommended tire inflation pressures.
- Remove unnecessary loads.
- Allow engine to warm up under low load use.
- Avoid frequent acceleration and deceleration.
- Have all maintenance work performed at the intervals specified in the Maintenance Booklet and as required by the Maintenance System. Contact an authorized Mercedes-Benz Center.

Fuel consumption is also increased by driving in cold weather, in stop-and-go traffic, on short trips and in hilly area.

Drinking and driving

Warning!



Drinking and driving and/or taking drugs and driving are very dangerous combinations. Even a small amount of alcohol or drugs can affect your reflexes, perceptions and judgment.

The possibility of a serious or even fatal accident are greatly increased when you drink or take drugs and drive.

Do not drink or take drugs and drive or allow anyone to drive who has been drinking or taking drugs.

Pedals

Warning!



Make sure that absolutely no objects are obstructing the pedals' range of movement. Keep the driver's footwell clear of all obstacles. If there are any floor mats or carpets in the footwell, make sure that the pedals still have sufficient clearance.

During sudden driving or braking maneuvers, the objects could get caught between the pedals. You could then no longer brake or accelerate. This could lead to accidents and injury.

Driving instructions

Power assistance

Warning!



With the engine not running, there is no power assistance for the brake and steering systems. In this case, it is important to keep in mind that a considerably higher degree of effort is necessary to brake and steer the vehicle.

Brakes

Warning!



After driving in heavy rain for some time without applying the brakes or through water deep enough to wet brake components, the first braking action may be somewhat reduced and increased pedal pressure may be necessary to obtain expected braking effect. Maintain a safe distance from vehicles in front.

Resting your foot on the brake pedal will cause excessive and premature wear of the brake pads.

It can also result in the brakes overheating, thereby significantly reducing their effectiveness. It may not be possible to stop the vehicle in sufficient time to avoid an accident.

! *Because the ESP® operates automatically, the engine must be shut off (SmartKey in starter switch position 0 or 1 or engine start/stop button in position 0 or 1) when*

- *the parking brake is being tested on a brake test dynamometer*
- *the vehicle is being towed with the front axle raised*

Active braking action through the ESP® may otherwise seriously damage the brake system.

To help prevent brake disk corrosion after driving on wet road surfaces (particularly salted roads), it is advisable to brake the vehicle with considerable force prior to parking. The heat generated serves to dry the brakes.

If your brake system is normally only subject to moderate loads, you should occasionally test the effectiveness of the brakes by applying above-normal braking pressure at higher speeds. This will also enhance the grip of the brake pads.

Warning!



Make sure not to endanger any other road users when carrying out these braking maneuvers.

Refer to the description of the Brake Assist System (BAS) (▷ page 81).

Brake pad wear or a leak in the system may be the reason for low brake fluid in the reservoir.

The brake fluid level in the reservoir may be too low if the brake warning lamp in the instrument cluster comes on and an acoustic warning sounds although the parking brake is released (▷ page 264).

Observe additional messages in the multi-function display that may appear (▷ page 286).

Have the brake system inspected immediately. Contact an authorized Mercedes-Benz Center.

All checks and service work on the brake system should be carried out by qualified technicians only. Contact an authorized Mercedes-Benz Center.

Only install brake pads and brake fluid recommended by Mercedes-Benz.

Warning!



If other than recommended brake pads are installed, or other than recommended brake fluid is used, the braking properties of the vehicle can be degraded to an extent that safe braking is substantially impaired. This could result in an accident.

! *When driving down long and steep grades, relieve the load on the brakes by shifting into a lower gear to use the engine's braking power. This helps prevent overheating of the brakes and reduces brake pad wear.*

After hard braking, it is advisable to drive on for some time, rather than immediately park, so that the air stream can cool down the brakes faster.

High-performance brake system

The high-performance brake system is designed to operate under the extremely high operating demands required to accommodate the performance capabilities of the vehicle. The brakes may produce a squeaking-type noise depending on the

- vehicle speed
- brake force applied
- ambient conditions, e.g. temperature and humidity

As with any brake system, the wear of individual brake system components such as brake pads or disks strongly depends on your driving style and the conditions under which you operate the vehicle. Thus, a driving style calling for high demand braking will cause your vehicle's brakes to wear more quickly.

New brake pads

For safety reasons, Mercedes-Benz recommends that you only install brake pads on your vehicle which have been approved by Mercedes-Benz for your vehicle. Brake pads which have not been approved for Mercedes-Benz vehicles can jeopardize your vehicle's safety.

Driving instructions

Warning!



New vehicle brake pads and discs, and replacement brake pads and discs may take several hundred miles of driving until they provide optimum braking efficiency. Until that time, you may need to use increased brake pedal pressure while braking. Please be aware of this and adjust your driving and braking accordingly during this break-in period.

Excessive high demand braking will cause correspondingly high brake wear. Please be attentive to the brake warning lamp in the instrument cluster and brake condition messages in the multifunction display. Especially for high performance driving, it is important to maintain and have the brake system checked regularly.

Driving off

Apply the brakes to test them briefly after driving off. Perform this procedure only when the road is clear of other traffic.

Warm up the engine smoothly. Do not place full load on the engine until the operating temperature has been reached.

! *When driving off on a slippery surface, do not allow a drive wheel to spin for an extended period with the ESP[®] switched off. Doing so may cause serious damage to the drivetrain which is not covered by the Mercedes-Benz Limited Warranty.*

! *Simultaneously depressing the accelerator pedal and applying the brake reduces engine performance and causes premature brake wear and drivetrain wear.*

Parking

Warning!



Do not park this vehicle in areas where combustible materials such as grass, hay or leaves can come into contact with the hot exhaust system, as these materials could be ignited and cause a vehicle fire.

To reduce the risk of personal injury, or damage to the vehicle drivetrain as a result of vehicle movement, before turning off the engine and leaving the vehicle always:

- Keep right foot firmly on brake pedal.
- Firmly depress parking brake pedal.
- Move the gear selector lever to position **P**.
- Slowly release brake pedal.
- When parked on an incline, turn front wheels towards the road curb.

- Turn the SmartKey in the starter switch to position **0** and remove.
- Take the SmartKey with you and lock vehicle when leaving.

Tires

Warning!



If you feel a sudden significant vibration or ride disturbance, or you suspect that possible damage to your vehicle has occurred, you should turn on the hazard warning flashers, carefully slow down, and drive with caution to an area which is a safe distance from the road.

Inspect the tires and the vehicle underbody for possible damage. If the vehicle or tires appear unsafe, have the vehicle towed to the nearest Mercedes-Benz Center or tire dealer for repairs.

Treadwear indicators (TWI) are required by law. These indicators are located in six places on the tread circumference and become visible at a tread depth of approximately $\frac{1}{16}$ in (1.6 mm), at which point the tire is considered worn and should be replaced.

The treadwear indicator appears as a solid band across the tread.

Warning!



Although the applicable federal motor vehicle safety laws consider a tire to be worn when the treadwear indicators (TWI) become visible at approximately $\frac{1}{16}$ in (1.6 mm), we recommend that you do not allow your tires to wear down to that level. As tread depth approaches $\frac{1}{8}$ in (3 mm), the adhesion properties on a wet road are sharply reduced.

Depending upon the weather and/or road surface (conditions), the tire traction varies widely.

Specified tire inflation pressures must be maintained. This applies particularly if the tires are subject to extreme operating conditions (e.g. high speeds, heavy loads, high ambient temperatures).

Driving instructions

Warning!



Do not drive with a flat tire. A flat tire affects the ability to steer or brake the vehicle. You may lose control of the vehicle. Continued driving with a flat tire or driving at high speed with a flat tire will cause excessive heat build-up and possibly a fire.

For more information, see “Tires and wheels” (▷ page 217).

Hydroplaning

Depending on the depth of the water layer on the road, hydroplaning may occur, even at low speeds and with new tires. Reduce vehicle speed, avoid track grooves in the road and apply brakes cautiously in the rain.

Tire traction

The safe speed on a wet, snow covered or icy road is always lower than on a dry road.

You should pay particular attention to the condition of the road whenever the outside temperatures are close to the freezing point.

Warning!



If ice has formed on the road, tire traction will be substantially reduced. Under such weather conditions, drive, steer and brake with extreme caution.

Mercedes-Benz recommends winter tires (▷ page 248) with a minimum tread depth of approximately $\frac{1}{6}$ in (4 mm) on all four wheels for the winter season to ensure normal balanced handling characteristics. On packed snow, they can reduce your stopping distance compared to summer tires. Stopping distance, however, is still considerably greater than when the road is not covered with snow or ice. Exercise appropriate caution.

! *Avoid spinning of a drive wheel. This may cause serious damage to the drivetrain which is not covered by the Mercedes-Benz Limited Warranty.*

Tire speed rating

Regardless of the tire speed rating, local speed limits should be obeyed. Use prudent driving speeds appropriate to prevailing conditions.

Warning!



Even when permitted by law, never operate a vehicle at speeds greater than the maximum speed rating of the tires.


Exceeding the maximum speed for which tires are rated can lead to sudden tire failure, causing loss of vehicle control and possibly resulting in an accident and/or personal injury and possible death, for you and for others.

Your vehicle is factory equipped with “(Y)”-rated tires, which have a speed rating of over 186 mph.

Make sure your tires have the required tire speed rating as specified for your vehicle in the “Technical data” section (▷ page 344), for example when purchasing new tires.

For Information on how to identify the tire speed rating on a tire’s sidewall, see “Tire size designation, load and speed rating” (▷ page 235).

If you are uncertain about the correct reading of the information given on a tire’s sidewall, any authorized Mercedes-Benz Center will be glad to assist you.


 For information on tire speed rating for winter tires, see “Winter tires” (▷ page 248).

For additional general information on tire speed markings on tire sidewall, see “Tire speed rating” (▷ page 237).

Winter driving instructions

The most important rule for slippery or icy roads is to drive sensibly and to avoid abrupt acceleration, braking and steering maneuvers. Do not use the cruise control system under such conditions.

When the vehicle is in danger of skidding, move gear selector lever to neutral position **N**. Try to keep the vehicle under control by corrective steering action.

 For information on driving with snow chains, see “Snow chains” (▷ page 249).

Warning!



On slippery road surfaces, never downshift in order to obtain braking action. This could result in drive wheel slip and reduced vehicle control. Your vehicle’s ABS will not prevent this type of control loss.

Driving instructions

Road salts and chemicals can adversely affect braking efficiency. Increased pedal force may become necessary to produce the normal braking effect.

Depressing the brake pedal periodically when traveling at length on salt-strewn roads can bring road-salt-impaired braking efficiency back to normal.

If the vehicle is parked after being driven on salt-treated roads, the braking efficiency should be tested as soon as possible after driving is resumed.

Warning!



Make sure not to endanger any other road users when carrying out these braking maneuvers.

Warning!



If the vehicle becomes stuck in snow, make sure snow is kept clear of the exhaust pipe and from around the vehicle with the engine running. Otherwise, deadly carbon monoxide (CO) gases may enter vehicle interior resulting in unconsciousness and death.

To assure sufficient fresh air ventilation, open a window slightly on the side of the vehicle not facing the wind.

Warning!



The outside temperature indicator is not designed to serve as an ice-warning device and is therefore unsuitable for that purpose. Indicated temperatures just above the freezing point do not guarantee that the road surface is free of ice.

For more information, see “Winter driving” (▷ page 248).

Standing water

! Do not drive through flooded areas or water of unknown depth. Before driving through water, determine its depth. Never accelerate before driving into water. The bow wave could force water into the engine and auxiliary equipment, thus damaging them.

If you must drive through standing water, drive slowly to prevent water from entering the passenger compartment or the engine compartment. Water in these areas could cause damage to electrical components or wiring of the engine or transmission, or could result in water being ingested by the engine through the air intake, causing severe internal engine damage. Any such damage is not covered by the Mercedes-Benz Limited Warranty.

Passenger compartment

Warning!



Always fasten items being carried as securely as possible.

In an accident, during hard braking or sudden maneuvers, loose items will be thrown around inside the vehicle, and cause injury to vehicle occupants unless the items are securely fastened in the vehicle.

The trunk is the preferred place to carry objects.

Driving abroad

Abroad, there is an extensive Mercedes-Benz service network at your disposal. If you plan to drive into areas which are not listed in the index of your Mercedes-Benz Center directory, you should request pertinent information from an authorized Mercedes-Benz Center.

Control and operation of radio transmitters

COMAND system and radio

Warning!



Do not forget that your primary responsibility is to drive the vehicle safely. Only operate the COMAND system and radio if road, weather and traffic conditions permit.

Bear in mind that at a speed of just 30 mph, your vehicle is covering a distance of 44 feet every second.

Telephones and two-way radios

Warning!



Never operate radio transmitters equipped with a built-in or attached antenna (i.e. without being connected to an external antenna) from inside the vehicle while the engine is running. Doing so could lead to a malfunction of the vehicle's electronic system, possibly resulting in an accident and/or serious personal injury.

Radio transmitters, such as a mobile phone or a citizens band unit should only be used inside the vehicle if they are connected to an antenna that is installed on the outside of the vehicle.

Refer to the radio transmitter operation instructions regarding use of an external antenna.

Driving instructions

Catalytic converter

Your Mercedes-Benz is equipped with monolithic-type catalytic converters, an important element in conjunction with the oxygen sensors to achieve substantial control of the pollutants in the exhaust emissions. Keep your vehicle in proper operating condition by following our recommended maintenance instructions as outlined in your Maintenance Booklet.

! *To prevent damage to the catalytic converters, only use premium unleaded gasoline in this vehicle.*

Any noticeable irregularities in engine operation should be repaired promptly. Otherwise, excessive unburned fuel may reach the catalytic converter, causing it to overheat and potentially start a fire.

Warning!



As with any vehicle, do not idle, park or operate this vehicle in areas where combustible materials such as grass, hay, or leaves can come into contact with the hot exhaust system, as these materials could be ignited and cause a vehicle fire.

Emission control

Certain systems of the engine serve to keep the toxic components of the exhaust gases within permissible limits required by law.

These systems, of course, will function properly only when maintained strictly according to factory specifications. Any adjustments to the engine should therefore be carried out only by qualified Mercedes-Benz Center authorized technicians.

Engine adjustments should not be altered in any way. Moreover, the specified service jobs must be carried out regularly according to Mercedes-Benz servicing requirements. For details refer to the Maintenance Booklet.

Warning!

Inhalation of exhaust gas is hazardous to your health. All exhaust gas contains carbon monoxide (CO), and inhaling it can cause unconsciousness and lead to death.

Do not run the engine in confined areas (such as a garage) which are not properly ventilated. If you think that exhaust gas fumes are entering the vehicle while driving, have the cause determined and corrected immediately. If you must drive under these conditions, drive with at least one window fully open at all times.

Coolant temperature

During severe operating conditions, e.g. stop-and-go city traffic, the coolant temperature may rise close to approximately 248°F.

The engine should not be operated with the coolant temperature over 248°F. Doing so may cause serious engine damage which is not covered by the Mercedes-Benz Limited Warranty.

Warning!

- Driving when your engine is overheated can cause some fluids, which may have leaked into the engine compartment, to catch fire. You could be seriously burned.
- Steam from an overheated engine can cause serious burns which can occur just by opening the engine hood. Stay away from the engine if you see or hear steam coming from it.

Turn off the engine, get out of the vehicle and do not stand near the vehicle until the engine has cooled down.

At the gas station

Refueling

Warning!



Gasoline is highly flammable and poisonous. It burns violently and can cause serious personal injury.

Never allow sparks, flame or smoking materials near gasoline!

Turn off the engine before refueling.

Whenever you are around gasoline, avoid inhaling fumes and skin or clothing contact, extinguish all smoking materials.

Direct skin contact with fuels and the inhalation of fuel vapors are damaging your health.

The fuel filler flap is located on the right-hand side of the vehicle towards the rear. Locking/unlocking the vehicle with the SmartKey automatically locks/unlocks the fuel filler flap.

i In case the central locking system does not release the fuel filler flap, or the opening mechanism is clamping, notify Roadside Assistance or an authorized Mercedes-Benz Center.



- ① Fuel filler flap
- ② Fuel filler cap
- ③ Holder

- ▶ Turn off the engine.
- ▶ Remove the SmartKey from the starter switch.
- ▶ Open fuel filler flap ① by pushing at the point indicated by the arrow.

The fuel filler flap springs open.

- ▶ Turn fuel filler cap ② counterclockwise and hold on to it until possible pressure is released.
- ▶ Take off fuel filler cap ② and place it into holder ③ located on the inside of the fuel filler flap.

To prevent fuel vapors from escaping into open air, fully insert filler nozzle unit.

- ▶ Only fill your tank until the filler nozzle unit cuts out – **do not top up or overfill.**

Check regularly and before a long trip

- ▶ Open the hood (▷ page 205).



Engine compartment


- ① Windshield washer system and head-lamp cleaning system (cover removed)
- ② Brake fluid (cover removed)
- ③ Coolant level

Warning!



Overfilling of the fuel tank may create pressure in the system which could cause a gas discharge. This could cause the gas to spray back out when removing the fuel pump nozzle, which could cause personal injury.

- ▶ Insert fuel filler cap ② into fuel filler neck and turn it clockwise until it audibly engages.
- ▶ **i** Make sure to close the fuel filler flap before locking your vehicle as the flap locking pin prevents closing after you have locked the vehicle.
- ▶ Close fuel filler flap ①.

i Leaving the engine running and the fuel filler cap open can cause the  malfunction indicator lamp to illuminate.

For more information, see the “Practical hints” section (▷ page 265).

i Only use premium unleaded gasoline with a minimum Posted Octane Rating of 91 (average of 96 RON/86 MON).

Information on gasoline quality can normally be found on the fuel pump. Please contact gas station personnel in case labels on the pump cannot be found.

For more information on gasoline, see “Premium unleaded gasoline” (▷ page 351), see “Fuel requirements” (▷ page 351), and the Factory Approved Service Products pamphlet or contact an authorized Mercedes-Benz Center.

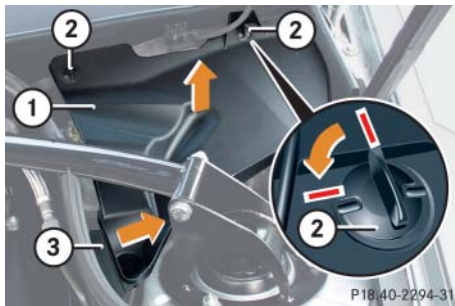
At the gas station

Coolant

For normal replenishing, use water (potable water quality).

For more information, see “Coolant” (▷ page 208) and see “Fuels, coolants, lubricants, etc.” (▷ page 348).

Brake fluid



- ① Cover
- ② Screw
- ③ Retainer

! If you find that the brake fluid in the brake fluid reservoir has fallen to the minimum mark or below, have the brake system checked for brake pad thickness and leaks immediately. Notify an authorized Mercedes-Benz Center immediately. Do not add brake fluid as this will not solve the problem. For more information, see also “Practical hints” (▷ page 264).

Removing cover

- ▶ Twist screws ② 90° counterclockwise.
- ▶ Lift the rear of cover ①.
- ▶ Slide out retainer ③ and remove cover ① by pulling towards front.

Installing cover

- ▶ Insert cover ① sideways into retainer ③.
- ▶ Twist screws ② 90° clockwise.

Windshield washer and headlamp cleaning system

For more information on refilling the washer reservoir, see “Windshield washer system and headlamp cleaning system” (▷ page 210).

Engine oil level

For more information on engine oil, see “Engine oil” (▷ page 207).

Vehicle lighting

Check function and cleanliness. For information on replacing light bulbs, see “Replacing bulbs” (▷ page 308).

For more information, see “Exterior lamp switch” (▷ page 50).

Tire inflation pressure

For more information, see “Checking tire inflation pressure” (▷ page 229).

▼ Engine compartment

Hood

Warning!



Do not pull the release lever while the vehicle is in motion. Otherwise the hood could be forced open by passing air flow.

This could cause the hood to come loose and injure you and/or others.

Opening

Warning!



If you see flames or smoke coming from the engine compartment, or if the coolant temperature gauge indicates that the engine is overheated, do not open the hood. Move away from the vehicle and do not open the hood until the engine has cooled. If necessary, call the fire department.

Warning!



You could be injured when the hood is open – even when the engine is turned off.

Parts of the engine can become very hot. To prevent burns, let the engine cool of completely before touching any components on the vehicle. Comply with all relevant safety precautions.

Warning!



To help prevent personal injury, stay clear of moving parts when the hood is open and the engine is running.

The radiator fan may continue to run for approximately 30 seconds or may even restart after the engine has been turned off. Stay clear of fan blades.

Warning!

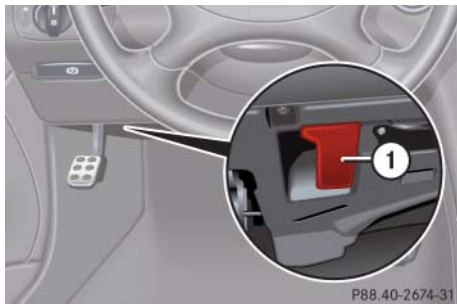


The engine is equipped with a transistorized ignition system. Because of the high voltage it is dangerous to touch any components (ignition coils, spark plug sockets, diagnostic socket) of the ignition system

- with the engine running
- while starting the engine
- if the ignition is “on” and the engine is turned manually.

Engine compartment

The hood lock release lever is located in the driver's footwell.

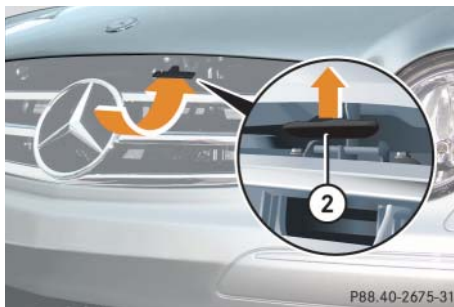


① Hood lock release lever

- ▶ Pull release lever ① downwards.

The hood is unlocked.

! To avoid damage to the windshield wipers or hood, never open the hood if the wiper arms are folded forward away from the windshield.



② Lever for opening the hood

- ▶ Push lever ② under the hood upwards.
- ▶ Pull up on the hood and then release it.

The hood will be automatically held open at shoulder height by gas-filled struts.

Closing

Warning!



When closing the hood, use extreme caution not to catch hands or fingers.

Be careful that you do not close the hood on anyone.

Make sure that the hood is securely engaged before driving off. Do not continue driving if the hood can no longer engage after an accident, for example. The hood could otherwise come loose while the vehicle is in motion and injure you and/or others.

- ▶ Let the hood drop from a height of approximately 1 ft.
The hood will lock audibly.
- ▶ Check to make sure the hood is fully closed.

If you can raise the hood at a point above the headlamps, then it is not properly closed. Open it again and let it drop with somewhat greater force.

Engine oil

The amount of oil your engine needs will depend on a number of factors, including driving style. Increased oil consumption can occur when

- the vehicle is new
- the vehicle is driven frequently at higher engine speeds

Engine oil consumption checks should only be made after the vehicle break-in period.

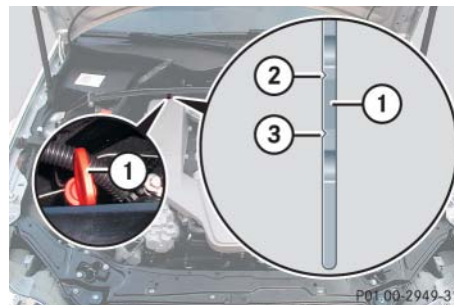
! Do not use any special lubricant additives, as these may damage the drive assemblies. Using special additives not approved by Mercedes-Benz may cause damage not covered by the Mercedes-Benz Limited Warranty.

More information on this subject is available at any Mercedes-Benz Center.

Checking engine oil level

When checking the oil level

- the vehicle must be parked on level ground
- the vehicle must have been stationary for at least 5 minutes with the engine turned off



- ① Oil dipstick
- ② Upper mark (max.)
- ③ Lower mark (min.)

- ▶ Open the hood (> page 205).
- ▶ Pull out oil dipstick ①.
- ▶ Wipe oil dipstick ① clean.

- ▶ Fully insert oil dipstick ① into the dipstick guide tube.
- ▶ Pull out oil dipstick ① again after approximately 3 seconds to obtain accurate reading.

The oil level is correct when it is between lower mark ③ (min.) and upper mark ② (max.) of oil dipstick ①.

i The filling quantity between the upper and lower marks on the oil dipstick is approximately 1.6 US qt.

- ▶ If necessary, add engine oil (> page 208).

For more information on engine oil, see “Fuels, coolants, lubricants, etc.” (> page 348).

For more information on messages in the multifunction display concerning engine oil, see the “Practical hints” section (> page 291).

Engine compartment

Adding engine oil

! Only use approved engine oils and oil filters required for vehicles with Maintenance System. For a listing of approved engine oils and oil filters, refer to the Factory Approved Service Products pamphlet in your vehicle literature portfolio, or contact an authorized Mercedes-Benz Center.

Using engine oils and oil filters of specification other than those expressly required for the Maintenance System, or changing of oil and oil filter at change intervals longer than those called for by the Maintenance System will result in engine or emission control system damage not covered by the Mercedes-Benz Limited Warranty.



① Filler cap

- ▶ Unscrew filler cap ① from filler neck.
- ▶ Add engine oil as required.
Never overfill with oil.

Be careful not to spill any oil when adding. Avoid environmental damage caused by oil entering the ground or water.

! Excess oil must be siphoned or drained off. It could cause damage to the engine and emission control system not covered by the Mercedes-Benz Limited Warranty.

- ▶ Screw filler cap ① back on filler neck.

For more information on engine oil, see the “Technical data” section (▷ page 348) and (▷ page 350).

Transmission fluid level

The transmission fluid level does not need to be checked. If you notice transmission fluid loss or gear shifting malfunctions, have an authorized Mercedes-Benz Center check the automatic transmission.

Coolant

The engine coolant is a mixture of water and anticorrosion/antifreeze.

When checking the coolant level

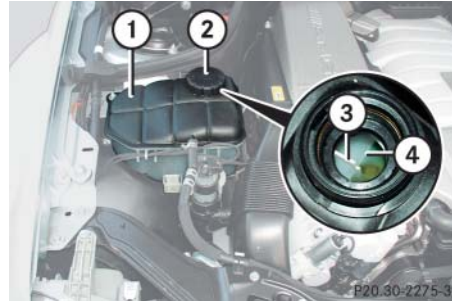
- the vehicle must be parked on level ground
- the coolant temperature must be below 158°F

Warning!

In order to avoid potentially serious burns:

- Use extreme caution when opening the hood if there are any signs of steam or coolant leaking from the cooling system, or if the coolant temperature gauge indicates that the coolant is overheated.
- Do not remove pressure cap on coolant reservoir if the coolant temperature is above 158°F. Allow engine to cool down before removing cap. The coolant reservoir contains hot fluid and is under pressure.
- Using a rag, slowly open the cap approximately 1/2 turn to relieve excess pressure. If opened immediately, scalding hot fluid and steam will be blown out under pressure.
- Do not spill antifreeze on hot engine parts. Antifreeze contains ethylene glycol which may burn if it comes into contact with hot engine parts.

The coolant expansion tank is located on the passenger side of the engine compartment.



- ① Coolant expansion tank
- ② Cap
- ③ Indicator wall
- ④ Coolant level

- ▶ Using a rag, turn cap ② slowly approximately one half turn counterclockwise to release any excess pressure.

- ▶ Continue turning cap ② counterclockwise and remove it.

Coolant level ④ is correct if the level:

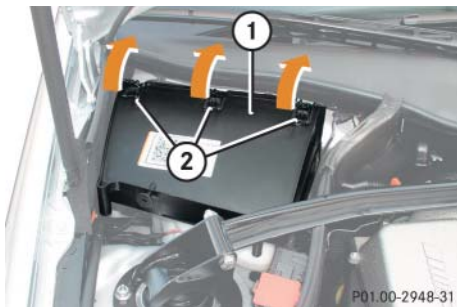
- for cold coolant: reaches the top of indicator wall ③ visible through the filling opening
- for warm coolant: is approximately 0.6 in higher
- ▶ Add coolant as required.
- ▶ Replace and tighten cap ②.

For more information on coolant, see “Coolants” (▷ page 353).

Engine compartment

Windshield washer system and headlamp cleaning system

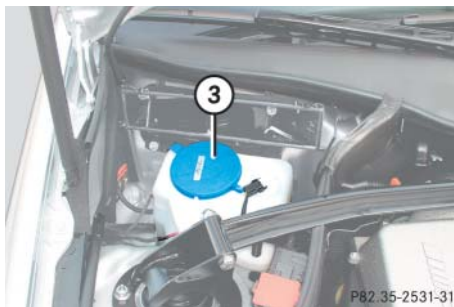
The windshield washer reservoir is located on the passenger side of the engine compartment below a cover.



- ① Cover
- ② Clamps

- ▶ Pull clamps ② in direction of arrow.
- ▶ Lift cover ① up.

You can now access the washer fluid reservoir.



③ Washer fluid reservoir cap

Fluid for the windshield washer system and the headlamp cleaning system is supplied from the windshield washer reservoir. It has a capacity of approximately 6.4 US qt.

During all seasons, add MB Windshield Washer Concentrate “MB SummerFit” to water. Premix the windshield washer fluid in a suitable container.

Warning!



Washer solvent/antifreeze is highly flammable. Do not spill washer solvent/antifreeze on hot engine parts, because it may ignite and burn. You could be seriously burned.

- ▶ Use the tab to pull cap ③ upwards.
- ▶ Refill the reservoir with MB Windshield Washer Concentrate “MB SummerFit” and water (or commercially available premixed windshield washer solvent / antifreeze, depending on ambient temperatures).

! Always use washer solvent/antifreeze where temperatures may fall below the freezing point. Failure to do so could result in damage to the washer system/reservoir.

! Only use washer fluid which is suitable for plastic lenses. Improper washer fluid can damage the plastic lenses of the headlamps.

▶ Install cover ① in reverse order.

! The cap for the washer fluid reservoir must be installed properly. Otherwise washer fluid may escape the washer fluid reservoir which could damage electrical parts or systems.

i Be careful not to spill any washer fluid when adding. Otherwise odors from the washer fluid may enter the passenger compartment.

For more information, see “Windshield washer system and headlamp cleaning system” (> page 355).

Suspension

The vehicle is equipped with a threaded suspension system especially developed by AMG. At delivery the vehicle suspension has already been pre-adjusted to a basic setting which is the optimum one for the vehicle.

You can adapt the threaded suspension system to fit your individual requirements or to fit the intended conditions of use.

You can set the following on the suspension:

- Compression stage/rebound stage of the front axle
- Compression stage/rebound stage of the rear axle
- Front axle level
- Rear axle level

Adjusting the AMG threaded suspension

Warning!



If you change the suspension settings, the vehicle's handling characteristics will change. This could lead to your losing control of the vehicle and causing an accident. You could seriously or even fatally injure yourself or other persons.

Make any adjustments in small steps and carefully check the vehicle's modified handling characteristics and reactions. Starting at low vehicle speeds, gradually become acquainted with the changed handling characteristics of the vehicle.

To adjust the suspension characteristics curves, drive a special adjustment course on a closed-off stretch of road.

Warning!



It is imperative for your safety and the safety of others that you observe and follow the information on the following pages concerning the adjustment of the dampers and the vehicle level. This is the only way to be certain that the modifications carried out on the vehicle are performed correctly. Failure to observe the notes can lead to damage to the vehicle and an accident, injuring you or others.

The tools for adjustment the threaded suspension are with the vehicle tool kit in the trunk (▷ page 300).

- a 2-mm Allen wrench (for the adjustments to the front axle)
- an adjusting wrench (to adjust the rear axle)
- a hook wrench (to adjust the level)

Adjust the dampers

Changing the basic setting

Adjust the dampers in steps of only one quarter of a turn.

Adjustment	Effect
Turning clockwise	harder
Turning counter-clockwise	softer

You can adjust both the compression stage (▷ page 214) and the rebound stage (▷ page 214) and (▷ page 215).

Resetting to original settings

- ▶ Turn the compression stage/rebound stage clockwise to the stop.
- ▶ Turn the compression stage/rebound stage counterclockwise to its basic position as mentioned below.

Basic setting	Turn(s)
Compression stage, front axle	$\frac{3}{4}$
Rebound stage, front axle	1
Compression stage, rear axle	$\frac{1}{2}$
Rebound stage, rear axle	$1\frac{1}{2}$

Optimizing ride comfort

Softer rebound stage:

- ▶ Rotate the compression stage clockwise by between one half and three-quarters of a turn.

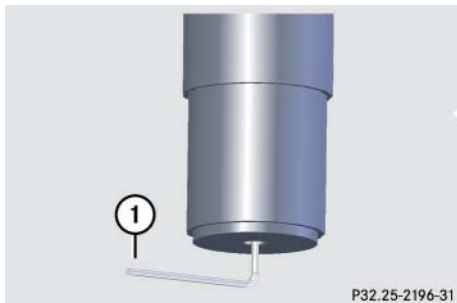
Optimizing for tire type and road conditions

Harder compression stage:

- ▶ Rotate the compression stage counterclockwise by between one-half and three-quarters of a turn.

Suspension

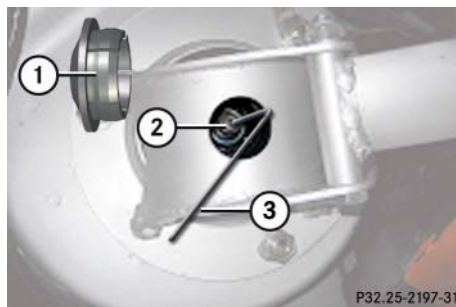
Adjusting the front axle compression stage



Front-axle damper

- ① 2-mm Allen wrench
- ▶ Adjust the compression stage at the bottom of the damper using the 2-mm Allen wrench ①.

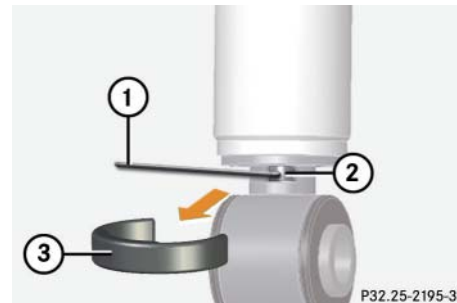
Adjusting the front axle rebound stage



Damper tower

- ① Damper tower cover
- ② Top of the piston rod
- ③ 2-mm Allen wrench
- ▶ Remove damper tower cover ①.
- ▶ Adjust the rebound stage at top of piston rod ② with the 2-mm Allen wrench ③.

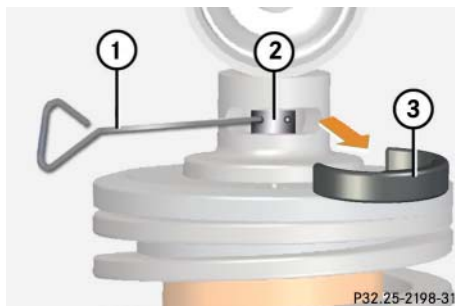
Adjusting the rear axle compression stage



Lower part of rear axle damper

- ① Adjusting wrench
- ② Adjustment pin
- ③ Cover
- ▶ Remove cover ③ from the damper strut.
- ▶ Adjust the adjustment pin ② at the top of the piston rod with adjusting wrench ①.
- ▶ Replace cover ③.

Adjusting the rear axle rebound stage



Rear axle damper, lower part

- ① Adjusting wrench
- ② Adjusting pin
- ③ Cover

- ▶ Remove cover ③ from the damper strut.
- ▶ Adjust adjusting pin ② at the top of the piston rod using adjustment wrench ①.
- ▶ Replace cover ③.

Setting the vehicle level

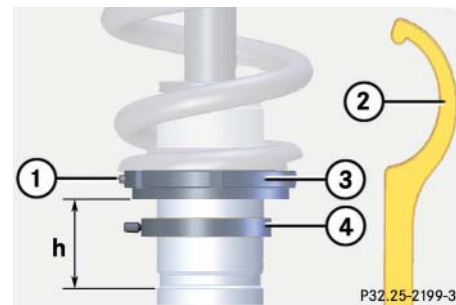
Warning!



If you modify the vehicle level, its handling characteristics will change. This could cause you to lose control of the vehicle and cause an accident. You could injure yourself or other persons seriously or even fatally. For this reason, always have the wheel alignment measured anew at an authorized Mercedes-Benz Center or a qualified specialist workshop.

! If you change the vehicle level by more than 0.20 in (5 mm), this will cause caster and camber values to change, and thus the wheel alignment of your vehicle, too. For this reason, have the wheel alignment measured anew at an authorized Mercedes-Benz Center or a qualified specialist workshop. Otherwise your vehicle's handling characteristics could be adversely affected and tires could wear more rapidly.

Basic setting	Height (h)
Suspension unit, front axle	1.1 in (27.0 mm +/- 1 mm)
Suspension unit, rear axle	1.6 in (39.5 mm +/- 1 mm)



Axle level

- ① Thread locking pin
- ② Hook wrench
- ③ Adjusting ring
- ④ Limiting ring

Suspension

Warning!



Do not adjust the limiting ring, as otherwise there could be contact with other components or with the tires and these could be damaged. This could lead to an accident and severe or even fatal injury to yourself or others.

- ▶ Remove the relevant wheel.
- ▶ Take the 2-mm Allen wrench and the hook wrench from the vehicle tool kit (▷ page 300).
- ▶ Loosen thread locking pin ① in the spring plate by to complete turns using the 2-mm Allen wrench.

! *Clean the adjustment ring thread above and below the adjustment ring using compressed air. Otherwise the thread could be damaged by dirt when adjusting. Do not use brushes when cleaning, as otherwise the coating of the adjusting ring will be damaged.*

- ▶ In order to achieve the desired vehicle height, turn adjusting ring ③ with the hook wrench ②.

When doing this, observe the maximum adjusting range of the adjusting ring ③.

- ▶ Tighten thread locking pin ① again.

! *The maximum tightening torque of thread locking pin ① is 1 lb-ft (1 Nm). Do not exceed this tightening torque. Otherwise adjusting ring ③ could be damaged.*

▼ Tires and wheels

For safety reasons Mercedes-Benz recommends that you only install tires and rims on your vehicle which have been specifically approved by Mercedes-Benz for your vehicle. These tires are especially adapted to the control systems such as ABS or ESP®. Mercedes-Benz cannot assume responsibility for any damage which may arise as a consequence of you using any other tires or rims.

If you use tires other than those tested and recommended for Mercedes-Benz, this may adversely affect characteristics such as handling, noise levels, fuel economy.

Contact an authorized Mercedes-Benz Center for information on tested and recommended rims and tires for summer and winter operation. They can also offer advice concerning tire service and purchase.

Warning!



Replace rims or tires with the same designation, manufacturer and type as shown on the original part. See an authorized Mercedes-Benz Center for further information. If incorrectly sized rims and tires are mounted:

- The wheel brakes or suspension components can be damaged.
- The operating clearance of the wheels and the tires may no longer be correct.

Warning!



Worn, old tires can cause accidents. If the tire tread is worn to minimum tread depth, or if the tires have sustained damage, replace them.

When replacing rims, only use genuine Mercedes-Benz wheel bolts specified for the particular rim type. Failure to do so can result in the bolts loosening and possibly an accident.

Retreaded tires are not tested or recommended by Mercedes-Benz, since previous damage cannot always be recognized on re-treads. The operating safety of the vehicle cannot be assured when such tires are used.

Tires and wheels

Notes on sports tires

Warning!



Due to the special tread on sports tires in combination with the optimized tire mixture, there is an increased risk of skidding or hydroplaning on damp or wet road surfaces. Make sure that when driving in such conditions, ESP® is activated.

Tire grip properties are sharply reduced at low ambient temperatures and low tire temperatures. This leads to an increased risk of skidding and subsequent vehicle instability. Use winter tires at ambient temperatures below 50°F.

If any other person should use this vehicle equipped with sports tires, you, as the registered owner of the vehicle, are responsible for instructing this person on the relevant safety guidelines and limitations.

i Depending on your driving style there can be increased tire wear and decreased tire mileage before the minimum tread depth is reached.

Important guidelines

! A wheel change should only be carried out at an authorized Mercedes-Benz Center. Otherwise there is a danger of damaging the vehicle by jacking it up incorrectly.

- Only use sets of tires and rims of the same type and make.
- Tires must be of the correct size for the rim.
- Break in new tires for approximately 60 miles at moderate speeds.
- Regularly check the tires and rims for damage. Dented or bent rims can cause tire inflation pressure loss and damage to the tire beads.
- If vehicle is heavily loaded, check tire inflation pressure and correct as required.
- Do not allow your tires to wear down too far. Adhesion properties on wet roads are sharply reduced at tread depths under $\frac{1}{8}$ in (3 mm).
- When replacing individual tires, you should mount new tires on the front wheels first (on vehicles with same-sized wheels all around).

Tire care and maintenance

Warning!



Regularly check the tires for damage. Damaged tires can cause tire inflation pressure loss. As a result, you could lose control of your vehicle.

Worn, old tires can cause accidents. If the tire tread is badly worn, or if the tires have sustained damage, replace them.

Regularly check your tire inflation pressure at least once a month. For more information on checking tire inflation pressure see “Recommended tire inflation pressure” (▷ page 226).

Tire inspection

Every time you check your tire inflation pressure, you should also inspect your tires for the following:

- excessive treadwear (▷ page 220)
- cord or fabric showing through the tire’s rubber
- bumps, bulges, cuts, cracks or splits in the tread or side of the tire

Replace the tire if you find any of the above conditions.

Life of tire

The service life of a tire is dependent upon varying factors including but not limited to:

- Driving style
- Tire inflation pressure
- Distance driven

Warning!



Tires should be replaced after 6 years, regardless of the remaining tread.

Tires and wheels

Tread depth

Do not allow your tires to wear down too far. Adhesion properties on wet roads are sharply reduced at tread depths under $\frac{1}{8}$ in (3 mm).

Treadwear indicators (TWI) are required by law. These indicators are located in six places on the tread circumference and become visible at a tread depth of approximately $\frac{1}{16}$ in (1.6 mm), at which point the tire is considered worn and should be replaced.

Recommended minimum tire tread depth:

- Summer tires $\frac{1}{8}$ in (3 mm)
- Winter tires $\frac{1}{6}$ in (4 mm)

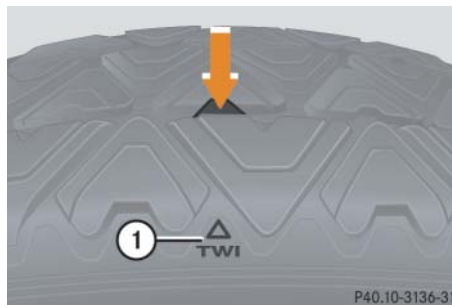
Warning!



Although the applicable federal motor safety laws consider a tire to be worn when the treadwear indicators (TWI) become visible at approximately $\frac{1}{16}$ in (1.6 mm), we recommend that you do not allow your tires

to wear down to that level. As tread depth approaches $\frac{1}{8}$ in (3 mm), the adhesion properties on a wet road are sharply reduced.

Depending upon the weather and/or road surface (conditions), the tire traction varies widely.



① TWI (Tread Wear Indicator)

The treadwear indicator appears as a solid band across the tread.

Storing tires

❗ *Keep unmounted tires in a cool, dry place with as little exposure to light as possible. Protect tires from contact with oil, grease and gasoline.*

Cleaning tires

❗ *Never use a round nozzle to power wash tires. The intense jet of water can result in damage to the tire.*

Always replace a damaged tire.

Direction of rotation

Unidirectional tires offer added advantages, such as better hydroplaning performance. To benefit, however, you must make sure the tires rotate in the direction specified.

An arrow on the sidewall indicates the intended direction of rotation (spinning) of the tire.

Loading the vehicle

Two labels on your vehicle show how much weight it may properly carry.

- 1) The Tire and Loading Information placard can be found on the driver's door B-pillar. This placard tells you important information about the number of people that can be in the vehicle and the total weight that can be carried in the vehicle. It also contains information on the proper size and recommended tire inflation pressures for the original equipment tires on your vehicle.
- 2) The certification label, also found on the driver's door B-pillar tells you about the gross weight capacity of your vehicle, called the Gross Vehicle Weight Rating (GVWR). The GVWR includes the weight of the vehicle, all occupants, fuel and cargo. The certification label also tells you about the front and rear axle weight capacity, called the Gross Axle Weight Rating (GAWR). The GAWR is the total allowable weight that can be

carried by a single axle (front or rear). Never exceed the GVWR or GAWR for either the front axle or rear axle.



① Driver's door B-pillar

Following is a discussion on how to work with the information contained on the Tire and Loading Information placard with regards to loading your vehicle.

Tires and wheels

Tire and Loading Information

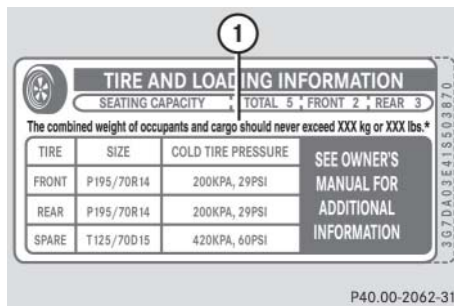
Warning!



Do not overload the tires by exceeding the specified load limit as indicated on the Tire and Loading Information placard on the driver's door B-pillar. Overloading the tires can overheat them, possibly causing a blowout. Overloading the tires can also result in handling or steering problems, or brake failure.

Tire and Loading Information placard

i Data shown on Tire and Loading Information placard example are for illustration purposes only. Load limit data are specific to each vehicle and may vary from data shown in the illustration below. Refer to Tire and Loading Information placard on vehicle for actual data specific to your vehicle.



1 Load limit information on the Tire and Loading Information placard

The Tire and Loading Information placard showing the load limit information is located on the driver's door B-pillar (▷ page 221).

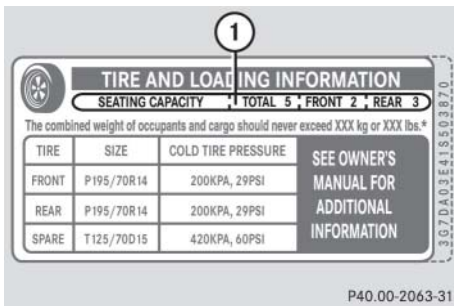
► Locate the statement “The combined weight of occupants and cargo should never exceed XXX kilograms or XXX lbs.” on the Tire and Loading Information placard.

The combined weight of all occupants, cargo/luggage and trailer tongue load (if applicable) should never exceed the weight referenced in that statement.

Seating capacity

The seating capacity gives you important information on the number of occupants that can be in the vehicle. The Tire and Loading Information placard showing the seating capacity is located on the driver's door B-pillar (▷ page 221).

i Data shown on Tire and Loading Information placard example are for illustration purposes only. Seating data are specific to each vehicle and may vary from data shown in the illustration below. Refer to Tire and Loading Information placard on vehicle for actual data specific to your vehicle.



① Seating capacity information on the Tire and Loading Information placard

Steps for determining correct load limit

The following steps have been developed as required of all manufacturers under Title 49, Code of U.S. Federal Regulations, Part 575 pursuant to the “National Traffic and Motor Vehicle Safety Act of 1966”.

Step 1

- ▶ Locate the statement “The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs” on your vehicle’s Tire and Loading Information placard.

Step 2

- ▶ Determine the combined weight of the driver and passengers that will be riding in your vehicle.

Step 3

- ▶ Subtract the combined weight of the driver and passengers from XXX kilograms or XXX lbs.

Step 4

- ▶ The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the “XXX” amount equals 1400 lbs and there will be five 150 lbs passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs (1400-750 (5 x150) = 650 lbs).

Step 5

- ▶ Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in step 4.

Step 6 (if applicable)

- ▶ If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle (▷ page 225).

The following table shows examples on how to calculate total and cargo load capacities with varying seating configurations and number and size of occupants. The following examples use a load limit of 1500 lbs. **This is for illustration purposes only.** Make sure you are using the actual load limit for your vehicle stated on the vehicle’s Tire and Loading Information placard (▷ page 222).

Tires and wheels

Example	Combined weight limit of occupants and cargo from Tire and Loading Information placard	Number of occupants (driver and passengers)	Occupants weight	Combined weight of all occupants	Available cargo/luggage and trailer tongue weight (total load limit from Tire and Loading Information placard minus combined weight of all occupants)
1	1 500 lbs	1	Occupant 1: 175 lbs	175 lbs	1 500 lbs - 175 lbs = 1 325 lbs
2	1 500 lbs	2	Occupant 1: 175 lbs Occupant 2: 195 lbs	370 lbs	1 500 lbs - 370 lbs = 1 130 lbs

The higher the weight of all occupants, the less cargo and luggage load capacity is available.

For more information, see “Trailer tongue load” (▷ page 225).

Certification label

Even after careful determination of the combined weight of all occupants, cargo and the trailer tongue load (if applicable) (▷ page 225) as to not exceed the permissible load limit, you must make sure that your vehicle never exceeds the Gross Vehicle Weight Rating (GVWR) and the Gross Axle Weight Rating (GAWR) for either the front or rear axle. You can obtain the GVWR and GAWR from the certification label. The certification label can be found on the driver's door B-pillar, see "Technical data" (▷ page 340).

Gross Vehicle Weight Rating (GVWR): The total weight of the vehicle, all occupants, all cargo, and the trailer tongue load (▷ page 225) must never exceed the GVWR.

Gross Axle Weight Rating (GAWR): The total allowable weight that can be carried by a single axle (front or rear).

To assure that your vehicle does not exceed the maximum permissible weight limits (GVWR and GAWR for front and rear axle), have the loaded vehicle (including driver, passengers and all cargo and, if applicable, trailer fully loaded) weighed on a suitable commercial scale.

Trailer tongue load

The tongue load of any trailer is an important weight to measure because it affects the load you can carry in your vehicle. If a trailer is towed, the tongue load must be added to the weight of all occupants riding and any cargo you are carrying in the vehicle. The tongue load typically is 10% of the trailer weight and everything loaded in it.

Your Mercedes-Benz has been designed primarily to carry passengers and their cargo. Mercedes-Benz does not recommend trailer towing with your vehicle.

Tires and wheels

Recommended tire inflation pressure

Warning!



Follow recommended tire inflation pressures.

Do not underinflate tires. Underinflated tires wear excessively and/or unevenly, adversely affect handling and fuel economy, and are more likely to fail from being overheated.

Do not overinflate tires. Overinflated tires can adversely affect handling and ride comfort, wear unevenly, increase stopping distance, and result in sudden deflation (blowout) because they are more likely to become punctured or damaged by road debris, potholes etc.

Do not overload the tires by exceeding the specified load limit as indicated on the Tire and Loading Information placard on the driver's door B-pillar. Overloading the tires can overheat them, possibly causing a blowout. Overloading the tires can also result in handling or steering problems, or brake failure.

Your vehicle is equipped with a Tire and Loading Information placard located on the driver's door B-pillar (▷ page 221).

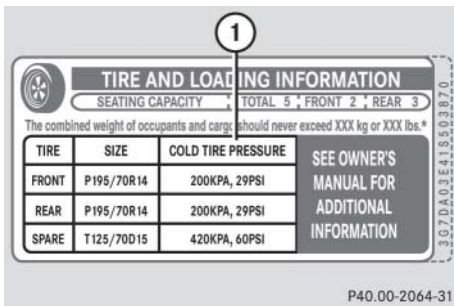
The tire inflation pressure should be checked regularly and should only be adjusted on cold tires. The tires can be considered cold if the vehicle has been parked for at least three hours or driven less than 1 mile.

Follow recommended cold tire inflation pressures listed on the Tire and Loading Information placard on the driver's door B-pillar.

Keeping the tires properly inflated provides the best handling, tread life and riding comfort.

In addition to the Tire and Loading Information placard on the driver's door B-pillar, also consult the tire inflation pressure label (if available) on the fuel filler flap (▷ page 202) for any additional information pertaining to special driving situations. For more information, see "Important notes on tire inflation pressure" (▷ page 228).

i *Data shown on Tire and Loading Information placard example are for illustration purposes only. Tire data are specific to each vehicle and may vary from data shown in the illustration below. Refer to Tire and Loading Information placard on vehicle for actual data specific to your vehicle.*



① Tire and Loading Information placard with recommended cold tire inflation pressures

The Tire and Loading Information placard lists the recommended cold tire inflation pressures for maximum loaded vehicle weight. The tire inflation pressures listed apply to the tires installed as original equipment.

Depending on its conditions of use, two different air pressure values are specified for the vehicle.

- Performance tire inflation pressure for speeds of up to 155 mph (> page 227)
- V-max tire inflation pressure for speeds of up to 186 mph (> page 227)

Performance tire inflation pressure for speeds up to 155 mph

With the Performance tire inflation pressure the tire achieves the best grip and offers the highest level of ride comfort. Set the Performance tire inflation pressure when you do not intend to drive at speeds higher than 155 mph.

Summer tires, front axle	37 psi (2.6 bar)
Summer tires, rear axle	33 psi (2.3 bar)

V-max tire inflation pressure for speeds of up to 186 mph

If you will be driving your vehicle at speeds higher than 155 mph, you must adjust the tire inflation pressure to the V-max pressure, to prevent the tire heating up excessively.

Summer tires, front axle	47 psi (3.3. bar)
Summer tires, rear axle	43 psi (3 bar)

Tire inflation pressure, winter tires up to 149 mph

Winter tires, front axle	43 psi (3 bar)
Winter tires, rear axle	39 psi (2.7 bar)

Important notes on tire inflation pressure

Warning!



If the tire inflation pressure drops repeatedly:

- Check the tires for punctures from foreign objects.
- Check to see whether air is leaking from the valves or from around the rim.

Tire temperature and tire inflation pressure are also increased while driving, depending on the driving speed and the tire load.

If you will be driving your vehicle at high speeds of 100 mph or higher, where it is legal and conditions allow, consult the tire inflation pressure label on the inside of the fuel filler flap (if available) on how to adjust the cold tire inflation pressure. If you do not adjust the tire inflation pressure, excessive heat can build up and result in sudden tire failure.

If your vehicle is not equipped with the tire inflation pressure label on the inside of the fuel filler flap, contact an authorized Mercedes-Benz Center for proper tire inflation pressure.

i *Driving comfort may be reduced when the tire inflation pressure is adjusted to the value for speeds above 100 mph as specified on the tire inflation pressure label located on the inside of the fuel filler flap.*

Be sure to readjust the tire inflation pressure for normal driving speeds. You should wait until the tires are cold before adjusting the tire inflation pressure.

Some vehicles may have supplemental tire inflation pressure information for vehicle loads less than the maximum loaded vehicle condition. If such information is provided, it can be found on the tire inflation pressure label located on the inside of the fuel filler flap (> page 202).

Tire inflation pressure changes by approximately 1.5 psi (0.1 bar) per 18°F (10°C) of air temperature change. Keep this in mind when checking tire inflation pressure where the temperature is different from the outside temperature.

Checking tire inflation pressure

Regularly check your tire inflation pressure at least once a month.

Check and adjust the tire inflation pressure when the tires are cold. The tires can be considered cold if the vehicle has been parked for at least 3 hours or driven less than 1 mile.

If you check the tire inflation pressure when the tires are warm (the vehicle has been driven for several miles or sitting less than 3 hours), the reading will be approximately 4 psi (0.3 bar) higher than the cold reading. This is normal. Do not let air out to match the specified cold tire inflation pressure. Otherwise, the tire will be underinflated.

Warning!



Follow recommended tire inflation pressures.

Do not underinflate tires. Underinflated tires wear excessively and/or unevenly, adversely affect handling and fuel economy, and are more likely to fail from being overheated.

Do not overinflate tires. Overinflated tires can adversely affect handling and ride comfort, wear unevenly, increase stopping distance, and result in sudden deflation (blowout) because they are more likely to become punctured or damaged by road debris, potholes etc.

Do not overload the tires by exceeding the specified load limit as indicated on the Tire and Loading Information placard on the driver's door B-pillar. Overloading the tires can overheat them, possibly causing a blowout. Overloading the tires can also result in handling or steering problems, or brake failure.

Checking tire inflation pressure manually

Follow the steps below to achieve correct tire inflation pressure:

- ▶ Remove the cap from the valve on one tire.
- ▶ Firmly press a tire gauge onto the valve.
- ▶ Read tire inflation pressure on tire gauge and check against the recommended tire inflation pressure on the Tire and Loading Information placard on the driver's door B-pillar (▷ page 221) or, if available, the tire inflation pressure label on the inside of the fuel filler flap. If necessary, add air to achieve the recommended tire inflation pressure.



Tires and wheels

▷▷ **i** *If you have overfilled the tire, release tire inflation pressure by pushing the metal stem of the valve with e.g. a tip of a pen. Then recheck the tire inflation pressure with the tire gauge.*

- ▶ Install the valve cap.
- ▶ Repeat this procedure for each tire.

Checking tire pressure electronically with the Tire Pressure Monitoring System (TPMS)

i *The Tire Pressure Monitoring System (TPMS) is equipped with a combination low tire pressure/TPMS malfunction telltale in the instrument cluster (▷ page 27). Depending on how the telltale illuminates, it indicates a low tire pressure condition or a malfunction in the TPMS system itself:*

- *If the telltale illuminates continuously, one or more of your tires is significantly underinflated. There is no malfunction in the TPMS.*
- *If the telltale flashes for 60 seconds and then stays illuminated, the TPMS system itself is not operating properly.*

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

- (1) This device may not cause harmful interference, and*
- (2) this device must accept any interference received, including interference that may cause undesired operation.*

Any unauthorized modification to this device could void the user's authority to operate the equipment.

The TPMS only functions on wheels that are equipped with the proper electronic sensors. It monitors the tire inflation pressure, as selected by the driver, in all four tires. A warning is issued to alert you to a decrease in pressure in one or more of the tires.

Warning!

The TPMS does not indicate a warning for wrongly selected inflation pressures. Always adjust tire inflation pressure according to the Tire and Loading Information placard on the driver's door B-pillar or, if available, the supplemental tire inflation pressure information on the inside of the fuel filler flap.

The TPMS is not able to issue a warning due to a sudden dramatic loss of pressure (e.g. tire blowout caused by a foreign object). In this case bring the vehicle to a halt by carefully applying the brakes and avoiding abrupt steering maneuvers.

Warning!

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the Tire and Loading Information placard on the driver's door B-Pillar or, if available, the tire inflation pressure label on the fuel filler flap. If your vehicle has tires of a different size than the size indicated on the Tire and Loading Information placard or, if available, the tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly underinflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly underinflated tire causes the tire to

overheat and can lead to tire failure.

Underinflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability. Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if underinflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately 1 minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended.



Tires and wheels

▷▷ TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

i If a condition causing the TPMS to malfunction develops, it may take up to 10 minutes for the system to signal a malfunction using the TPMS telltale flashing and illumination sequence.

The telltale extinguishes after a few minutes driving if the malfunction has been corrected.

i Operating radio transmission equipment (e.g. wireless headsets, two-way radios) in or near the vehicle could cause the TPMS to malfunction.

Tire inflation pressure warnings

If the system detects a significant loss of tire inflation pressure in one or more than one tire, a message appears in the multi-function display.



Example illustration

In addition, a warning signal sounds.

Restarting the TPMS

Warning!





It is the driver's responsibility to calibrate the TPMS on the recommended cold inflation pressure. Underinflated tires affect the ability to steer or brake the vehicle. You might lose control over the vehicle.



The TPMS must be restarted when you have adjusted the tire inflation pressure to a new level (e.g. because of different load or driving conditions). The TPMS is then recalibrated to the current tire inflation pressures.

- ▶ Using the Tire and Loading Information placard on the driver's door B-pillar (▷ page 221) or, if available, the supplemental tire inflation pressure information on the inside of the fuel filler flap (▷ page 202), make sure the tire inflation pressure of all four tires is correct.

i Restart the TPMS after adjusting the tire inflation pressure to the inflation pressure recommended for the vehicle operating condition. Tire pressure should only be adjusted on cold tires. Observe the recommended tire inflation pressure on the Tire and Loading Information placard on the driver's door B-pillar (▷ page 221). Some vehicles may have supplemental tire inflation pressure information for driving at high speeds (▷ page 228) or for vehicle loads less than the maximum loaded vehicle condition (▷ page 228). If such information is provided, it can be found on the inside of the fuel filler flap.

- ▶ Switch on the ignition (▷ page 35).

- ▶ Press button  or  on the multifunction steering wheel repeatedly until the standard display menu appears in the multifunction display (▷ page 109).


- ▶ Press button  or  repeatedly until you see the following message:
Tire Pressure
Monitor Active
Menu: R-Button

- ▶ Press the reset button (▷ page 106).

The following message will appear in the multifunction display:

```
Restart
tire pressure
monitor?
Cancel
Yes
```

- ▶ Press button  or  to select Yes.

- ▶ Press button .


The following message will appear in the multifunction display:

```
Tire Pressure
Monitor
Restarted
```

After driving a few minutes the system verifies that the current tire inflation pressures are within the system's specified range. Afterwards the current tire inflation pressures are accepted as reference pressures and then monitored.

If you wish to cancel activation:

- ▶ Press button  or  to select Cancel.

- ▶ Press button .

Tires and wheels

Potential problems associated with underinflated and overinflated tires

Underinflated tires

Underinflated tires can:

- cause excessive and uneven tire wear
- adversely affect fuel economy
- lead to tire failure from being overheated
- adversely affect handling characteristics

Warning!



Follow recommended tire inflation pressures.

Do not underinflate tires. Underinflated tires wear excessively and/or unevenly, adversely affect handling and fuel economy, and are more likely to fail from being overheated.

Overinflated tires

Overinflated tires can:

- adversely affect handling characteristics
- cause uneven tire wear
- be more prone to damage from road hazards
- adversely affect ride comfort
- increase stopping distance

Warning!



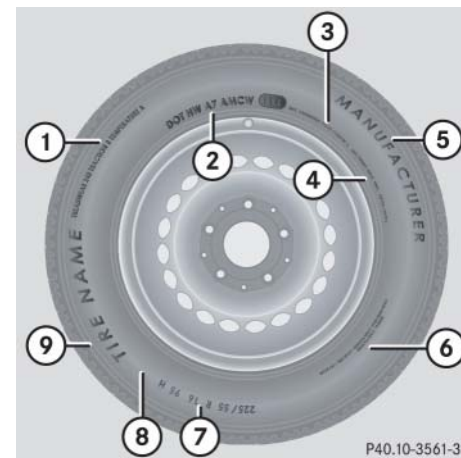
Follow recommended tire inflation pressures.

Do not overinflate tires. Overinflated tires can adversely affect handling and ride comfort, wear unevenly, increase stopping distance, and result in sudden deflation (blowout) because they are more likely to become punctured or damaged by road debris, potholes etc.

Tire labeling

Besides tire name (sales designation) and manufacturer name, a number of markings can be found on a tire.

Following are some explanations for the markings on your vehicle's tires:

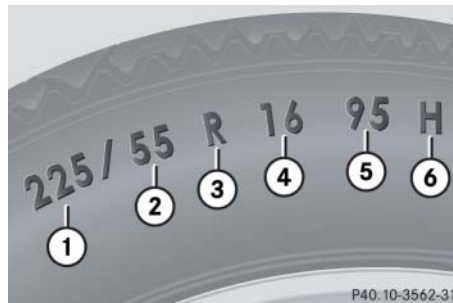


- ① Uniform Quality Grading Standards (▷ page 242)
- ② DOT, Tire Identification Number (TIN) (▷ page 239)
- ③ Maximum tire load (▷ page 240)
- ④ Maximum tire inflation pressure (▷ page 241)
- ⑤ Manufacturer
- ⑥ Tire ply material (▷ page 243)
- ⑦ Tire size designation, load and speed rating (▷ page 235)
- ⑧ Load identification (▷ page 238)
- ⑨ Tire name

i For illustration purposes only. Actual data on tires are specific to each vehicle and may vary from data shown in above illustration.

For more information, see “Rims and tires” (▷ page 344).

Tire size designation, load and speed rating



- ① Tire width
- ② Aspect ratio in %
- ③ Radial tire code
- ④ Rim diameter
- ⑤ Tire load rating
- ⑥ Tire speed rating

i For illustration purposes only. Actual data on tires are specific to each vehicle and may vary from data shown in above illustration.

General:

Depending on the design standards used, the tire size molded into the sidewall may have no letter or a letter preceding the tire size designation.

No letter preceding the size designation (as illustrated above): Passenger car tire based on European design standards.

Letter “P” preceding the size designation: Passenger car tire based on U.S. design standards.

Letter “LT” preceding the size designation: Light Truck tire based on U.S. design standards.

Letter “T” preceding the size designation: Temporary spare tires which are high pressure compact spares designed for temporary emergency use only.

Tires and wheels

Tire width

The tire width ① (▷ page 235) indicates the nominal tire width in mm.

Aspect ratio

The aspect ratio ② (▷ page 235) is the dimensional relationship between tire section height and section width and is expressed in percentage. The aspect ratio is arrived at by dividing section height by section width.

Tire code

The tire code ③ (▷ page 235) indicates the tire construction type. The “R” stands for radial tire type. Letter “D” means diagonal or bias ply construction; letter “B” means belted-bias ply construction.

At the tire manufacturer’s option, any tire with a speed capability above 149 mph (240 km/h) can include a “ZR” in the size designation (for example: 245/40 ZR 18). For additional information, see “Tire speed rating” (▷ page 237).

Rim diameter

The rim diameter ④ (▷ page 235) is the diameter of the bead seat, not the diameter of the rim edge. Rim diameter is indicated in inches (in).

Tire load rating

The tire load rating ⑤ (▷ page 235) is a numerical code associated with the maximum load a tire can support.

For example, a load rating of 91 corresponds to a maximum load of 1356 lbs (615 kg) the tire is designed to support. See also “Maximum tire load” (▷ page 240) where the maximum load associated with the load index is indicated in kilograms and lbs.

Warning!



The tire load rating must always be at least half of the GAWR (▷ page 244) of your vehicle. Otherwise, tire failure may be the result which may cause an accident and/or serious personal injury to you or others.

Always replace rims and tires with the same designation, manufacturer and type as shown on the original part.

Warning!



Do not overload the tires by exceeding the specified load limit as indicated on the Tire and Loading Information placard located on the driver’s door B-pillar. Overloading the tires can overheat them, possibly causing a blowout. Overloading the tires can also result in handling or steering problems, or brake failure.

For additional information on tire load rating, see “Load identification” (▷ page 238).

i Tire load rating ⑤ (▷ page 235) and tire speed rating ⑥ (▷ page 235) are also referred to as “service description”.

Tire speed rating

The tire speed rating ⑥ (▷ page 235) indicates the approved maximum speed for the tire.

Warning!



Even when permitted by law, never operate a vehicle at speeds greater than the maximum speed rating of the tires.

Exceeding the maximum speed for which tires are rated can lead to sudden tire failure, causing loss of vehicle control and possibly resulting in an accident and/or personal injury and possible death, for you and for others.

i Tire load rating ⑤ (▷ page 235) and tire speed rating ⑥ (▷ page 235) are also referred to as “service description”.

Summer tires

Index	Speed rating
Q	up to 100 mph
R	up to 106 mph
S	up to 112 mph
T	up to 118 mph
H	up to 130 mph
V	up to 149 mph
W	up to 168 mph
Y	up to 186 mph
(Y)	above 186 mph
ZR	above 149 mph

- At the tire manufacturer’s option, any tire with a speed capability above 149 mph can include a “ZR” in the size designation (for example: 245/40 ZR18). To determine the maximum speed capability of the tire, the service description for the tire must be referred to. The service description is comprised of the tire load rating ⑤ (▷ page 235) and the tire speed rating ⑥ (▷ page 235).

If your tire includes “ZR” in the size designation and no service description ⑤ and ⑥ (▷ page 235) is given, the tire manufacturer must be consulted for the maximum speed capability.

Tires and wheels

If a service description ⑤ and ⑥ (▷ page 235) is given, the speed capability is limited by the speed symbol in the service description.


Example: 245/40 ZR18 97Y.


In this example, “97Y” is the service description. The letter “Y” designates the speed rating and the speed capability of the tire is limited to 186 mph.

- Any tire with a speed capability above 186 mph must include a “ZR” in the size designation AND the service description must be placed in parenthesis. Example: 275/40 ZR 18 (99Y). The “(Y)” speed rating in parenthesis designates the maximum speed capability of the tire as being above 186 mph. Consult the tire manufacturer for the actual maximum permissible speed of the tire.

All-season and winter tires

Index	Speed rating
Q M+S ¹	up to 100 mph
T M+S ¹	up to 118 mph
H M+S ¹	up to 130 mph
V M+S ¹	up to 149 mph

¹ or M+S  for winter tires.

i Not all M+S rated tires provide special winter performance. Make sure the tires you use show M+S and the mountain/snowflake  marking on the tire sidewall. These tires meet specific snow traction performance requirements of the Rubber Manufacturers Association (RMA) and have been designed specifically for use in snow conditions.

Load identification



① Load identification

i For illustration purposes only. Actual data on tires are specific to each vehicle and may vary from data shown in above illustration.

In addition to tire load rating, special load identification ① may be molded into the tire sidewall following the letter designating the tire speed rating (▷ page 235).

No specification given: absence of any text (like in above example) indicates a standard load (SL) tire.

XL or Extra Load: designates an extra load (or reinforced) tire.

Light Load: designates a light load tire.

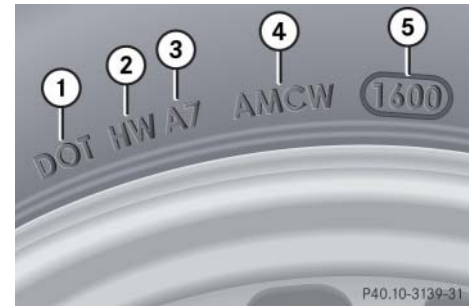
C, D, E: designates load range associated with the maximum load a tire can carry at a specified pressure.

DOT, Tire Identification Number (TIN)

U.S. tire regulations require each new tire manufacturer or tire retreader to mold a TIN into or onto a sidewall of each tire produced.

The TIN is a unique identifier which facilitates efforts by tire manufacturers to notify purchasers in recall situations or other safety matters concerning tires and gives purchasers the means to easily identify such tires.

The TIN is comprised of “Manufacturer’s identification mark”, “Tire size”, “Tire type code” and “Date of manufacture”.



- ① DOT
- ② Manufacturer’s identification mark
- ③ Tire size
- ④ Tire type code (at the option of the tire manufacturer)
- ⑤ Date of manufacture

i For illustration purposes only. Actual data on tires are specific to each vehicle and may vary from data shown in above illustration.

Tires and wheels

DOT (Department of Transportation)

A tire branding symbol ① (▷ page 239) which denotes the tire meets requirements of the U.S. Department of Transportation.

Manufacturer's identification mark

The manufacturer's identification mark ② (▷ page 239) denotes the tire manufacturer.

New tires have a mark with two symbols.

Retreaded tires have a mark with four symbols. For more information on retreaded tires, see (▷ page 217).

Tire size

The code ③ (▷ page 239) indicates the tire size.

Tire type code

The code ④ (▷ page 239) may, at the option of the manufacturer, be used as a descriptive code for identifying significant characteristics of the tire.

Date of manufacture

The date of manufacture ⑤ (▷ page 239) identifies the week and year of manufacture.

The first two figures identify the week, starting with "01" to represent the first full week of the calendar year. The second two figures represent the year.

For example, "3202" represents the 32nd week of 2002.

Maximum tire load



① Maximum tire load rating

i For illustration purposes only. Actual data on tires are specific to each vehicle and may vary from data shown in above illustration.

The maximum tire load is the maximum weight the tires are designed to support.

Warning!

Do not overload the tires by exceeding the specified load limit as indicated on the Tire and Loading Information placard located on the driver's door B-pillar. Overloading the tires can overheat them, possibly causing a blowout. Overloading the tires can also result in handling or steering problems, or brake failure.

For more information on tire load rating (▷ page 236).

For information on calculating total and cargo load capacities (▷ page 223).

Maximum tire inflation pressure

① Maximum permissible tire inflation pressure

i *For illustration purposes only. Actual data on tires are specific to each vehicle and may vary from data shown in above illustration.*

This is the maximum permissible tire inflation pressure for the tire.

Always follow the recommended tire inflation pressure (▷ page 226) for proper tire inflation.

Warning!

Never exceed the max. tire inflation pressure. Follow recommended tire inflation pressures.

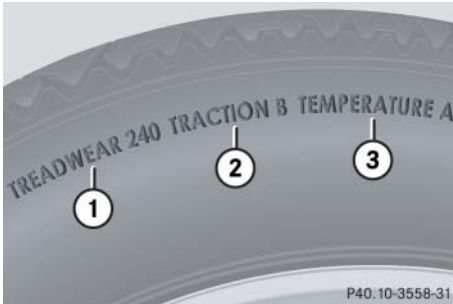
Do not underinflate tires. Underinflated tires wear excessively and/or unevenly, adversely affect handling and fuel economy, and are more likely to fail from being overheated.

Do not overinflate tires. Overinflated tires can adversely affect handling and ride comfort, wear unevenly, increase stopping distance, and result in sudden deflation (blowout) because they are more likely to become punctured or damaged by road debris, potholes etc.

Tires and wheels

Uniform Tire Quality Grading Standards (U.S. vehicles)

Tire manufacturers are required to grade tires based on three performance factors: treadwear, traction and temperature resistance.



- ① Treadwear
- ② Traction
- ③ Temperature resistance

i For illustration purposes only. Actual data on tires are specific to each vehicle and may vary from data shown in above illustration.

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

Treadwear	Traction	Temperature
200	AA	A

All passenger car tires must conform to federal safety requirements in addition to these grades.

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half ($1\frac{1}{2}$) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly

from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction

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

Warning!



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

Temperature

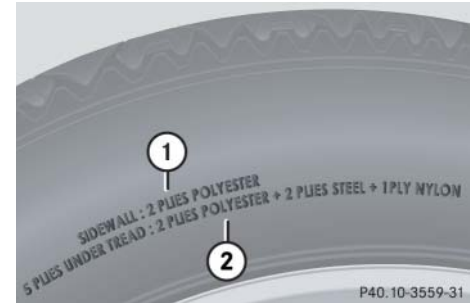
The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Warning!



The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause excessive heat build-up and possible tire failure.

Tire ply material



- ① Plies in sidewall
- ② Plies under tread

i For illustration purposes only. Actual data on tires are specific to each vehicle and may vary from data shown in above illustration.

This marking tells you about the type of cord and number of plies in the sidewall and under the tread.

Tires and wheels

Tire and loading terminology

Accessory weight

The combined weight (in excess of those standard items which may be replaced) of automatic transmission, power steering, power brakes, power windows, power seats, radio, and heater, to the extent that these items are available as factory-installed equipment (whether installed or not).

Air pressure

The amount of air inside the tire pressing outward on each square inch of the tire. Air pressure is expressed in pounds per square inch (psi), or kilopascal (kPa) or bars.

Aspect ratio

Dimensional relationship between tire section height and section width expressed in percentage.

Bar

Another metric unit for air pressure. There are 14.5038 pounds per square inch (psi) to 1 bar; there are 100 kilopascals (kPa) to 1 bar.

Bead

The tire bead contains steel wires wrapped by steel cords that hold the tire onto the rim.

Cold tire inflation pressure

Tire inflation pressure when your vehicle has been sitting for at least 3 hours or driven no more than 1 mile.

Curb weight

The weight of a motor vehicle with standard equipment including the maximum capacity of fuel, oil, and coolant, and, if so equipped, air conditioning and additional optional equipment, but without passengers and cargo.

DOT (Department of Transportation)

A tire branding symbol which denotes the tire meets requirements of the U.S. Department of Transportation.

GAWR (Gross Axle Weight Rating)

The GAWR is the maximum permissible axle weight. The gross vehicle weight on each axle must never exceed the GAWR for the front and rear axle indicated on the certification label located on the driver's door B-pillar.

GVW (Gross Vehicle Weight)

The GVW comprises the weight of the vehicle including fuel, tools, spare wheel, installed accessories, passengers and cargo and, if applicable, trailer tongue load. The GVW must never exceed the GVWR indicated on the certification label located on the driver's door B-pillar.

GVWR (Gross Vehicle Weight Rating)

This is the maximum permissible vehicle weight of the fully loaded vehicle (weight of the vehicle including all options, passengers, fuel, and cargo and, if applicable, trailer tongue load). It is indicated on certification label located on the driver's door B-pillar.

Kilopascal (kPa)

The metric unit for air pressure. There are 6.9 kPa to 1 psi; another metric unit for air pressure is bars. There are 100 kilopascals (kPa) to 1 bar.

Maximum load rating

The maximum load in kilograms and pounds that can be carried by the tire.

Maximum loaded vehicle weight

The sum of curb weight, accessory weight, total load limit and production options weight.

Maximum tire inflation pressure

This number is the greatest amount of air pressure that should ever be put in the tire under normal driving conditions.

Normal occupant weight

The number of occupants the vehicle is designed to seat, multiplied by 68 kilograms (150 lbs).

Occupant distribution

The distribution of occupants in a vehicle at their designated seating positions.

Production options weight

The combined weight of those installed regular production options weighing over 5 lbs (2.3 kilograms) in excess of those standard items which they replace, not previously considered in curb weight or accessory weight, including heavy duty brakes, ride levelers, roof rack, heavy duty battery, and special trim.

PSI (Pounds per square inch)

A standard unit of measure for air pressure -> bar, kilopascal (kPa).

Recommended tire inflation pressure

The recommended tire inflation pressure is listed on the Tire and Loading Information placard located on driver's door B-pillar for normal driving conditions and provides best handling, tread life and riding comfort. If so equipped, supplemental information pertaining to special driving situations can be found on the tire inflation pressure label on the inside of the fuel filler flap.

Rim

A metal support for a tire or a tire and tube assembly upon which the tire beads are seated.

Sidewall

The portion of a tire between the tread and the bead.

Tires and wheels

TIN (Tire Identification Number)

Unique identifier which facilitates efforts by tire manufacturers to notify purchasers in recall situations or other safety matters concerning tires and gives purchases the means to easily identify such tires. The TIN is comprised of “Manufacturer’s identification mark”, “Tire size”, “Tire type code” and “Date of manufacture”.

Tire load rating

Numerical code associated with the maximum load a tire can support.

Tire ply composition and material used

This indicates the number of plies or the number of layers of rubber-coated fabric in the tire tread and sidewall. Tire manufacturers also must indicate the ply materials in the tire and sidewall, which include steel, nylon, polyester, and others.

Tire speed rating

Part of tire designation; indicates the speed range for which a tire is approved.

Total load limit

Rated cargo and luggage load plus 68 kilograms (150 lbs) times the vehicle’s designated seating capacity.

Traction

Force exerted by the vehicle on the road via the tires. The amount of grip provided.

Tread

The portion of a tire that comes into contact with the road.

Treadwear indicators

Narrow bands, sometimes called “wear bars” that show across the tread of a tire when only $\frac{1}{16}$ in (1.6 mm) of tread remains.

Uniform Tire Quality Grading Standards

A tire information system that provides consumers with ratings for a tire’s traction, temperature and treadwear. Ratings are determined by tire manufacturers using government testing procedures. The ratings are molded into the sidewall of the tire.

Vehicle maximum load on the tire

Load on an individual tire that is determined by distributing to each axle its share of the maximum loaded vehicle weight and dividing it by two.

Rotating tires

! *A wheel change should only be carried out at an authorized Mercedes-Benz Center. Otherwise there is a danger of damaging the vehicle by jacking it up incorrectly.*

Warning!



Rotate front and rear wheels only if the tires are of the same dimension.

If your vehicle is equipped with mixed-size tires (different tire dimensions front vs. rear), tire rotation is not possible.

Tire rotation can be performed on vehicles with tires of the same dimension all around. If your vehicle is equipped with tires of the same dimension all around, tires can be rotated, observing a front-to-rear rotation pattern that will maintain the intended rotation (spinning) direction of the tire (▷ page 221).

In some cases, such as when your vehicle is equipped with mixed-size tires (different tire dimension front vs. rear), tire rotation is not possible.

If applicable to your vehicle's tire configuration, tires can be rotated according to the tire manufacturer's recommended intervals in the tire manufacturer's warranty pamphlet located in your vehicle literature portfolio. If none is available, tires should be rotated every 3000 to 6000 miles, or sooner if necessary, according to the degree of tire wear. The same rotation (spinning) direction must be maintained (▷ page 221).

Rotate tires before the characteristic tire wear pattern becomes visible (shoulder wear on front tires and tread center wear on rear tires).

Thoroughly clean the mounting face of wheels and brake disks, i.e. the inner side of the wheels/tires, during each rotation. Check for and ensure proper tire inflation pressure.

Warning!



Have the tightening torque checked after changing a wheel. Wheels could become loose if not tightened with a torque of 96 lb-ft (130 Nm).

Only use Genuine Mercedes-Benz wheel bolts specified for your vehicle's rims.

For information on wheel change, see the "Practical hints" section (▷ page 316).


Winter driving

Before the onset of winter, have your vehicle winterized at an authorized Mercedes-Benz Center. This service includes:

- Check of anticorrosion and antifreeze concentration.
- Addition of cleaning concentrate to the water of the windshield and headlamp cleaning system. Add MB Concentrate “MB SummerFit” to a premixed windshield washer solvent/antifreeze which is formulated for temperatures below freezing point (▷ page 355).
- Battery test. Battery capacity drops with decreasing ambient temperature. A well charged battery helps to make sure the engine can be started even at low ambient temperatures.
- Tire change.

Winter tires

! *A wheel change should only be carried out at an authorized Mercedes-Benz Center. Otherwise there is a danger of damaging the vehicle by jacking it up incorrectly.*

Always use winter tires at temperatures below 45°F and whenever wintry road conditions prevail. Not all M+S rated tires provide special winter performance. Make sure the tires you use show the mountain/snowflake  marking on the tire sidewall. These tires meet specific snow traction performance requirements of the Rubber Manufacturers Association (RMA) and have been designed specifically for use in snow conditions. Use of winter tires is the only way to achieve the maximum effectiveness of the ABS and the ESP® in winter operation.

For safe handling, make sure that all mounted winter tires are of the same make and have the same tread design.

Warning!



Winter tires with a tread depth of less than $\frac{1}{6}$ in (4 mm) must be replaced. They are no longer suitable for winter operation.

Always observe the speed rating of the winter tires installed on your vehicle. If the maximum speed for which your tires are rated is below the speed rating of your vehicle, you must place a notice to this effect where it will be seen by the driver. Such notices are available at your tire dealer or any authorized Mercedes-Benz Center.

Snow chains

! Some tire sizes do not leave adequate clearance for snow chains. To help avoid serious damage to your vehicle or tires, make sure that the use of snow chains is permissible as specified in the “Technical data” section of this Operator’s Manual, see “Rims and tires” (▷ page 344).

Snow chains should only be driven on snow-covered roads at speeds not to exceed 30 mph. Remove chains as soon as possible when driving on roads without snow.

Please observe the following guidelines when using snow chains:

- Using snow chains is not permissible with all wheel/tire combinations (▷ page 344).
- Use snow chains in pairs and on rear wheels only. Follow the manufacturer's mounting instructions.

! If snow chains are mounted to the front wheels, they may scrape against the body or axle components. The tires or the vehicle could be damaged as a result.

- Only use snow chains that are approved by Mercedes-Benz. Any authorized Mercedes-Benz Center will be glad to advise you on this subject.
- Use of snow chains may be prohibited depending on location. Always check local and state laws before installing snow chains.

i Do not switch off the ESP® when driving in snow or with snow chains mounted.

We strongly recommend that you have your vehicle serviced by an authorized Mercedes-Benz Center, in accordance with the Maintenance Booklet at the times called for by the maintenance service indicator.

! *Failure to have the vehicle maintained in accordance with the Maintenance Booklet and the maintenance service indicator at the designated times/mileage will result in vehicle damage not covered by the Mercedes-Benz Limited Warranty.*

Maintenance service indicator message

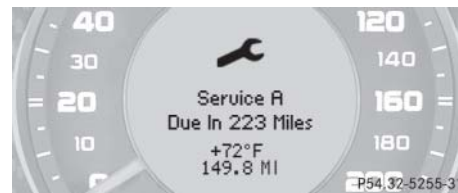
The maintenance service indicator message will notify you when the next maintenance service is due.

Starting approximately 1 month before the next maintenance service is due, one of the following messages will appear in the multifunction display while you are driving or when you switch on the ignition (example service A):

Service A Due In XXXXX Miles (Km)

Service A Due In XXX Days

Service A Due Now



The type of maintenance service due is indicated in the multifunction display:



Basic service (A)



Extended service (B)

i *The Maintenance System in your vehicle tracks distance driven and the time elapsed since your last maintenance service and calculates other maintenance service work required.*

Clearing the maintenance service indicator message

The maintenance service indicator message is automatically cleared after approximately 30 seconds

- when you have switched on the ignition
- after you have reached the maintenance service threshold while driving

You can also clear it yourself.



① Reset button

- ▶ Press reset button ① on the instrument cluster.

The maintenance service indicator message is cleared and the standard display appears in the multifunction display (▷ page 115).

Maintenance service term exceeded

If you have exceeded the suggested maintenance service term, you will see the following message in the multifunction display:







Service A Exceeded By XXXXX Miles (Km)
Service A Exceeded by XXX Days

In addition, a signal sounds when the message appears.


Any authorized Mercedes-Benz Center will reset the maintenance service indicator following a completed maintenance service.

Calling up the maintenance service indicator display

You can call up the maintenance service indicator display at any time to check when the next maintenance service is due.

- ▶ Switch on the ignition (▷ page 35).
- ▶ Press button  or  on the multifunction steering wheel repeatedly until the standard display appears in the multifunction display (▷ page 115).
- ▶ Press button  or  on the multifunction steering wheel until the maintenance service indicator display with the maintenance service symbol  or  and the maintenance service deadline appears in the multifunction display.

i *If the battery is disconnected, the days of disconnection will not be included in the count shown by the maintenance service indicator. To arrive at the true maintenance service deadline, you will need to subtract these days from the days shown in the maintenance service indicator message or maintenance service indicator display.*

Do not confuse the maintenance service indicator with the engine oil level indicator .

Resetting the maintenance service indicator

In the event that the maintenance service on your vehicle is not carried out by an authorized Mercedes-Benz Center, you can have the maintenance service indicator reset. The automotive maintenance facility carrying out the maintenance service will find the information for resetting the maintenance service indicator in the maintenance-relevant information for your vehicle. Such information is available from either your authorized Mercedes-Benz Center or directly from Mercedes-Benz.

! *If the maintenance service indicator was inadvertently reset, have an authorized Mercedes-Benz Center correct it.*

Only reset if the proper maintenance service has been performed. Resetting the system without performing proper maintenance service as called for by the maintenance service indicator will result in engine damage and/or other vehicle damage not covered by the Mercedes-Benz Limited Warranty.

▼ Vehicle care

Cleaning and care of vehicle

Regular and proper care will help to maintain the value of your vehicle. The best way to protect your vehicle from harmful environmental influences is to wash it and use protective treatments regularly.

Warning!



Many cleaning products can be hazardous. Some are poisonous, others are flammable. Always follow the instructions on the particular container. Always open your vehicle's doors or windows when cleaning the inside.

Never use fluids or solvents that are not designed for cleaning your vehicle.

Always lock away cleaning products and keep them out of reach of children.

While in operation, even while parked, your vehicle is subjected to varying external influences which, if gone unchecked, can attack the paintwork as well as the vehicle underbody and cause lasting damage.

Such damage is caused not only by extreme and varying climatic conditions, but also by:

- Air pollution
- Road salt
- Tar
- Gravel and stone chipping

To avoid paint damage, you should immediately remove:

- Grease and oil
- Fuel
- Coolant
- Brake fluid
- Bird droppings
- Insects
- Tree resins, etc.

Frequent washing reduces and/or eliminates the aggressiveness and potency of the above adverse influences.

More frequent washings are necessary to deal with unfavorable conditions:

- near the ocean
- in industrial areas (smoke, exhaust emissions)
- during winter operation

You should check your vehicle from time to time for stone chipping or other damage. Any damage should be repaired as soon as possible to prevent corrosion.

In doing so, do not neglect the underbody of the vehicle. A prerequisite for a thorough check is a washing of the underbody followed by a thorough inspection. Damaged areas need to be re-undercoated.

Your vehicle has been treated at the factory with a wax-base rustproofing in the body cavities which will last for the lifetime of the vehicle. Post-production treatment is neither necessary nor recommended by Mercedes-Benz because of the possibility of incompatibility between materials used in the production process and others applied later.

We have selected car-care products and compiled recommendations which are specially matched to our vehicles and which always reflect the latest technology. You can obtain Mercedes-Benz approved car-care products at an authorized Mercedes-Benz Center.

Scratches, corrosive deposits, corrosion or damage due to negligent or incorrect care cannot always be removed or repaired with the car-care products recommended here. In such cases it is best to seek aid at an authorized Mercedes-Benz Center.

The following topics deal with the cleaning and care of your vehicle and give important “how-to” information as well as references to Mercedes-Benz approved car-care products.

Power washer

! *Follow the instructions provided by the power washer manufacturer on maintaining a distance between the vehicle and the nozzle of the power washer.*

Never use a round nozzle to power-wash tires. The intense jet of water can result in damage to the tire.

Always replace a damaged tire.

Always keep the jet of water moving across the surface. Do not aim directly at electrical parts, electrical connectors, seals, or other rubber parts.

Tar stains

Quickly remove tar stains before they dry and become more difficult to remove. A tar remover is recommended.

Paintwork, painted body components

! *Affixing stickers, magnets, adhesive tape or similar materials to painted body components may damage the paintwork.*

Mercedes-Benz approved Paint Care should be applied when water drops on the paint surface do not “bead up”. This should normally be done every 3 to 5 months, depending on the climate and washing detergent used.

Mercedes-Benz approved Paint Cleaner should be applied if the paint surface shows signs of embedded dirt (i.e. loss of gloss).

Do not apply any of these products or wax if your vehicle is parked in the sun or if the hood is still hot.

- ▶ Use the appropriate MB-Touch-Up Stick for quick and provisional repairs of minor paint damage (i.e. chips from stones, vehicle doors, etc.).

Engine cleaning

Prior to cleaning the engine compartment, make sure to protect electrical components and connectors from contact with water and cleaning agents.

Corrosion protection, such as MB Anticorrosion Wax, should be applied to the engine compartment after every engine cleaning. Before applying, all control linkage bushings and joints should be lubricated. The poly-V-belt and all pulleys should be protected from any wax.

Vehicle washing

In the winter, thoroughly remove all traces of road salt as soon as possible.

When washing the vehicle underbody, do not forget to clean the inner sides of the wheels.

Hand-wash

Do not use hot water or wash your vehicle in direct sunlight.

- ▶ Only use a mild car wash detergent, such as Mercedes-Benz approved Car Shampoo.
- ▶ Thoroughly spray the vehicle with a diffused jet of water.

Direct only a very weak spray towards the ventilation intake.

- ▶ Use plenty of water and rinse the sponge and chamois frequently.
- ▶ Rinse with clean water and thoroughly dry with a chamois.

Do not allow cleaning agents to dry on the finish.

! *Do not use scouring agents on these parts. Never apply strong force and only use a soft, non-scratching cloth when cleaning the vehicle. Do not attempt to wipe the surface with a dry cloth or sponge.*

Otherwise you may scratch or damage the paint.

Automatic car wash

You can have your car washed in an automatic car wash from the start. Automatic car washes without brushes are preferable.

- ▶ To protect the filter system, switch the automatic climate control to air recirculation mode (▷ page 157).

! *Do not clean your vehicle in an automatic touchless car wash which uses caustic spray. Otherwise the caustic spray will damage the paint or ornamental moldings.*

If the vehicle is very dirty, prewash it before running it through the automatic car wash.

! *Make sure that the windshield wiper switch is set to 0 (▷ page 51). Otherwise, e.g. the rain sensor could activate and cause the wipers to move unintentionally. This may lead to vehicle damage.*

Due to the width of the vehicle, fold in exterior rear view mirrors prior to running the vehicle through an automatic car wash to prevent damage to the mirrors.

Vehicle care

i After running the vehicle through an automatic car wash, wipe any wax off of the windshield (▷ page 256). This will prevent smears and reduce wiping noise which can be caused by residual wax on the windshield.

When leaving the car wash, make sure that the mirrors are folded out. Otherwise they may vibrate.

Ornamental moldings

For regular cleaning and care of ornamental moldings, use a damp cloth.

! Do not use chrome cleaner on ornamental moldings. Although ornamental moldings may have chrome appearance, they could be made of anodized aluminum that will be damaged when cleaned with chrome cleaner. Instead, use a damp cloth to clean those ornamental moldings.

For very dirty ornamental moldings of which you are sure are chrome-plated, use a chrome cleaner. If in doubt whether an ornamental molding is chrome-plated, contact an authorized Mercedes-Benz Center.

Headlamps, tail lamps, side markers, turn signal lenses

- ▶ Use a mild car wash detergent, such as Mercedes-Benz approved Car Shampoo, with plenty of water.

! Only use window cleaning solutions that are suitable for plastic lamp lenses. Window cleaning solutions which are not suitable may damage the plastic lamp lenses of the headlamps. Therefore, do not use abrasives, solvents or cleaners that contain solvents.

Never apply strong force and only use a soft, non-scratching cloth when cleaning the lenses. Do not attempt to wipe dirty lenses with a dry cloth or sponge.

Otherwise you may scratch or damage the lens surface.

Cleaning the windows and the wiper blades

Warning!



For safety reasons, switch off wipers and remove SmartKey from starter switch before cleaning the windshield and/or the wiper blades. Otherwise, the wiper motor could suddenly turn on and cause injury.

! Never open or close the hood when the wiper arms are folded forward. You could otherwise damage the hood and/or the wiper arms.

- ▶ Make sure the hood is fully closed.
- ▶ Remove the SmartKey from the starter switch (▷ page 35).
- ▶ Fold the wiper arms forward until they snap into place.

! Do not pull on the wiper blade inserts. They could tear.

- ▶ Clean the wiper blade inserts with a clean cloth and detergent solution.
- ▶ Use a soft, clean cloth and a mild window cleaning solution on all outside and inside glass surfaces.

An automotive glass cleaner is recommended.

! Fold the windshield wiper arms back onto the windshield before turning the SmartKey in the starter switch.

Hold on to the wiper when folding the wiper arm back. If released, the force of the impact from the tensioning spring could crack the windshield.

! To clean the window interior, do not use a dry cloth, abrasives, solvents or cleaners containing solvents. Do not touch the inside of the front, rear or side windows with hard objects such as an ice scraper or ring. Doing so may damage the windows.

Light alloy wheels

If possible, clean wheels once a week.

- ▶ Use Mercedes-Benz approved Wheel Care, a soft bristle brush and a strong spray of water for cleaning the light alloy wheels.

! Only use acid-free cleaning materials. Acid may cause corrosion or damage the clear coat.

! The vehicle should not be parked for an extended period of time immediately after it has been cleaned, especially not after the wheel rims have been cleaned with wheel rim cleaner.

Wheel rim cleaners can lead to increased corrosion of the brake disks and brake pads. Non-approved wheel cleaners may also damage the wheel paint if the car is not driven after cleaning. Therefore, the vehicle's brake system should always be warmed-up before it is parked after cleaning. To do so, please drive your vehicle for several minutes to allow the brakes to dry.

When applying Mercedes-Benz approved Tire Care and Mercedes-Benz approved Wheel Care products, take care not to spray them on the brake disks.

Plastic and rubber parts

- ▶ Use a gentle dishwashing detergent or mild detergent for delicate fabrics as a washing solution.
- ▶ Wipe with a cloth moistened in a lukewarm solution.

The surface may temporarily change color. If this is the case, wait for it to dry.

Warning!



Do not use cleaners or cockpit care sprays containing solvents to clean the cockpit or the steering wheel. Cleaners containing solvents will make the surface porous and vehicle occupants could suffer serious injuries from plastic parts coming loose in the event of air bag deployment.

Vehicle care

! Do not use oil, wax or scouring agents on these parts.

Never apply strong force and only use a soft, non-scratching cloth when cleaning the surface. Do not attempt to wipe the surface with a dry cloth or sponge.

Otherwise you may scratch or damage the surface.

Hard plastic trim items

- ▶ Use Mercedes-Benz approved Interior Care, a soft, lint-free cloth and apply with light pressure.

! Never apply strong force and only use a soft, non-scratching cloth when cleaning the surface. Do not attempt to wipe the surface with a dry cloth or sponge.

Otherwise you may scratch or damage the surface.

Steering wheel and gear selector lever

- ▶ Wipe with a damp cloth and dry thoroughly or clean with Mercedes-Benz approved Leather Care.

Carpets

- ▶ Use Mercedes-Benz approved Carpet and Fabric Care for cleaning the carpets.

Headliner and shelf below rear window

- ▶ Use a soft bristle brush or a dry-shampoo cleaner in case of excessive dirt.

Seat belts

- ▶ Only use clear, lukewarm water and soap.

! The seat belts must not be treated with chemical cleaning agents. Do not dry the seat belts at temperatures above 176°F or in direct sunlight.

Warning!



Do not bleach or dye seat belts as this may severely weaken them. In a crash they may not be able to provide adequate protection.

Upholstery

Using aftermarket seat covers or wearing clothing that have the tendency to give off coloring (e.g. when wet, etc.) may cause the upholstery to become permanently discolored. By lining the seats with a proper intermediate cover, contact-discoloration will be prevented.

Leather upholstery

Please note that leather upholstery is a natural product and is therefore subject to a natural aging process. Leather upholstery may also react to certain ambient influences such as high humidity or high temperature by showing wrinkles for example.

- ▶ Wipe leather upholstery with a damp cloth and dry thoroughly or clean with Mercedes-Benz approved Leather Care.

! *Wipe with light pressure to avoid damage to the upholstery.*

Exercise particular care when cleaning perforated leather as its underside should not become wet.

Chrome-plated exhaust tip

Regular cleaning and care of chrome-plated exhaust tips will help to maintain their shine and the classy appearance.

- ▶ Use Mercedes-Benz approved Chrome Polishing Paste each time the vehicle has been washed, especially during the winter.

! *Do not use alkaline cleaners such as wheel cleaners as they could cause corrosion.*



What to do if ...?

Where will I find...?

Unlocking/locking in an emergency

Replacing SmartKey batteries

Replacing bulbs

Replacing wiper blades

Flat tire

Battery

Jump starting

Towing the vehicle

Fuses


What to do if ...?


Lamps in instrument cluster

General information:

If any of the following lamps in the instrument cluster fails to come on during the

bulb self-check when switching on the ignition, have the respective bulb checked and replaced if necessary.

Problem	Possible cause/consequence	Suggested solution
 <p>The yellow ABS indicator lamp comes on while the engine is running.</p>	<p>The ABS has detected a malfunction and has switched off. The BAS and the ESP® are also switched off (see messages in the multifunction display).</p> <p>The brake system is still functioning normally but without the systems specified above.</p> <p>If the ABS control unit is malfunctioning, other systems such as the navigation system or the automatic transmission may also be malfunctioning.</p> <p>The charging voltage has fallen below 10 volts. The ABS has switched off. The BAS and the ESP® are also switched off (see messages in the multifunction display).</p> <p>The battery might not be charged sufficiently.</p>	<ul style="list-style-type: none"> ▶ Continue driving with added caution. Wheels will lock during hard braking, reducing steering capability. ▶ Read and observe messages in the multifunction display (▷ page 278). ▶ Have the system checked at an authorized Mercedes-Benz Center as soon as possible. <p>Failure to follow these instructions increases the risk of an accident.</p> <p>When the voltage is above this value again, the ABS is operational again and the ABS indicator lamp should go out.</p> <p>If the ABS indicator lamp does not go out:</p> <ul style="list-style-type: none"> ▶ Have the generator (alternator) and the battery checked.

Problem	Possible cause/consequence	Suggested solution
 <p>The yellow ABS indicator lamp comes on while the engine is running.</p>	<p>The ABS is temporarily not available. The ESP® and the BAS are also unavailable.</p> <p>The system's self-diagnosis may not be completed yet.</p> <p>The brake system is still functioning normally but without the systems specified above.</p>	<ul style="list-style-type: none"> ▶ Drive a short distance with added caution at a vehicle speed of above 12 mph. <p>When the ABS indicator lamp goes out, the ABS, the ESP®, and the BAS are available again.</p> <p>If the yellow ABS indicator lamp does not go out:</p> <ul style="list-style-type: none"> ▶ Continue driving with added caution. ▶ Have the system checked at an authorized Mercedes-Benz Center as soon as possible. <p>Failure to follow these instructions increases the risk of an accident.</p>

What to do if ...?

Problem	Possible cause/consequence	Suggested solution
BRAKE The red brake warning lamp comes on while driving and an acoustic warning sounds.	You are driving with the parking brake set.	▶ Release the parking brake (▷ page 49).
The red brake warning lamp comes on while driving.	There is insufficient brake fluid in the reservoir.	<p>Risk of accident!</p> <ul style="list-style-type: none"> ▶ Carefully stop the vehicle in a safe location or as soon it is safe to do so. ▶ Apply the parking brake (▷ page 55). ▶ Read and observe messages in the multi-function display (▷ page 276). ▶ Contact an authorized Mercedes-Benz Center. <p>Do not add brake fluid! This will not solve the problem.</p>

Warning!



Driving with the brake warning lamp illuminated can result in an accident. Have your brake system checked immediately if the brake warning lamp stays on.



Do not add brake fluid before checking the brake system. Overfilling the brake fluid reservoir can result in spilling brake fluid on hot engine parts and the brake fluid catching fire. You could be seriously burned.


! *If you find that the brake fluid in the brake fluid reservoir has fallen to the minimum mark or below, have the brake system checked for brake pad thickness and leaks.*

Problem	Possible cause/consequence	Suggested solution
<p>check engine</p> <p>The yellow engine malfunction indicator lamp comes on while driving.</p>	<p>There is a malfunction in:</p> <ul style="list-style-type: none"> • The fuel management system • The ignition system • The emission control system • Systems which affect emissions <p>Such malfunctions may result in excessive emissions values and may switch the engine to Limp-Home Mode (emergency operation).</p>	<p>► Have the vehicle checked as soon as possible by an authorized Mercedes-Benz Center.</p> <p>An on-board diagnostic connector is used by the service station to link the vehicle to the shop diagnostics system. It allows the accurate identification of system malfunctions through the readout of diagnostic trouble codes. It is located in the front left area of the footwell next to the parking brake pedal.</p>

i Some states may by law require to visit a workshop as soon as the engine malfunction indicator lamp comes on. Check local requirements.

What to do if ...?

Problem	Possible cause/consequence	Suggested solution
 The yellow engine malfunction indicator lamp comes on while driving.	A loss of pressure has been detected in the fuel system. The fuel cap may not be closed properly or the fuel system may be leaky.	<ul style="list-style-type: none"> ▶ Check the fuel cap (▷ page 202). If it is not closed properly: <ul style="list-style-type: none"> ▶ Close the fuel cap. If it is closed properly: <ul style="list-style-type: none"> ▶ Have the fuel system checked by an authorized Mercedes-Benz Center.
 The red coolant warning lamp comes on when the engine is running.	There is insufficient coolant in the reservoir.	<ul style="list-style-type: none"> ▶ Add coolant to prevent engine from overheating (▷ page 208).
	If this warning lamp comes on frequently, there is a leak in the cooling system.	<ul style="list-style-type: none"> ▶ Have the cooling system checked.
	If the coolant level is correct, the electric radiator fan may be broken.	<ul style="list-style-type: none"> ▶ If the coolant temperature is below 248 °F, you can continue driving to the nearest authorized Mercedes-Benz Center. ▶ Avoid high engine loads (e.g. driving uphill) and stop-and-go driving.

Problem	Possible cause/consequence	Suggested solution
 <p>The red coolant warning lamp comes on while driving and you hear a warning sound.</p>	<p>The coolant temperature has exceeded 248 °F.</p>	<ul style="list-style-type: none"> ▶ Stop the vehicle in a safe location or as soon as it is safe to do so. ▶ Turn off the engine. ▶ Apply the parking brake (▷ page 55). ▶ Allow the engine and coolant to cool down.

Warning!





- Driving when your engine is overheated can cause some fluids which may have leaked into the engine compartment to catch fire. You could be seriously burned.
- Steam from an overheated engine can cause serious burns which can occur just by opening the hood. Stay away from the engine if you see or hear steam coming from it.





Stop the vehicle in a safe location away from other traffic. Turn off the engine, get out of the vehicle and do not stand near the vehicle until the engine has cooled down.

During severe operating conditions, e.g. stop-and-go traffic, the coolant temperature may rise close to 248 °F.


! *The engine should not be operated with the coolant temperature above 248 °F. Doing so may cause serious engine damage which is not covered by the Mercedes-Benz Limited Warranty.*

What to do if ...?

Problem	Possible cause/consequence	Suggested solution
<p> The yellow ESP® warning lamp comes on while the engine is running.</p>	<p>The ESP® has been switched off with the ESP® switch or has been switched off due to a malfunction.</p> <p>Risk of accident!</p> <p>When the ESP® is switched off it will not stabilize the vehicle if the system recognizes that the vehicle starts to skid or that a wheel is spinning.</p> <p>The cruise control is deactivated and cannot be switched on.</p>	<ul style="list-style-type: none"> ▶ Switch the ESP® back on (▷ page 84). Exceptions: (▷ page 83). ▶ If leaving the ESP® switched off, adapt your speed and driving to the prevailing road, weather and traffic conditions. <p>If the ESP® cannot be switched back on:</p> <ul style="list-style-type: none"> ▶ Continue driving with added caution. ▶ Observe additional messages in the multifunction display that may appear (▷ page 278). ▶ Have the system checked at an authorized Mercedes-Benz Center as soon as possible.
<p> The yellow ESP® warning lamp flashes while driving.</p>	<p>The ESP® or traction control has come into operation because of detected traction loss in at least one tire.</p> <p>The cruise control is deactivated.</p>	<ul style="list-style-type: none"> ▶ When driving off, apply as little throttle as possible. ▶ While driving, ease up on the accelerator. ▶ Adapt your speed and driving to the prevailing road, weather and traffic conditions. ▶ Do not deactivate the ESP®. Exceptions: (▷ page 83). <p>Failure to follow these instructions increases the risk of an accident.</p>

Problem	Possible cause/consequence	Suggested solution
 The yellow fuel tank reserve warning lamp comes on while driving.	The fuel level has gone below the reserve mark.	<ul style="list-style-type: none"> ▶ Refuel at the next gas station (▷ page 202).
 The red seat belt telltale comes on for a maximum of 6 seconds after starting the engine.	The seat belt telltale reminds you and your passengers to fasten your seat belts before driving off.	<ul style="list-style-type: none"> ▶ Fasten your seat belts. Regardless of whether the seat belts are fastened or not, the seat belt telltale always comes on and remains lit for 6 seconds after starting the engine.
 You hear a warning chime for a maximum of 6 seconds after starting the engine.	You have forgotten to fasten your seat belt.	<ul style="list-style-type: none"> ▶ Fasten your seat belt. The warning chime stops sounding.
 The red seat belt telltale comes on while the vehicle is standing still and the engine is running or during driving.	You and/or your passenger have forgotten to fasten your seat belts.	<ul style="list-style-type: none"> ▶ Fasten your seat belts. The seat belt telltale goes out.
	There are items placed on the passenger seat and therefore the system senses the passenger seat as being occupied.	<ul style="list-style-type: none"> ▶ Remove the items from the passenger seat and put them in a safe place. The seat belt telltale goes out.

What to do if ...?

Problem	Possible cause/consequence	Suggested solution
 During driving the red seat belt telltale flashes and you additionally hear an intermittent warning chime with increasing intensity.	The vehicle's speed once exceeded 15 mph and you and/or your passenger have forgotten to fasten your seat belts.	<ul style="list-style-type: none"> ▶ Fasten your seat belts. The seat belt telltale goes out and the warning chime stops sounding.
	There are items placed on the passenger seat and therefore the system senses the passenger seat as being occupied.	<ul style="list-style-type: none"> ▶ Remove the items from the passenger seat and put them in a safe place. The seat belt telltale goes out and the warning chime stops sounding.

i After 60 seconds with an unfastened seat belt, the warning chime stops sounding and the seat belt telltale illuminates continuously. The seat belt telltale will only go out if both, the driver and passenger's seat belt are fastened, or the vehicle is standing still and a door is opened.



Problem	Possible cause/consequence	Suggested solution
<p>SRS The red SRS indicator lamp comes on while driving.</p>	<p>There is a malfunction in the restraint systems. The air bags or emergency tensioning devices (ETDs) could deploy unexpectedly or fail to deploy in an accident.</p>	<p>► Drive with added caution to the nearest authorized Mercedes-Benz Center.</p>

Warning!



In the event a malfunction of the SRS is indicated as outlined above, the SRS may not be operational. For your safety, we strongly recommend that you contact an authorized Mercedes-Benz Center immediately to have the system checked, otherwise the SRS may not be deployed when needed in an accident, which could result in serious or fatal injury, or it might deploy unexpectedly and unnecessarily which could also result in an accident and/or injury to you or to others.

What to do if ...?

Problem	Possible cause/consequence	Suggested solution
 <p>Combination low tire pressure/TPMS malfunction telltale for the TPMS illuminates continuously.</p>	<p>The TPMS detects a loss of pressure in at least one tire.</p>	<ul style="list-style-type: none"> ▶ Carefully bring the vehicle to a halt, avoiding abrupt steering and braking maneuvers. Observe the traffic situation around you. ▶ Read and observe messages in the multifunction display. <p>If the tire inflation pressure in the respective tire(s) has (have) been corrected, the combination low tire pressure/TPMS malfunction telltale goes out after a few minutes of driving.</p>
 <p>Combination low tire pressure/TPMS malfunction telltale for the TPMS flashes 60 seconds and then stays illuminated.</p>	<p>There is a malfunction in the TPMS.</p>	<ul style="list-style-type: none"> ▶ Read and observe messages in the multifunction display. ▶ Have the TPMS checked by an authorized Mercedes-Benz Light Truck Center. <p>After the malfunction has been remedied the combination low tire pressure/TPMS malfunction telltale goes out after a few minutes of driving.</p>

Warning!

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the Tire and Loading Information placard on the driver's door B-Pillar or, if available, the tire inflation pressure label on the fuel filler flap. If your vehicle has tires of a different size than the size indicated on the Tire and Loading Information placard or, if available, the tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly underinflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly underinflated tire causes the tire to overheat and can lead to tire failure.



Underinflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability. Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if underinflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately 1 minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended.

TPMS malfunctions may occur for a variety of reasons, including the installation of incompatible replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.



What to do if ...?


Lamp in center console

Problem	Possible cause/consequence	Suggested solution
  The passenger front air bag off indicator lamp illuminates and remains illuminated with the weight of a typical adult or someone larger than a small individual on the passenger seat.	The system is malfunctioning.	<ul style="list-style-type: none">▶ Have the system checked as soon as possible by an authorized Mercedes-Benz Center.▶ Read and observe messages in the multifunction display and follow corrective steps (▷ page 280).

Warning!




If the   indicator lamp illuminates and remains illuminated with the weight of a typical adult or someone larger than a small individual on the passenger seat, do not have any passenger use the passenger seat until the system has been repaired.

Problem	Possible cause/consequence	Suggested solution
 <p>The passenger front air bag off indicator lamp does not illuminate and/or does not remain illuminated with the weight of a typical 12-month-old child in a standard child restraint or less on the passenger seat.</p>	<p>The system is malfunctioning.</p>	<ul style="list-style-type: none"> ▶ Make sure there is nothing between seat cushion and child seat and check installation of the child seat. ▶ Make sure that no objects applying supplemental weight onto the seat are present. ▶ If the passenger front air bag off indicator lamp remains out, have the system checked as soon as possible by an authorized Mercedes-Benz Center. Do not transport a child on the passenger seat until the system has been repaired. ▶ Read and observe messages in the multifunction display and follow corrective steps (▷ page 280).

Warning!



If the  indicator lamp does not illuminate or remains out with the weight

of a typical 12-month-old child in a standard child restraint or less on the passenger seat, do not transport a child on the passenger seat until the system has been repaired.

What to do if ...?

Vehicle status messages in the multifunction display





Warning and malfunction messages appear in the multifunction display located in the instrument cluster.





Certain warning and malfunction messages are accompanied by an audible signal.

Address these messages accordingly and follow the additional instructions given in this Operator's Manual.

Selecting the vehicle status message memory menu in the control system (▷ page 122) displays both cleared and uncleared messages.

High-priority messages appear in the multifunction display in red color.

Certain messages of high priority cannot be cleared from the multifunction display using the reset button (▷ page 106) or button , , , or  on the multifunction steering wheel.

Other messages of high priority and messages of less immediate priority can be cleared from the multifunction display using the reset button (▷ page 106) or button , , , or  on the multifunction steering wheel. They are then stored in the vehicle status message memory (▷ page 122). Remember that clearing a message will only make the message disappear. Clearing a message will not correct the condition that caused the message to appear.

Warning!



All categories of messages contain important information which should be taken note of and, where a malfunction is indicated, addressed as soon as possible at an authorized Mercedes-Benz Center.

Failure to repair condition noted may cause damage not covered by the Mercedes-Benz Limited Warranty, or result in property damage or personal injury.

Warning!

No messages will be displayed if either the instrument cluster or the multifunction display is inoperative.

As a result, you will not be able to see information about your driving conditions, such as speed or outside temperature, warning/indicator lamps, malfunction/warning messages or the failure of any systems. Driving characteristics may be impaired.

If you must continue to drive, do so with added caution. Visit an authorized Mercedes-Benz Center as soon as possible.

On the pages that follow, you will find a compilation of the most important warning and malfunction messages that may appear in the display.

High priority messages appear in red color.

For your convenience the messages are divided into two sections:

- Text messages (▷ page 278)
- Symbol messages (▷ page 285)

i *Switching on the ignition causes all instrument cluster lamps (except low beam headlamp indicator lamp, high beam headlamp indicator lamp, and turn signal indicator lamps unless activated) as well as the multifunction display to come on. Make sure the lamps and the multifunction display are in working order before starting your journey.*

What to do if ...?




Text messages

Display message	Possible cause/consequence	Possible solution
<p>ABS</p> <p>ABS, ESP Unavailable See Operator's Man.</p>	<p>The ABS and ESP® are not available due to a malfunction.</p> <p>The BAS is also deactivated.</p> <p>The brake system is still functioning normally but without but without the systems specified above.</p>	<ul style="list-style-type: none"> ▶ Continue driving with added caution. Wheels may lock during hard braking, reducing steering capability. ▶ Have the system checked at an authorized Mercedes-Benz Center as soon as possible. <p>Failure to follow these instructions increases the risk of an accident.</p>
<p>Cruise Control And SPEEDTRONIC</p> <p>Inoperative</p>	<p>The cruise control is malfunctioning.</p>	<p>Have the cruise control checked by an authorized Mercedes-Benz Center.</p>
<p>ESP</p> <p>Inoperative See Operator's Manual</p>	<p>The ESP® has switched off due to a malfunction.</p> <p>The ABS and the BAS might not be operational.</p> <p>The brake system is still functioning normally but without the systems specified above.</p>	<ul style="list-style-type: none"> ▶ Continue driving with added caution. ▶ Have the system checked at an authorized Mercedes-Benz Center as soon as possible. <p>Failure to follow these instructions increases the risk of an accident.</p>

Display message	Possible cause/consequence	Possible solution
<p>ESP Unavailable See Operator's Manual</p>	<p>The ESP® is temporarily not available. The system's self-diagnosis may not be completed yet. The ABS and the BAS might not be operational. The brake system is still functioning normally but without the systems specified above.</p> <p>The charging voltage has fallen below 10 volts. The ESP® has switched off. The BAS may be switched off, too. The battery may not be charged. The battery or the generator may be malfunctioning. The ABS might not be operational. The brake system is still functioning normally but without the systems specified above.</p>	<p>▶ Drive a short distance with added caution at a vehicle speed of above 12 mph. When the message disappears, the ESP® is available again.</p> <p>If the message does not disappear:</p> <p>▶ Continue driving with added caution. ▶ Have the system checked at an authorized Mercedes-Benz Center as soon as possible.</p> <p>Failure to follow these instructions increases the risk of an accident.</p> <p>▶ Continue driving with added caution.</p> <p>When the voltage is above this value again, the ESP® is operational again and the message in the multifunction display should disappear.</p> <p>If the message in the multifunction display does not disappear:</p> <p>▶ Have the generator (alternator) and battery checked. ▶ Have the system checked at an authorized Mercedes-Benz Center as soon as possible.</p>


What to do if ...?

Display message	Possible cause/consequence	Possible solution
Front Passenger Airbag Enabled See Operator's Manual	The passenger front air bag is activated while driving even though a child, small individual, or object below the system's weight threshold is on the passenger seat, or the passenger seat is empty. Objects on the seat or forces acting on the seat may make the system sense supplemental weight.	Stop the vehicle in a safe location as soon as possible and check the passenger seat for the following: <ul style="list-style-type: none">▶ Apply the parking brake (▷ page 55).▶ Switch off the ignition (▷ page 35).▶ Remove child and child restraint from passenger seat.▶ Make sure that no objects which applying supplemental weight onto the seat are present. The system may recognize such supplemental weight and sense that an occupant on the passenger seat is of a greater weight than actually present.▶ Keep the seat unoccupied, close the passenger door and switch on the ignition (▷ page 35). (Continued on next page)

Display message	Possible cause/ consequence	Possible solution
		<p>Monitor the  indicator lamp on the center console (▷ page 29) and the multifunction display in the instrument cluster (▷ page 26) for the following:</p> <p>With the seat unoccupied and the ignition switched on,</p> <ul style="list-style-type: none"> the  indicator lamp on the center console should illuminate and remain illuminated, indicating that the OCS (▷ page 66) has deactivated the air bag. the message Front Passenger Airbag Enabled See Operator's Manual or the message Front Passenger Airbag Disabled See Operator's Manual should not appear in the multifunction display at any time the seat is unoccupied. Wait at last 60 seconds for the system to complete the necessary check cycles and to make sure neither message appears in the multifunction display. <p>If above conditions are met, you can occupy the front passenger seat again. Depending on the passenger classification sensed by the OCS (▷ page 66), the  indicator lamp will remain illuminated or go out.</p> <p>If above conditions are not met, the system is not working properly. Have the system checked as soon as possible by an authorized Mercedes-Benz Center.</p>

Warning!






If the  indicator lamp remains

out even after performing the above corrective steps, do not have any children 12 years old and under and other small individuals

use the passenger seat until the system has been repaired.


What to do if ...?

Display message	Possible cause/consequence	Possible solution
Front Passenger Airbag Disabled See Operator's Manual	The passenger front air bag is deactivated while driving even though an adult or someone larger than a small individual is occupying the passenger seat. Forces acting on the seat may make the system sense a decrease in weight.	Stop the vehicle in a safe location as soon as possible and check the passenger seat for the following: <ul style="list-style-type: none">▶ Apply the parking brake (▷ page 55).▶ Switch off the ignition (▷ page 35).▶ Have the passenger vacate the seat and exit the vehicle.▶ Keep the seat unoccupied, close the passenger door and switch on the ignition (▷ page 35). (Continued on next page)

Display message	Possible cause/ consequence	Possible solution
		<p>Monitor the  indicator lamp on the center console (▷ page 29) and the multifunction display in the instrument cluster (▷ page 26) for the following:</p> <p>With the seat unoccupied and the ignition switched on,</p> <ul style="list-style-type: none"> the  indicator lamp on the center console should illuminate and remain illuminated, indicating that the OCS (▷ page 66) has deactivated the air bag. the message Front Passenger Airbag Enabled See Operator's Manual or the message Front Passenger Airbag Disabled See Operator's Manual should not appear in the multifunction display at any time the seat is unoccupied. Wait at last 60 seconds for the system to complete the necessary check cycles and to make sure neither message appears in the multifunction display. <p>If above conditions are met, you can occupy the passenger seat again. Depending on the passenger classification sensed by the OCS (▷ page 66), the  indicator lamp will remain illuminated or go out.</p> <p>If above conditions are not met, the system is not working properly. Have the system checked as soon as possible by an authorized Mercedes-Benz Center.</p>

Warning!



If the  indicator lamp remains

illuminated with an adult occupant on the front passenger seat even after performing the above corrective steps, do not have any

passenger use the front passenger seat until the system has been repaired.

What to do if ...?

Display message	Possible cause/consequence	Possible solution
Tire Pressure Monitor Inoperative	The TPMS is malfunctioning.	▶ Have the TPMS checked at an authorized Mercedes-Benz Center.
Tire Pressure Monitor Inoperative No Wheel Sensors	There are wheels without appropriate wheel sensors mounted (e.g. winter tires).	▶ Have the TPMS checked at an authorized Mercedes-Benz Center. ▶ Have the wheel sensors installed at an authorized Mercedes-Benz Center.
Tire Pressure Monitor Currently Unavailable	The TPMS is unable to monitor the tire pressure due to a nearby radio interference source.	▶ As soon as the causes of the malfunction have been removed, the TPMS automatically becomes active again after a few minutes of driving.

Warning!



Do not drive with a flat tire. A flat tire affects the ability to steer or brake the vehicle.

You may lose control of the vehicle. Continued driving with a flat tire will cause excessive heat build-up and possibly a fire.

Warning!




Follow recommended tire inflation pressures.



Do not underinflate tires. Underinflated tires wear excessively and/or unevenly, adversely affect handling and fuel economy, and are more likely to fail from being overheated.

Do not overinflate tires. Overinflated tires can adversely affect handling and ride comfort, wear unevenly, increase stopping distance, and result in sudden deflation (blowout) because they are more likely to become punctured or damaged by road debris, potholes etc.

Symbol messages

Display symbol	Display message	Possible cause/consequence	Possible solution
		<p>The battery is no longer charging. Possible causes:</p> <ul style="list-style-type: none"> • Broken poly-V-belt • Alternator malfunctioning 	<p>▶ Stop the vehicle in a safe location or as soon as it is safe to do so and check the poly-V-belt.</p> <p>If it is broken:</p> <p>▶ Do not continue to drive. Otherwise the engine will overheat due to an inoperative water pump which may result in damage to the engine. Notify an authorized Mercedes-Benz Center.</p> <p>If it is intact:</p> <p>▶ Drive immediately to the nearest authorized Mercedes-Benz Center.</p>
	Low Voltage Charge Battery	The battery has insufficient voltage.	▶ Start the engine (▷ page 46).
	Low Voltage Switch Off Consumers	The battery has insufficient voltage.	▶ Turn off unnecessary electrical consumers.

What to do if ...?

Display symbol	Display message	Possible cause/consequence	Possible solution
	Brake Wear	The brake pads have reached their wear limit.	▶ Have the brake pads replaced as soon as possible.
	Release parking Parking Brake	You are driving with the parking brake set.	▶ Release the parking brake (▷ page 49).
	Check Brake Fluid Level	There is insufficient brake fluid in the reservoir.	<ul style="list-style-type: none"> ▶ Risk of accident! ▶ Stop the vehicle in a safe location or as soon as it is safe to do so. ▶ Turn off the engine. ▶ Apply the parking brake (▷ page 55). ▶ Contact an authorized Mercedes-Benz Center. <p>Do not add brake fluid! This will not solve the problem.</p>

Warning!





Driving with the message **Check Brake Fluid Level** displayed can result in an accident. Have your brake system checked immediately. Do not add brake fluid before

checking the brake system. Overfilling the brake fluid reservoir can result in spilling brake fluid on hot engine parts and the brake fluid catching fire. You could be seriously burned.

! *If you find that the brake fluid in the brake fluid reservoir has fallen to the minimum mark or below, have the brake system checked for brake pad thickness and leaks.*

! *Brake pad thickness must be visually checked by a qualified technician at the intervals specified in the Maintenance Booklet.*

Display symbol	Display message	Possible cause/consequence	Possible solution
	Visit workshop	There may be a malfunction in the <ul style="list-style-type: none"> • fuel injection system • ignition system • exhaust system • fuel system 	<ul style="list-style-type: none"> ▶ Have the measuring system checked by an authorized Mercedes-Benz Center.
	Top Up Coolant See Operator's Man.	The coolant level is too low.	<ul style="list-style-type: none"> ▶ Add coolant (▷ page 208). ▶ If you have to add coolant frequently, have the cooling system checked by an authorized Mercedes-Benz Center.

Warning!






Do not spill antifreeze on hot engine parts. Antifreeze contains ethylene glycol which may burn if it comes into contact with hot engine parts. You could be seriously burned.

! Do not ignore the low engine coolant level warning. Extended driving with the message and symbol displayed may cause serious engine damage not covered by the Mercedes-Benz Limited Warranty.

Do not drive without sufficient amount of coolant in the cooling system. The engine will overheat, causing major engine damage.

What to do if ...?

Display symbol	Display message	Possible cause/consequence	Possible solution
	Coolant Stop vehicle, turn engine off.	The coolant is too hot. Among other possible causes, the poly-V-belt could be broken.	<ul style="list-style-type: none"> ▶ Stop the vehicle in a safe location or as soon as it is safe to do so. ▶ Apply the parking brake (▷ page 55). ▶ Turn off the engine. ▶ Check the poly-V-belt. <p>If it is broken:</p> <ul style="list-style-type: none"> ▶ Do not continue to drive. Otherwise the engine will overheat due to an inoperative water pump which may result in damage to the engine. Contact an authorized Mercedes-Benz Center. <p>If it is intact:</p> <ul style="list-style-type: none"> ▶ Wait for the message to disappear before restarting the engine. <p>Doing otherwise could result in serious engine damage that is not covered by the Mercedes-Benz Limited Warranty.</p> <p>(Continued on next page)</p>

Display symbol	Display message	Possible cause/consequence	Possible solution
			<ul style="list-style-type: none"> ▶ Observe the coolant temperature indicator in the instrument cluster (▷ page 26). If the temperature rises again: <ul style="list-style-type: none"> ▶ Contact an authorized Mercedes-Benz Center immediately.
		The cooling fan for the coolant is malfunctioning.	<ul style="list-style-type: none"> ▶ Observe the coolant temperature indicator in the instrument cluster (▷ page 26). ▶ Have the fan replaced as soon as possible.

Warning!





- Driving when your engine is overheated can cause some fluids which may have leaked into the engine compartment to catch fire. You could be seriously burned.
- Steam from an overheated engine can cause serious burns which can occur just by opening the hood. Stay away from the engine if you see or hear steam coming from it.


Stop the vehicle in a safe location away from other traffic. Turn off the engine, get out of the vehicle and do not stand near the vehicle until the engine has cooled down.

During severe operating conditions, e.g. stop-and-go traffic, the coolant temperature may rise close to 248°F.

! *The engine should not be operated with the coolant temperature above 248°F. Doing so may cause serious engine damage which is not covered by the Mercedes-Benz Limited Warranty.*

What to do if ...?

Display symbol	Display message	Possible cause/consequence	Possible solution
	Gas cap Is Open	A loss of pressure has been detected in the fuel system. The fuel cap may not be closed properly or the fuel system may be leaky.	<ul style="list-style-type: none"> ▶ Check the fuel cap (▷ page 202). If it is not closed properly: <ul style="list-style-type: none"> ▶ Close the fuel cap. If it is closed properly: <ul style="list-style-type: none"> ▶ Have the fuel system checked by an authorized Mercedes-Benz Center.
	Reserve Fuel	The fuel level has dropped below the reserve mark.	<ul style="list-style-type: none"> ▶ Refuel at the next gas station (▷ page 202).
	Display Malfunction Service Required	Certain electronic systems are unable to relay information to the control system. The following systems may have failed: <ul style="list-style-type: none"> • Coolant temperature display • Tachometer • Cruise control display 	<ul style="list-style-type: none"> ▶ Have the electronic systems checked by an authorized Mercedes-Benz Center.

Display symbol	Display message	Possible cause/consequence	Possible solution
	Check oil level at next refueling.	The engine oil level is too low.	<ul style="list-style-type: none"> ▶ Check the engine oil level (▷ page 207) and add oil as required (▷ page 208). ▶ If you must add engine oil frequently, have the engine checked for possible leaks.

When the message **Check oil level at next refueling** appears while the engine is running and at operating temperature, the engine oil level has dropped to approximately the minimum level.



When this occurs, the warning is at first intermittent and then remains on if the oil level drops further.


Visually check for oil leaks. If there are no obvious oil leaks, drive to the nearest service station to refill the engine oil to the required level.

For information on approved engine oils, refer to the Factory Approved Service Products pamphlet or contact an authorized Mercedes-Benz Center.


! *Engine oil level warnings should not be ignored. Extended driving with the symbol displayed could result in serious engine damage that is not covered by the Mercedes-Benz Limited Warranty.*


What to do if ...?

Display symbol	Display message	Possible cause/consequence	Possible solution
	Please get a new key.	No additional code available for the SmartKey.	▶ Contact an authorized Mercedes-Benz Center as soon as possible.
	Remove Key	You have forgotten to remove the SmartKey from the starter switch.	▶ Remove the SmartKey from the starter switch.
	Please don't forget your key	This display appears (for a maximum of 60 seconds) if the driver's door is opened with the engine shut off and no SmartKey in the starter switch. This message is only a reminder.	▶ Insert SmartKey in the starter switch.
	3rd Brake Lamp	The high mounted brake lamp is malfunctioning. This message will only appear if a critical number of LEDs have stopped working.	▶ Contact an authorized Mercedes-Benz Center as soon as possible.
	AUTO-Light Inoperative	The light sensor is malfunctioning. The headlamps switch on automatically.	▶ Contact an authorized Mercedes-Benz Center as soon as possible. To switch off the headlamps: ▶ In the control system, set lamp operation to manual mode (▷ page 128). ▶ Switch off the headlamps using the exterior lamp switch (▷ page 99).


Display symbol	Display message	Possible cause/consequence	Possible solution
	Brake Lamp Left	The left brake lamp is malfunctioning.	▶ Replace the bulb as soon as possible (▷ page 308).
	Brake Lamp Right	The right brake lamp is malfunctioning.	▶ Replace the bulb as soon as possible (▷ page 308).
	Front Left Parking Lamp	The left front parking lamp is malfunctioning.	▶ Replace the bulb as soon as possible (▷ page 308).
	Front Right Parking Lamp	The right front parking lamp is malfunctioning.	▶ Replace the bulb as soon as possible (▷ page 308).
	Front Left Turn Signal	The left front turn signal lamp is malfunctioning.	▶ Replace the bulb as soon as possible (▷ page 308).
	Front Right Turn signal	The right front turn signal lamp is malfunctioning.	▶ Replace the bulb as soon as possible (▷ page 308).
	High Beam Left	The left high beam lamp is malfunctioning.	▶ Replace the bulb as soon as possible (▷ page 308).
	High Beam Right	The right high beam lamp is malfunctioning.	▶ Replace the bulb as soon as possible (▷ page 308).

What to do if ...?

Display symbol	Display message	Possible cause/consequence	Possible solution
	License Plate Lamp Left	The left license plate lamp is malfunctioning.	► Replace the bulb as soon as possible (▷ page 308).
	License Plate Lamp Right	The right license plate lamp is malfunctioning.	► Replace the bulb as soon as possible (▷ page 308).
	Low Beam Left	The left low beam lamp is malfunctioning.	► Contact an authorized Mercedes-Benz Center as soon as possible.
	Low Beam Right	The right low beam lamp is malfunctioning.	► Contact an authorized Mercedes-Benz Center as soon as possible.
	Marker Lamp Front Left	The front left side marker lamp is malfunctioning.	► Contact an authorized Mercedes-Benz Center as soon as possible.
	Marker Lamp Front Right	The front right side marker lamp is malfunctioning.	► Contact an authorized Mercedes-Benz Center as soon as possible.

Display symbol	Display message	Possible cause/consequence	Possible solution
	Rear Foglamp Auxiliary Bulb On	The foglamp is malfunctioning. A backup bulb is being used.	▶ Replace the bulb as soon as possible (▷ page 308).
	Reverse Lamp Left	The left backup lamp is malfunctioning.	▶ Replace the bulb as soon as possible (▷ page 308).
	Reverse Lamp Right	The right backup lamp is malfunctioning.	▶ Replace the bulb as soon as possible (▷ page 308).
	Switch Off Lights	You have removed the SmartKey from the starter switch, opened the driver's door and left the headlamps on.	▶ Switch off the headlamps.
	Switch Off Lights Or Remove Key	The exterior lamp switch is in position AUTO , and the SmartKey is in the starter switch. The parking lamps remains on.	▶ Remove SmartKey from starter switch. or ▶ Turn the exterior lamp switch to position 0 .
	Tail lamp Left Auxiliary Bulb On	The left tail lamp is malfunctioning. A backup bulb is being used.	▶ Replace the bulb as soon as possible (▷ page 308).

What to do if ...?

Display symbol	Display message	Possible cause/consequence	Possible solution
	Tail Lamp Right Auxiliary Bulb On	The right tail lamp is malfunctioning. A backup bulb is being used.	► Replace the bulb as soon as possible (▷ page 308).
	Left Mirror Turn Signal	The turn signal in the left exterior rear view mirror is malfunctioning. This message will only appear if a critical number of LEDs have stopped working.	► Contact an authorized Mercedes-Benz Center as soon as possible.
	Right Mirror Turn Signal	The turn signal in the right exterior rear view mirror is malfunctioning. This message will only appear if a critical number of LEDs have stopped working.	► Contact an authorized Mercedes-Benz Center as soon as possible.
	Turn signal Rear Left Auxiliary Bulb On	The left rear turn signal lamp is malfunctioning. A backup bulb is being used.	► Replace the bulb as soon as possible (▷ page 308).
	Turn Signal Rear Right Auxiliary Bulb On	The right rear turn signal lamp is malfunctioning. A backup bulb is being used.	► Replace the bulb as soon as possible (▷ page 308).

Display symbol	Display message	Possible cause/consequence	Possible solution
SRS	Restraint System Malfunction Service Required	The system is malfunctioning.	► Drive with added caution to the nearest authorized Mercedes-Benz Center.




Warning!



In the event a malfunction of the SRS is indicated as outlined above, the SRS may not be operational.

For your safety, we strongly recommend that you visit an authorized Mercedes-Benz Center immediately to have the system checked; otherwise the SRS may not be deploy when needed in an accident, which could result in serious or fatal injury, or it might deploy unexpectedly and unnecessarily which could also result in injury.

What to do if ...?

Display symbol	Display message	Possible cause/consequence	Possible solution
	Steering oil Service Required	The steering gear oil level is too low. There is a danger of steering gear damage.	▶ Have the system checked by an authorized Mercedes-Benz Center.
	Tele Aid Inoperative	One or more main functions of the Tele Aid system are malfunctioning.	▶ Have the Tele Aid system checked by an authorized Mercedes-Benz Center.
	To Up Washer Fluid	The fluid level has dropped to about $\frac{1}{3}$ of total reservoir capacity.	▶ Add washer fluid (▷ page 210).


Warning!



If the level of steering gear oil in reservoir is too low, the steering power assistance could fail. Much greater effort will then be needed to turn the steering wheel.

Do not add steering oil without checking the steering system.

Do not drive the vehicle. Have the system checked at an authorized Mercedes-Benz Center as soon as possible.

Display symbol	Display message	Possible cause/consequence	Possible solution
	Please correct the tire pressure.	The pressure is too low in one or more tires.	▶ Check and correct tire inflation pressure as required (▷ page 229).
	Tire Pressure Caution Tire Defect	One or more tires are deflating.	▶ Carefully bring the vehicle to a halt, avoiding abrupt steering and braking maneuvers. ▶ Have the damaged wheel repaired or replaced at an authorized Mercedes-Benz Center.
	Tire Pressure Check Tires	The tire pressure in one or more tires is already below the minimum value.	▶ Carefully bring the vehicle to a halt, avoiding abrupt steering and braking maneuvers. ▶ Check and adjust tire pressure as required (▷ page 229). ▶ If necessary, have the damaged wheel repaired or replaced at an authorized Mercedes-Benz Center.

Warning!



Do not drive with a flat tire. A flat tire affects the ability to steer or brake the vehicle. You may lose control of the vehicle. Continued driving with a flat tire will cause excessive heat build-up and possibly a fire.

Warning!



Follow recommended tire inflation pressures.
Do not underinflate tires. Underinflated tires wear excessively and/or unevenly, adversely affect handling and fuel economy, and are

more likely to fail from being overheated. Do not overinflate tires. Overinflated tires can adversely affect handling and ride comfort, wear unevenly, increase stopping distance, and result in sudden deflation (blowout) because they are more likely to become punctured or damaged by road debris, potholes etc.

Where will I find...?

First aid kit

The first-aid kit is located in the trunk on the left side, secured by a hook and loop fastener.



- ▶ Loosen hook and loop fastener.
- ▶ Remove first aid kit.

i Check expiration dates and contents for completeness at least once a year and replace missing/expired items.

Vehicle tool kit

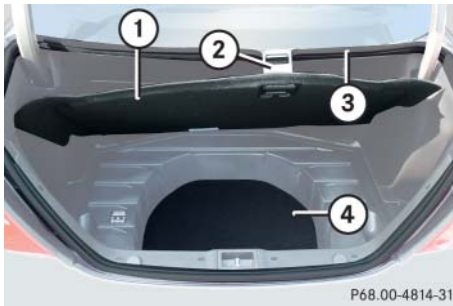
The vehicle tool kit is located in the storage compartment underneath the trunk floor.

The following is included:

- Towing eye bolt
- Wheel wrench
- Alignment bolt
- Collapsible wheel chock
- Spare fuses
- A pair of gloves
- TIREFIT kit
- Tools for adjusting the suspension



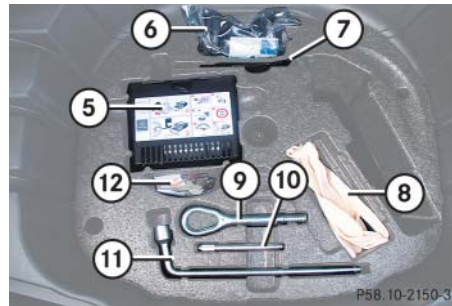
- ① Trunk floor cover, lowered
- ② Trunk floor handle
- ▶ Open the trunk.
- ▶ Push in trunk floor handle ② and pull handle in direction of arrow.
- ▶ Lift up trunk floor cover ①.



- ① Trunk floor cover, raised
- ② Trunk floor handle
- ③ Upper trunk lip
- ④ Cover

- ▶ Engage trunk floor handle ② on upper trunk lip ③.
- ▶ Remove cover ④.

You can now access the vehicle tool kit.

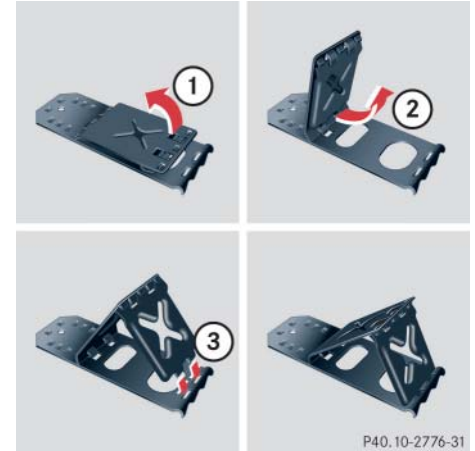


- ⑤ TIREFIT kit
- ⑥ TIREFIT container
- ⑦ Collapsible wheel chock
- ⑧ Pair of gloves
- ⑨ Towing eye bolt
- ⑩ Alignment bolt
- ⑪ Wheel wrench
- ⑫ Spare fuses

! To prevent damage, always disengage trunk floor handle from upper trunk lip and lower trunk floor before closing the trunk.

Setting up the collapsible wheel chock

The collapsible wheel chock serves to additionally secure the vehicle.



- ① Tilt the plate upward
- ② Fold the lower plate outward
- ③ Insert the plate

Where will I find...?

- ▶ Tilt both plates upward ①.
- ▶ Fold the lower plate outward ②.
- ▶ Guide the tabs of the lower plate all the way into the openings of the base plate ③.

Unlocking/locking in an emergency

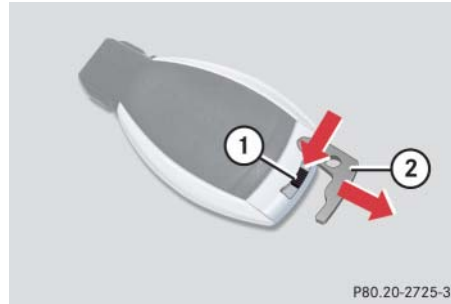
▼ **Unlocking/locking in an emergency**

Unlocking the vehicle

If you cannot unlock the vehicle with the SmartKey, open the driver's door and the trunk using the mechanical key.

i *Unlocking the driver's door and/or the trunk with the mechanical key will trigger the anti-theft alarm system.*

To cancel the alarm, insert the SmartKey in the starter switch.



① Mechanical key locking tab

② Mechanical key

- ▶ Move locking tab ① in direction of arrow.
- ▶ Slide mechanical key ② out of the housing.

Unlocking the driver's door



1 Unlocking

② Mechanical key

- ▶ Insert mechanical key ② into the driver's door lock until it stops.
- ▶ Turn mechanical key ② counterclockwise to position **1** until the locking knob moves up.

The driver's door is unlocked.

- ▶ Pull the door handle to open the driver's door.

Unlocking/locking in an emergency

Unlocking the trunk

A minimum height clearance of 5.58 ft is required to open the trunk lid.

The trunk lid lock is located next to the handle above the rear license plate recess.



1 Unlocking

② Handle

③ Mechanical key

- ▶ Insert mechanical key ③ into the trunk lid lock until it stops.
 - ▶ Turn mechanical key ③ counterclockwise to position 1 and hold it in this position.
 - ▶ Pull trunk lid handle ② and lift the trunk lid.
- !** *The trunk lid swings open upwards automatically. Always make sure there is sufficient overhead clearance.*
- ▶ Turn mechanical key ③ back and remove it from the trunk lid lock.

Locking the vehicle

If you cannot lock the vehicle with the SmartKey, do the following:

- ▶ Open the driver's door.
- ▶ Close the passenger door and the trunk lid.
- ▶ Press the central locking switch in the upper part of the center console (▷ page 97).
- ▶ Check to see whether the locking knob on the passenger door has moved down.
- ▶ If necessary, push it down manually. The passenger door is locked.
- ▶ Exit the vehicle and close the driver's door.
- ▶ Remove the mechanical key out of the SmartKey (▷ page 303).
- ▶ Check whether the trunk is locked.

Unlocking/locking in an emergency

- ▶ If necessary, lock the trunk with the mechanical key (▷ page 95).

Except for the driver's door, the vehicle should now be locked.



- 1 Locking
- ② Mechanical key

- ▶ Insert mechanical key ② into the driver's door lock until it stops.
- ▶ Turn mechanical key ② clockwise to position 1.

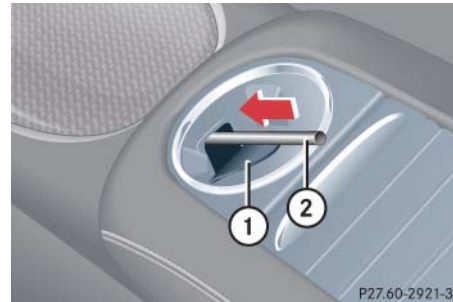
The driver's door is locked.

i This procedure does not arm the anti-theft alarm system, nor does it lock the fuel filler flap.

- ▶ Turn mechanical key ③ back and remove it from the trunk lid lock.

Manually unlocking the gear selector lever

In case of power failure, the gear selector lever can be manually unlocked, e.g. to tow the vehicle.



- ① Tab
- ② Tool (e.g. flat blade screwdriver)

- ▶ Pull tab ① of the covering back in direction of the center armrest compartment.
- ▶ Insert a tool ② (e.g. flat blade screwdriver) into the opening.
- ▶ Perform the following two steps simultaneously:
 - ▶ Push tool ② down- and forward in the direction of the arrow.
 - ▶ Move gear selector lever from position **P**.

i The gear selector lever is locked again when moving it to position **P**.

- ▶ Remove tool ② from the opening.
- ▶ Push tab ① of the covering back.

Replacing SmartKey batteries

If the batteries in the SmartKey are discharged, the vehicle can no longer be locked or unlocked. It is recommended to have the batteries replaced at an authorized Mercedes-Benz Center.

Warning!



Batteries contain poisonous and corrosive substances. Therefore keep the batteries out of reach of children.

If a battery is swallowed, seek medical help immediately.

Warning!



SmartKey batteries contain Perchlorate material, which may require special handling and regard for the environment. Check with your local government's disposal guidelines. California residents, see <http://www.dtsc.ca.gov/HazardousWaste/Perchlorate/index.cfm>.

Batteries contain materials that can harm the environment if disposed of improperly. Recycling of batteries is the preferred method of disposal. Many states require sellers of batteries to accept old batteries for recycling.

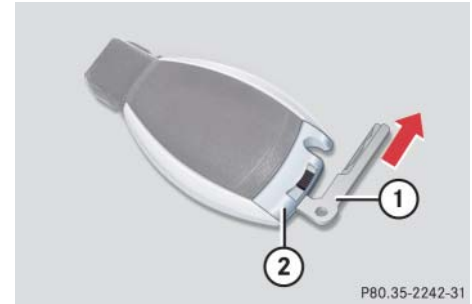
i When inserting the batteries, make sure they are clean and free of lint.

i When replacing batteries, always replace both batteries.

The required replacement batteries are available at any Mercedes-Benz Center.

Replacement batteries: Lithium, type CR 2025 or equivalent.

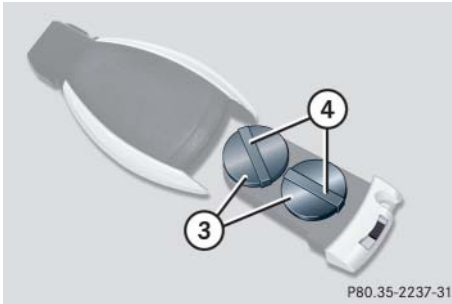
- ▶ Remove the mechanical key from the SmartKey (> page 303).



① Mechanical key

② Battery compartment

- ▶ Insert mechanical key ① into opening.
- ▶ Press mechanical key ① in direction of arrow.
Battery compartment ② is unlatched.
- ▶ Pull battery compartment ② out of the housing.



- ③ Batteries
- ④ Contact spring

- ▶ Pull out batteries ③.
- ▶ Using a lint-free cloth, insert new batteries ③ under contact springs ④ with the positive terminal (+) side facing up.
- ▶ Return battery compartment ② (▷ page 306) into the housing until it locks into place.
- ▶ Slide mechanical key ① back into the SmartKey.
- ▶ Check the operation of the SmartKey.

Replacing bulbs

Safe vehicle operation depends on proper exterior lighting and signaling. It is therefore essential that all bulbs and lamp assemblies are in good working order at all times.

Correct headlamp adjustment is extremely important. Have headlamps checked and readjusted at regular intervals and when a bulb has been replaced. Contact an authorized Mercedes-Benz Center for headlamp adjustment.

Warning!



Bulbs and bulb sockets can be very hot. Allow the lamp to cool down before changing a bulb.

Keep bulbs out of reach of children.

Halogen lamps contain pressurized gas. A bulb can explode if you:

- touch or move it when hot
- drop the bulb
- scratch the bulb

Wear eye and hand protection.

Because of high voltage in Xenon lamps, it is dangerous to replace the bulb or repair the lamp and its components. We recommend that you have such work done by a qualified technician.

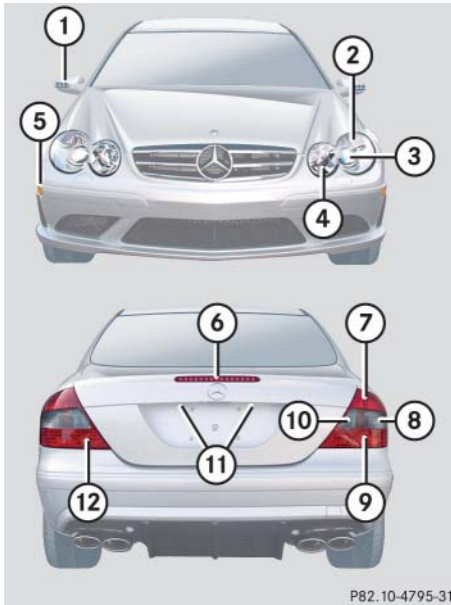
i If the headlamps are fogged up on the inside as a result of high humidity, driving the vehicle a distance with the lights on should clear up the fogging.

i Backup bulbs will be brought into use when the following lamps malfunction:

- Rear fog lamp (driver's side only)
- Turn signal lamps
- Tail lamps

Read and observe the messages in the multi-function display (▷ page 292).

Bulbs



P82.10-4795-31

Front lamps

	Lamp	Type
①	Additional turn signal lamp	LED
②	Turn signal lamp	1156 NA
③	Bi-Xenon headlamp: Low and high beam ¹	D2S-35 W
④	Bi-Xenon headlamp: High beam flasher	H7 (55 W)
	Parking and standing lamp	W 5 W
⑤	Side marker lamp	W 5 W

¹ Bi-Xenon headlamps: Do not replace the Bi-Xenon low and high beam bulbs yourself. Contact an authorized Mercedes-Benz Center.

Rear lamps

	Lamp	Type
⑥	High mounted brake lamp	LED
⑦	Brake lamp	P 21 W
⑧	Turn signal lamp	PY 21 W
⑨	Tail, parking and standing lamp, side marker	P 21/5 W
⑩	Backup lamp	P 21 W
⑪	License plate lamps	C 5 W
⑫	Rear fog lamp (driver's side only) and tail lamp	P 21/4 W

Replacing bulbs

Notes on bulb replacement

- Only use 12-volt bulbs of the same type and with the specified watt rating.
- Switch the lights off before changing a bulb to prevent short circuits.
- Always use a clean lint-free cloth when handling bulbs.
- Your hands should be dry and free of oil and grease.
- If the newly installed bulb does not come on, contact an authorized Mercedes-Benz Center.

Have the LEDs and bulbs for the following lamps replaced by an authorized Mercedes-Benz Center:

- the additional turn signal lamps in the exterior rear view mirrors
- the high mounted brake lamp
- the Bi-Xenon low beam lamps
- the Bi-Xenon high beam flasher spotlight
- the front side marker lamps

! *Do not replace the LEDs yourself. You could otherwise damage the LEDs or parts of the vehicle. Only have the LEDs replaced by an authorized Mercedes-Benz Center.*

Replacing bulbs for front lamps

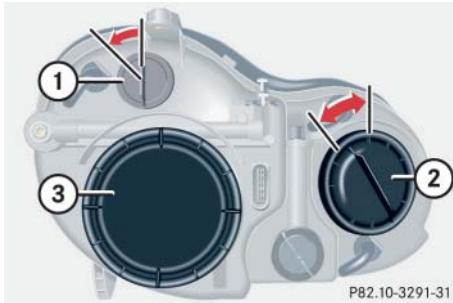
Before you start to replace a bulb for a front lamp, do the following first:

- ▶ Turn the exterior lamp switch to position **0** (▷ page 99).
- ▶ Open the hood (▷ page 205).

Warning!

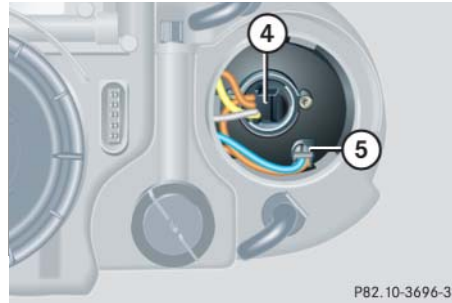


Do not remove the cover ③ for the Bi-Xenon headlamp. Because of high voltage in Xenon lamps, it is dangerous to replace the bulb or repair the lamp and its components. We recommend that you have such work done by a qualified technician.



P82.10-3291-31

- ① Bulb socket for turn signal lamp
- ② Housing cover for high beam flasher, parking and standing lamp
- ③ Housing cover for Bi-Xenon headlamp



P82.10-3696-31

- ④ Bulb holder for high beam flasher bulb
- ⑤ Bulb socket for parking and standing lamp bulb

High beam bulb for high beam flasher

- ▶ Turn housing cover ② counterclockwise and remove it.
- ▶ Turn bulb holder ④ with the bulb counterclockwise and remove it.
- ▶ Pull the bulb at its socket out of bulb holder ④.
- ▶ Insert the new bulb so that its socket locates in the recess of bulb holder ④ and is level to it.
- ▶ Reinsert bulb holder ④ with the bulb in the lamp and turn clockwise.
- ▶ Align housing cover ② and turn it clockwise.

Replacing bulbs

Turn signal lamp bulb

- ▶ Turn bulb socket ① counterclockwise and remove it.
- ▶ Press gently onto the bulb and turn counterclockwise out of bulb socket ①.
- ▶ Press the new bulb gently into bulb socket ① and turn clockwise until it engages.
- ▶ Place bulb socket ① back into the lamp and turn it clockwise.

Parking and standing lamp bulb

- ▶ Turn housing cover ② counterclockwise and remove it.
- ▶ Pull out bulb socket ⑤ with the bulb.
- ▶ Pull the bulb out of the bulb socket ⑤.
- ▶ Press the new bulb into bulb socket ⑤.
- ▶ Press bulb socket ⑤ back into the lamp.
- ▶ Align housing cover ② and turn it clockwise.

Additional turn signal lamps bulbs

The additional turn signal lamps in the exterior rear view mirrors have LEDs.

If a malfunction occurs or LEDs fail to function, the entire turn signal unit must be replaced. Have the additional turn signal unit replaced by an authorized Mercedes-Benz Center.

Front side marker lamp bulbs

Since replacing the side marker lamp bulbs is a technically highly demanding process, we recommend you have the side marker lamp bulbs replaced by an authorized Mercedes-Benz Center.

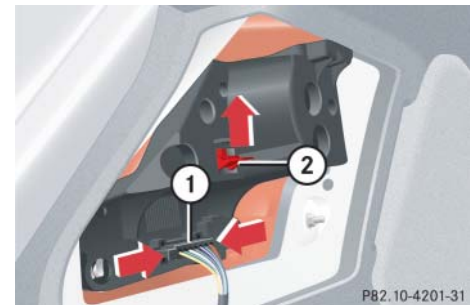
Replacing bulbs for rear lamps

Before you start to replace a bulb for a rear lamp, do the following first:

- ▶ Turn the exterior lamp switch to position **0** (> page 99).

Tail lamp unit

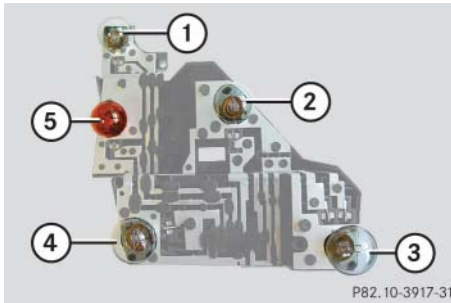
- ▶ Open trunk lid.
- ▶ Swing the trim panel covering the corresponding rear lights to the side.



- ① Connector
- ② Tab

- ▶ Disconnect electrical connector ①.

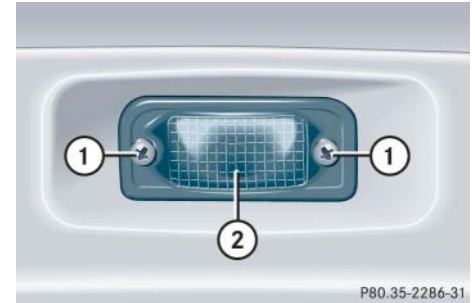
- ▶ Pull tab ② in direction of the arrow.
- ▶ Remove the bulb carrier.



- ① Brake lamp
- ② Backup lamp
- ③ Rear fog lamp (driver's side)/tail lamp
- ④ Tail lamp, parking and standing lamp, side marker lamp
- ⑤ Turn signal lamp

- ▶ Press gently onto the respective bulb and turn counterclockwise out of its bulb socket.
- ▶ Press the new bulb gently into its bulb socket and turn clockwise until it engages.
- ▶ Reinstall the bulb carrier.
Let tab ② (▷ page 312) engage.
- ▶ Connect the electrical connector ① (▷ page 312) until it engage.
- ▶ Reinstall trim panel.

License plate lamp



- ① Screws
- ② License plate lamp cover
- ▶ Loosen both screws ①.
- ▶ Remove license plate lamp cover ②.
- ▶ Replace the tubular lamp.
- ▶ Reinstall license plate lamp cover ②.
- ▶ Retighten screws ①.

Replacing wiper blades

Warning!



For safety reasons, switch off wipers and remove SmartKey from starter switch before replacing a wiper blade. Otherwise the wiper motor could suddenly turn on and cause injury.

Warning!



Wiper blades are components that are subject to wear and tear. Replace the wiper blades twice a year, preferably in the spring and fall. Otherwise the windows will not be properly wiped. As a result, you may not be able to observe surrounding traffic conditions and could cause an accident.

! Never open the hood when a wiper arm is folded forward.

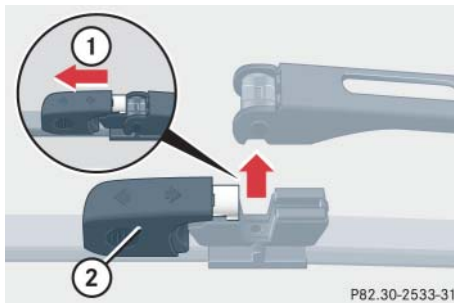
For your convenience, we recommend that you have this work carried out by an authorized Mercedes-Benz Center.

Removing and installing wiper blades

- ▶ Remove the SmartKey from the starter switch.

Removing wiper blades

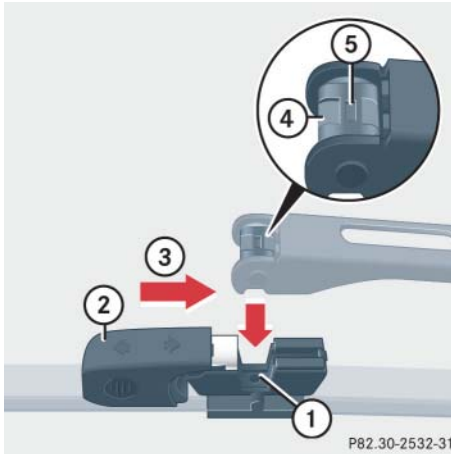
! Do not pull on the wiper blade inserts. They could tear.



- ① Unlocking
- ② Tab

- ▶ Pull tab ② in direction of arrow ①. The wiper blade is unlocked.
- ▶ Lift up the wiper arm as far as you need to remove the wiper blade.
- !** Hold on to the wiper arm. If released, the force of the impact from the tensioning spring could crack the windshield.
- ▶ Carefully fold the wiper arm back to rest on the windshield.

Installing wiper blades



P82.30-2532-31

- ① Recess
- ② Tab
- ③ Locking
- ④ Taper piece
- ⑤ Square recess

- ▶ Lift up the wiper arm as far as you need to position the wiper blade under the wiper arm and hold it.

! Hold on to the wiper arm. If released, the force of the impact from the tensioning spring could crack the windshield.

- ▶ Carefully fold the wiper arm back and make sure that taper piece ④ slides into recess ① at the wiper blade.

! Make certain that square recess ⑤ on taper piece ④ is on the top, otherwise taper piece ④ cannot slide into recess ① at the wiper blade. If square recess ⑤ is not at the top turn taper piece ④ around to bring square recess ⑤ to the top.

- ▶ Slide tab ② back in direction of arrow ③ until it audibly engages.

The wiper blade is locked.

! Make certain that the wiper blades are properly installed. Improperly installed wiper blades may cause windshield damage.

Flat tire

The vehicle is equipped with a TIREFIT kit.

! A wheel change should only be carried out at an authorized Mercedes-Benz Center. Otherwise there is a danger of damaging the vehicle by jacking it up incorrectly.

Preparing the vehicle

- ▶ Park the vehicle in a safe distance from moving traffic on a hard, flat surface when possible.
- ▶ Turn on the hazard warning flasher (▷ page 103).
- ▶ Turn the steering wheel so that the front wheels are in a straight ahead position.
- ▶ Set the parking brake (▷ page 55).
- ▶ Move the gear selector lever to park position **P**.
- ▶ Turn off the engine (▷ page 56).
- ▶ Remove the SmartKey from the starter switch.

i Open door only when conditions are safe to do so.

- ▶ Have any passenger exit the vehicle at a safe distance from the roadway.

Sealing tires with TIREFIT

Small tire punctures, particularly those in the tread, can be sealed with TIREFIT. TIREFIT can be used in ambient temperatures down to -4°F .

Warning!

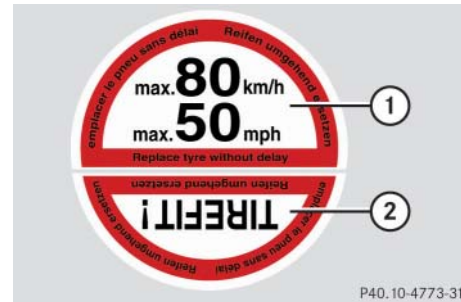


TIREFIT is a limited repair device. TIREFIT cannot be used for cuts or punctures larger than approximately 0.16 in (4 mm) and tire damage caused by driving with extremely low tire inflation pressure, or on a flat tire, or a damaged wheel.

Do not drive the vehicle under such circumstances.

Contact the nearest Mercedes-Benz Center for assistance or call Roadside Assistance.

- ▶ Foreign objects (e.g. screws or nails) should not be removed from the tire.
- ▶ Take TIREFIT, the sticker, and the electric air pump out of the trunk (▷ page 300).



Two-part sticker

- ① Sticker for instrument cluster
 - ② Sticker for wheel
- ▶ Attach sticker part ① where it will be easily seen by the driver on the instrument cluster.
 - ▶ Attach sticker part ② to the damaged tire (close to the tire valve).

Warning!



Take care not to allow the contents of TIREFIT to come in contact with hair, eyes or clothing. TIREFIT is harmful if inhaled, swallowed or absorbed through the skin – causes skin, eye and respiratory irritation.

Any contact with eyes or skin should be flushed immediately with plenty of water.

If clothing comes in contact with TIREFIT, change clothing as soon as possible.

In case of allergic reaction or rash, consult a physician immediately.

Warning!



Keep TIREFIT out of reach of children.
If swallowed, rinse mouth immediately with plenty of water and drink plenty of water.

Do not induce vomiting!

Consult a physician immediately.

Keep away from open flame or heat source.

i If sealant has leaked out, let it dry. You can then peel it off.

Warning!

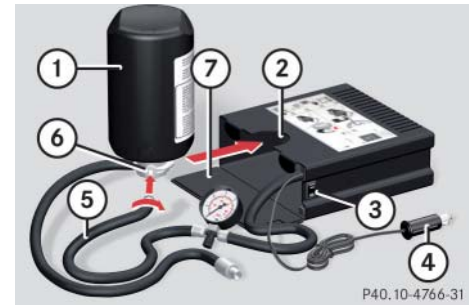


Observe safety instructions on air pump label.

i Your vehicle may be equipped with either of two versions of the electric air pump:

- *Version 1*
The air hose with pressure gauge and the electrical plug are located behind a flap.
- *Version 2*
The pressure gauge is located in the pump housing.

The following description applies to both versions. Differences in usage are expressly declared.

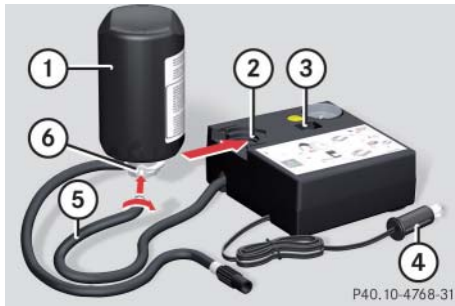


P40.10-4766-31

Version 1

- ① TIREFIT container
- ② Notch
- ③ Electric air pump switch
- ④ Electrical plug
- ⑤ Air hose
- ⑥ Flange
- ⑦ Flap

Flat tire



P40.10-4768-31

Version 2

- ① TIREFIT container
 - ② Notch
 - ③ Electric air pump switch
 - ④ Electrical plug
 - ⑤ Air hose
 - ⑥ Flange
- ▶ Open flap ⑦ on the electric air pump **(version 1 only)**.
 - ▶ Pull plug ④ and air hose ⑤ out of the pump housing.

- ▶ Screw the air pump's air hose ⑤ onto flange ⑥ of TIREFIT container ①.
- ▶ Stick TIREFIT container ① upside down into notch ② of the electric air pump.



P40.10-4947-31

- ⑧ Filler hose
 - ⑨ Tire valve
- ▶ Unscrew the valve cap of the damaged tire from tire valve ⑨.



P40.10-4769-31

Version 1

- ⑩ Vent screw
 - ⑪ Pressure gauge
- ▶ Close vent screw ⑩ on pressure gauge ⑪ **(version 1 only)**.
 - ▶ Screw filler hose ⑧ onto tire valve ⑨ (▷ page 318).
 - ▶ Insert electrical plug ④ (▷ page 317) into the cigarette lighter (▷ page 174).
 - ▶ Turn the SmartKey in the starter switch to position 1 (▷ page 35).

- ▶ Press **I** on electric air pump switch ③ (▷ page 317).

The electric air pump is switched on and inflates the tire.

i First, the sealing is pumped into the tire. The pressure may briefly rise to up to 73 psi (5 bar). This is normal and not an indication of a malfunction. Do not switch off the electric air pump.

- ▶ Let the electric air pump inflate the tire for approximately 5 minutes.

The pressure gauge must display at least 26 psi (1.8 bar) The air hose can become hot during inflation.

Please exercise appropriate caution.

! Do not operate the electric air pump longer than 6 minutes without interruption. Otherwise it may overheat.

You may operate the air pump again after it has cooled off.

- ▶ If the tire inflation pressure of at least 26 psi (1.8 bar) is not attained, turn off the electric air pump by pressing **0** on electric air pump switch ③ (▷ page 317).
- ▶ Detach filler hose ⑧ from tire valve ⑨ (▷ page 318).
- ▶ Drive vehicle back and forth very slowly approximately 30 ft.
This serves to better distribute the TIREFIT sealant material inside the tire.
- ▶ Unscrew the air pump's air hose ⑤ from flange ⑥ of TIREFIT container ① (▷ page 317).
- ▶ Screw air hose ⑤ onto tire valve ⑨.
- ▶ Inflate the tire again.

Warning!



If a tire inflation pressure of 26 psi (1.8 bar) is not attained, the tire is too severely damaged for TIREFIT to provide a reliable tire repair.

In this case, TIREFIT cannot properly seal the tire.

Do not drive the vehicle.

Contact the nearest Mercedes-Benz Center or call Roadside Assistance.

- ▶ After attaining a tire inflation pressure of 26 psi (1.8 bar), press **0** on electric air pump switch ③ (▷ page 317).
The electric air pump is switched off.
- ▶ Turn the SmartKey in the starter switch to position **0** (▷ page 35).



Flat tire

- ▷▷ Detach the electric air pump.

The air hose may still be hot. Please exercise appropriate caution.

- ▶ Place the electrical air pump back in the trunk.
- ▶ Close the trunk lid.
- ▶ Drive off immediately.

The TIREFIT sealant will distribute itself evenly inside the tire.

Warning!



Do not exceed vehicle speed of 50 mph. A TIREFIT repair is not designed to operate at higher speeds.

The sticker must be attached on the instrument cluster where it will be easily seen by the driver.

Vehicle handling characteristics of a TIREFIT repaired tire may change. Adapt your driving accordingly.

- ▶ After driving the vehicle for an initial 10 minutes, check the tire inflation pressure using pressure gauge (11) on the air pump.

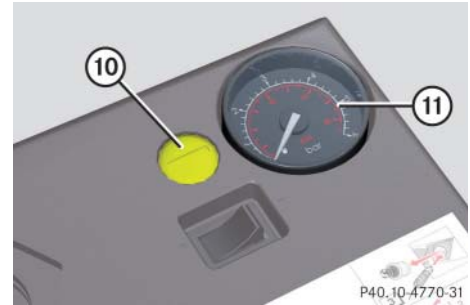
Warning!



If tire inflation pressure has fallen below 20 psi (1.3 bar) do not continue to drive the vehicle.

Park your vehicle safely away from the roadway and contact the nearest authorized Mercedes-Benz Center or Roadside Assistance.

Have the damaged tire replaced.



Version 2

⑩ Deflate button

⑪ Pressure gauge

- ▶ If the tire inflation pressure is at least 20 psi (1.3 bar), inflate or deflate the tire to correct tire inflation pressure (see placard on the driver's door B-pillar):
 - ▶ To increase tire inflation pressure: Switch on the electric air pump.
 - ▶ To decrease tire inflation pressure (**version 1**): Open vent screw (10) on pressure gauge (11)
(▷ page 318).

- ▶ To decrease tire inflation pressure (**version 2**): Press yellow deflate button ⑩ located in air pump housing next to pressure gauge ⑪.
- ▶ Drive to the nearest qualified workshop, e.g. an authorized Mercedes-Benz Center, to have the damaged tire replaced.

Warning!

Follow recommended inflation pressures.

Do not overinflate tires. Overinflating tires can result in sudden deflation (blowout) because they are more likely to become punctured or damaged by road debris, potholes, etc.

Do not underinflate tires. Underinflated tires wear unevenly, adversely affect handling and fuel economy, and are more likely to fail from being overheated.


Do not overload the tires by exceeding the specified vehicle capacity weight (as indicated by the label on the pillar in the driver's door opening). Overloading the tires can overheat them, possibly causing a blowout.

Recommended duration of use:
A maximum of 300 miles at 50 mph or below with the recommended tire inflation pressure.

- ▶ Contact an authorized Mercedes-Benz Center as soon as possible to obtain a new TIREFIT kit.
- ▶ Bring used TIREFIT materials to an authorized Mercedes-Benz Center for proper disposal.
- ▶ Replace your TIREFIT container every 4 years. Replacement containers are available at any authorized Mercedes-Benz Center.

Battery

The vehicle battery is located in the rear storage compartment under a cover (▷ page 325).

 Mercedes-Benz recommends to have the battery replaced at an authorized Mercedes-Benz Center.

The battery should always be sufficiently charged in order to achieve its rated service life.

If you use your vehicle mostly for short-distance trips, you will need to have the battery charge checked more frequently.

When replacing the battery, always use batteries approved by Mercedes-Benz.

If you do not intend to operate your vehicle for an extended period of time, consult an authorized Mercedes-Benz Center about steps you need to observe.

Warning!



Observe all safety instructions and precautions when handling automotive batteries.



Risk of explosion.



Fire, open flames and smoking are prohibited when handling batteries. Avoid creating sparks.



Battery acid is caustic. Do not allow it to come into contact with skin, eyes or clothing.

Wear suitable protective clothing, especially gloves, apron and faceguard.



Wear eye protection.

Rinse any acid spills immediately with clear water. Contact a physician if necessary.



Keep children away.



Follow the instructions in this Operator's Manual.

Batteries contain materials that can harm the environment if disposed of improperly. Recycling of batteries is the preferred method of disposal. Many states require sellers of batteries to accept old batteries for recycling.

! *The battery is a valve-regulated lead acid (VRLA) battery, also referred to as “fleece” battery. Such batteries do not require topping-up of the electrolyte level. VRLA batteries therefore do not have cell caps and the battery cover is non-removable. Do not attempt to open the battery as otherwise the battery will be damaged.*

Even though VRLA batteries do not require topping-up of the electrolyte level and cannot be opened to check the electrolyte level, the battery condition must be checked periodically by performing a battery conductance test. Refer to Maintenance Booklet for battery condition testing intervals.

As with any other battery, the battery may discharge if the vehicle is not operated for an extended period of time. You can connect a battery maintenance charge unit tested and approved for use on your vehicle model or disconnect the battery to prevent battery discharge. Contact an authorized Mercedes-Benz Center for more information.

! *The factory-equipped VRLA battery is leak-proofed. Only use a battery as replacement that has the same security features and is of identical size, voltage, and capacity as the factory-equipped battery.*

The battery, the battery ventilation hose and the lateral plug must always be securely installed when the vehicle is in operation.

Warning!



Jump starting must only be done using the jump-start contacts located in the engine compartment (▷ page 328).

Warning!



Failure to follow these instructions can result in severe injury or death.

Observe all safety instructions and precautions when handling automotive batteries (▷ page 322).

Never lean over batteries while connecting, you might get injured.

Battery fluid contains sulfuric acid. Do not allow this fluid to come in contact with eyes, skin or clothing. In case it does, immediately flush affected area with water and seek medical help if necessary.

A battery will also produce hydrogen gas, which is flammable and explosive. Keep flames or sparks away from battery, avoid improper connection of jumper cables, smoking, etc.

Battery

! Never loosen or detach battery terminal clamps while the engine is running or the SmartKey is in the starter switch. Otherwise the alternator and other electronic components could be severely damaged.

Have the battery checked regularly by an authorized Mercedes-Benz Center.

Refer to Maintenance Booklet for maintenance intervals or contact an authorized Mercedes-Benz Center for further information.

Warning!



Do not place metal objects on the battery as this could result in a short circuit.

Use leak-proof battery only to avoid the risk of acid burns in the event of an accident.

Charge maintenance interface

The vehicle is equipped with a charge maintenance interface. It allows you to maintain the battery charge when the vehicle is parked up for three weeks or more.

i You can buy an appropriate battery charger at any Mercedes-Benz Center: B6 754 2029 (115 V).

The charge socket is located in the trunk under the left side rear lamp cover.

! The interface must never be used to recharge a discharged battery. If the vehicle battery has been heavily discharged you must remove it for recharging (▷ page 325).



- ① Charge socket
- ② Rear lamp cover

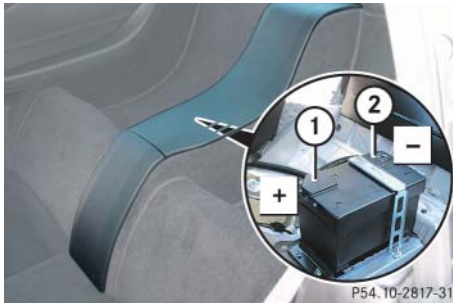
- ▶ Remove left side rear lamp cover ②.
- ▶ Insert battery charger connector into charge socket ①.

For more information, see separate battery charger operating instructions.

Battery location

The vehicle battery is located in the rear of the vehicle under a cover.

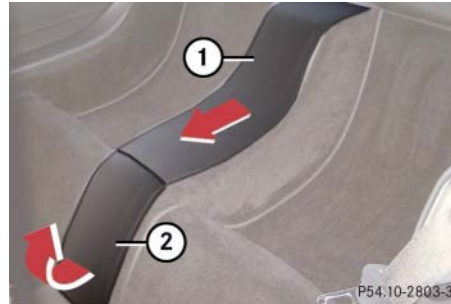
If you want to remove the battery, e.g. for recharging it, you must remove the cover and a rear storage shell.



- ① Positive terminal
- ② Negative terminal

- ▶ Apply the parking brake (▷ page 55).
- ▶ Turn off all electrical consumers.
- ▶ Turn off the engine (▷ page 56).
- ▶ Remove the SmartKey from the starter switch.

Removing the cover



- ① Upper cover
- ② Lower cover

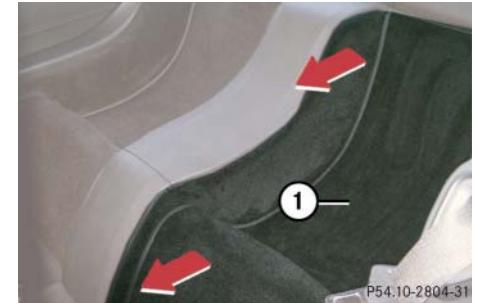
To remove the lower cover:

- ▶ Grasp the lower part of lower cover ② and pull briefly towards the front of the vehicle, until the cover disengages.
- ▶ Tilt lower cover ② in direction of arrow and remove it.

To remove the upper cover:

- ▶ Loosen the two retaining bolts of upper cover ①.
- ▶ Remove cover ① in direction of arrow.

Removing the storage shell



- ① Storage shell

- ▶ Grasp bottom of storage shell ① and pull it briefly towards the front of the vehicle, until it disengages.

Battery

Disconnecting the battery

Warning!



With a disconnected battery

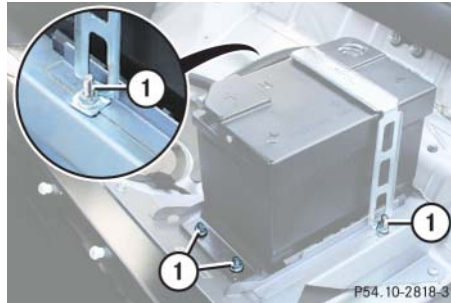
- you will no longer be able to turn the SmartKey in the starter switch
- the gear selector lever will remain locked in position **P**

! Always connect the battery in the order described below. Otherwise the vehicle's electronics can be damaged.

- ▶ Remove the cover and the storage shell in the rear (▷ page 325).
- ▶ Remove the cover of the battery's negative terminal.
- ▶ Loosen negative terminal ② (▷ page 325) of the battery.

- ▶ Remove the cover of the battery's positive terminal.
- ▶ Loosen positive terminal ① (▷ page 325) of the battery.
- ▶ Remove the battery ventilation hose.

Removing the battery



- ▶ Unfasten and remove attachment nuts ①.
- ▶ Remove mountings.
- ▶ Remove the battery.

Charging and reinstalling the battery

Warning!



Never charge a battery while still installed in the vehicle unless the accessory battery charge unit approved by Mercedes-Benz is being used. Gases may escape during charging and cause explosions that may result in paint damage, corrosion or personal injury.

An accessory battery charge unit specially adapted for Mercedes-Benz vehicles and tested and approved by Mercedes-Benz is available, permitting the charging of the battery in its installed position. Contact an authorized Mercedes-Benz Center for information and availability. Charge battery in accordance with the separate instructions for the accessory battery charger.

! Only use battery chargers with a charge voltage is limited to a maximum of 14,8 V.

- ▶ Charge battery in accordance with the instructions of the battery charger manufacturer.
- ▶ Reinstall the charged battery. Follow the previously described steps in reverse order.

! *The battery, its filler caps and the ventilation hose must always be securely installed when the vehicle is in operation.*

Reconnecting the battery

! *Always connect the battery in the order described below. Otherwise the vehicle's electronics can be damaged.*

- ▶ Turn off all electrical consumers.
- ▶ Remove SmartKey from starter switch.
- !** *Never invert the terminal connections!*
- ▶ Connect battery positive lead ① (▷ page 325) to the positive terminal and fasten its cover.
- ▶ Connect battery negative lead ② (▷ page 325) to the negative terminal.
- ▶ Make sure the battery ventilation hose and the lateral plug are properly installed.
- ▶ Reinstall the cover and the storage shell in the rear (▷ page 325).

i *The following procedure must be carried out following any interruption of battery power (e.g. due to reconnecting):*

- Synchronize the door windows (▷ page 164).

The time and date are set automatically by the COMAND system.

Batteries contain materials that can harm the environment if disposed of improperly. Large 12-volt storage batteries contain lead. Recycling of batteries is the preferred method of disposal. Many states require sellers of batteries to accept old batteries for recycling.

Jump starting

Warning!



Failure to follow these directions will cause damage to the electronic components, and can lead to a battery explosion and severe injury or death.

Never lean over batteries while connecting or jump starting, you might get injured.

Battery fluid contains sulfuric acid. Do not allow this fluid to come in contact with eyes, skin or clothing. In case it does, immediately flush affected area with water, and seek medical help if necessary.

A battery will also produce hydrogen gas, which is flammable and very explosive. Keep flames or sparks away from battery, avoid improper connection of jumper cables, smoking, etc.

Attempting to jump start a frozen battery can result in it exploding, causing personal injury.

Read all instructions before proceeding.

! Do not tow-start the vehicle.

! Avoid repeated and lengthy starting attempts.

Do not attempt to start the engine using a battery quick charge unit.

If the engine does not run after several unsuccessful starting attempts, have it checked at the nearest authorized Mercedes-Benz Center.

Excessive unburned fuel generated by repeated failed starting attempts may damage the catalytic converter and may present a fire risk.

Make sure the jumper cables do not have loose or missing insulation.

Make sure the cable clamps do not touch any other metal part while the other end is still attached to a battery.

If the battery is discharged, the engine can be started with jumper cables and the battery of another vehicle. Observe the following:

- Jump starting should only be performed when the engine and catalytic converter are cold.
- Do not start the engine if the battery is frozen. Let the battery thaw out first.
- Only jump start from batteries with the same voltage rating (12 V). Jump starting with a higher voltage battery could damage the vehicle's electrical system, which will not be covered by the Mercedes-Benz Limited Warranty.
- Only use jumper cables with sufficient cross-section and insulated terminal clamps.
- Always make sure the jumper cables are not on or near pulleys, fans, or other parts that move when an engine is started or running.

Warning!

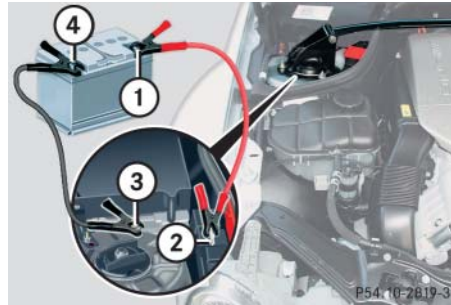


Keep flames or sparks away from battery.
Do not smoke.

Observe all safety instructions and precautions when handling automotive batteries (▷ page 322).

- ▶ Make sure the two vehicles do not touch.
- ▶ Turn off all electrical consumers.
- ▶ Apply the parking brake (▷ page 55).
- ▶ Make sure the gear selector lever is set to position **P** (▷ page 136).
- ▶ Open the hood (▷ page 205).

The terminals for jump starting are located on the right side of the engine compartment.



- ① Positive terminal of charged battery
 - ② Positive terminal of discharged battery
 - ③ Negative terminal of discharged battery
 - ④ Negative terminal of charged battery
- ▶ Flip up cover from positive under hood terminal ②.

! *Never invert the terminal connections.*

- ▶ Connect positive terminals ① and ② with the jumper cable. Clamp cable to charged battery ① first.

- ▶ Start engine of the vehicle with the charged battery and run at idle speed.
- ▶ Connect negative terminals ④ and ③ with the second jumper cable. Clamp cable to charged battery ④ first.
- ▶ Start the engine of the disabled vehicle.

You can now turn on the electrical consumers. Do not switch on the headlamps under any circumstances.

- ▶ Remove the jumper cables first from negative terminals ③ and ④ and then from positive terminals ② and ①.

You can now switch on the headlamps.

- ▶ Have the battery checked at the nearest authorized Mercedes-Benz Center.

Towing the vehicle

Mercedes-Benz recommends that the vehicle be transported with all wheels off the ground using flatbed or appropriate wheel lift/dolly equipment.

! *Do not tow-start the vehicle.*

! *Use flatbed or wheel lift/dolly equipment with SmartKey in starter switch turned to position 0.*

Do not tow with sling-type equipment. Towing with sling-type equipment over bumpy roads will damage radiator and supports.

To prevent damage during transport, do not tie down vehicle by its chassis or suspension parts. Use the towing eyes.

Switch off the automatic central locking (▷ page 131).

When circumstances do not permit the recommended towing methods, the vehicle may be towed with all wheels on the ground or front wheels raised only so far as necessary to have the vehicle moved to a safe location where the recommended towing methods can be employed.

Warning!



If circumstances require towing the vehicle with all wheels on the ground, always tow with a tow bar if:

- the engine will not run
- there is a malfunction in the brake system
- there is a malfunction in the power supply or in the vehicle's electrical system

This is necessary to adequately control the towed vehicle.

Prior to towing the vehicle with all wheels on the ground, make sure the SmartKey is in starter switch position **2**.

If the SmartKey is left in starter switch position **0** for an extended period of time, it can no longer be turned in the switch. In this case, the steering is locked. To unlock, remove SmartKey from starter switch and reinsert.

Warning!



With the engine not running, there is no power assistance for the brake and steering systems. In this case, it is important to keep in mind that a considerably higher degree of effort is necessary to brake and steer the vehicle. Adapt your driving accordingly.

! *If the vehicle is towed with the front axle raised, the gear selector lever must be in position **N** and the engine must be shut off (SmartKey in starter switch position **0** or **1**). Active braking action through the ESP® may otherwise seriously damage the brake system.*

*When towing the vehicle with all wheels on the ground, the gear selector lever must be in position **N** and the SmartKey must be in starter switch position **2**.*

When towing the vehicle with all wheels on the ground or the front axle raised, the vehicle may be towed only for distances up to 30 miles and at a speed not to exceed 30 mph.

! Towing of the vehicle should only be done using the properly installed towing eye bolt. Never attach tow cable, tow rope or tow rod to the vehicle chassis, frame or suspension parts.

i When towing the vehicle with all wheels on the ground, please note the following:

With the automatic central locking activated and the SmartKey in starter switch position **2**, the vehicle doors lock if the left front wheel as well as the right rear wheel are turning at vehicle speeds of approximately 9 mph or more.

To prevent the vehicle door locks from locking, deactivate the automatic central locking (▷ page 131).

i To signal turns while being towed with the hazard warning flasher in use, switch on the ignition and activate the combination switch for the left or right turn signal in the usual manner – only the selected turn signal will operate.

Upon canceling the turn signal, the hazard warning flasher will operate again.

i If the battery is disconnected or discharged

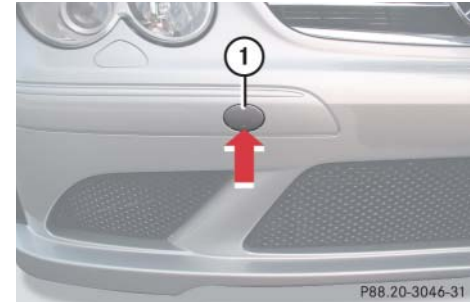
- the SmartKey will not turn in the starter switch. For more information, see “Battery” (▷ page 322) and “Jump starting” (▷ page 328).
- the gear selector lever will remain locked in position **P**. For information on manually unlocking the transmission gear selector lever, see (▷ page 305).

Installing towing eye bolt

The towing eye bolt and the wheel wrench are supplied with the vehicle tool kit, located in the compartment underneath the trunk floor (▷ page 300).

The towing eyes are located on the passenger side in the front and rear bumper.

Front cover



① Cover in front bumper

i The cover is secured to the bumper by a plastic cord.

Towing the vehicle

Removing

- ▶ Press mark on cover ① as indicated by the arrow.
- ▶ Lift off cover ① to reveal the threaded hole for towing eye bolt.
- ▶ Screw the towing eye bolt in clockwise to its stop and tighten with wheel wrench.

Installing

- ▶ Loosen the towing eye bolt counter-clockwise with the wheel wrench.
- ▶ Unscrew towing eye bolt.
- ▶ Engage cover ① at top and press at bottom.

i When closing the cover, make sure the cover's check strap does not get caught.

- ▶ Store the towing eye bolt and the wheel wrench back into the vehicle tool kit.

Rear cover

Warning!



In order to avoid possible serious burns or injury, use extreme caution when removing the rear cover, because the rear exhaust pipe is extremely hot.

i The cover is secured to the bumper by a plastic cord.

Removing



① Cover in rear bumper

- ▶ Pry cover ① with a screwdriver or similar tool at point indicated by the arrow.
- ▶ Lift off cover ① to reveal the threaded hole for towing eye bolt.
- ▶ Screw the towing eye bolt in clockwise to its stop and tighten with wheel wrench.

Installing



① Cover in rear bumper

- ▶ Loosen the towing eye bolt counter-clockwise with the wheel wrench.
- ▶ Unscrew towing eye bolt.
- ▶ Hook right-hand side of cover ① into opening.
- ▶ Slide cover ① as far as it will go in the direction of arrow.
- ▶ Gently press left-hand side of cover ① until it fully engages.

i *When closing the cover, make sure the cover's check strap does not get caught.*

- ▶ Store the towing eye bolt and the wheel wrench back into the vehicle tool kit.

Fuses

The electrical fuses in your vehicle serve to switch off malfunctioning power circuits.

If a fuse is blown, the components and systems secured by that fuse will stop operating.

Warning!



Only use fuses approved by Mercedes-Benz with the specified amperage for the system in question and do not attempt to repair or bridge a blown fuse. Using other than approved fuses or using repaired or bridged fuses may cause an overload leading to a fire, and/or cause damage to electrical components and/or systems. Have the cause determined and remedied by an authorized Mercedes-Benz Center.

i A blown fuse must be replaced by an appropriate spare fuse (recognizable by its color or the fuse rating given on the fuse) of the amperage recommended in the fuse chart. Any Mercedes-Benz Center will be glad to advise you on this subject.

If a newly inserted fuse blows again, have the cause determined and rectified by an authorized Mercedes-Benz Center.

A fuse chart explains the fuse allocation and fuse amperages. It is located in the fuse box in the passenger compartment (▷ page 335).

The following aids may be available to help you replace fuses.

- Spare fuses

They are located in the vehicle tool kit in the spare wheel well.

- Fuse extractor

It is located in the cover of the auxiliary fuse box in the trunk (▷ page 336).

i *Should your vehicle not be equipped with a fuse extractor or spare fuses please contact Roadside Assistance or an authorized Mercedes-Benz Center in case of a blown fuse.*

The electrical fuses are located in different fuse boxes:

- in the passenger compartment on the driver's side (▷ page 335)
- on the driver's side of the engine compartment (▷ page 335)
- in the trunk (▷ page 336)

Before replacing fuses:

- ▶ Apply the parking brake (▷ page 55).
- ▶ Make sure the gear selector lever is set to position **P** (▷ page 136).
- ▶ Turn off all electrical consumers.
- ▶ Turn off the engine (▷ page 56).
- ▶ Remove the SmartKey from the starter switch.

Fuse box in passenger compartment

The fuse box is located in the passenger compartment on the driver's side of the cockpit.



① Fuse box cover

! Do not use sharp objects such as a screw driver to open fuse box cover ① in the cockpit, as this could damage it.

Opening

- ▶ Open the driver's door.
- ▶ Insert flat, blunt object as a lever into recess on the edge of fuse box cover ① at the position indicated by the arrow.
- ▶ Loosen fuse box cover ① from cockpit using the lever.
- ▶ Using your hands, remove fuse box cover ① rearward.

Closing fuse box

- ▶ Attach fuse box cover ① in the front.
- ▶ Fold fuse box cover ① in until it engages.

Fuse box in engine compartment

The fuse box is located in the engine compartment on the driver's side.

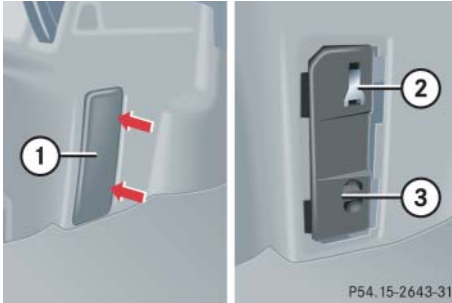
! You must not change the fuses in the fuse box in the engine compartment yourself, as you could damage the vehicle electrical systems.

Have these fuses changed at an authorized Mercedes-Benz Center.

Fuses

Fuse box in trunk

The fuse box is located in the trunk behind the left-hand trim panel.



- ① Trim panel
- ② Fuse extractor
- ③ Fuse box cover

Opening

- ▶ Pull away trim panel ①.
- ▶ Remove fuse box cover ③.

Closing

- ▶ Place fuse box cover ③ back on.
- ▶ Press trim panel ① back into place.

Parts service

Warranty coverage

Identification labels

Layout of poly-V-belt drive

Engine

Rims and tires

Electrical system

Main dimensions and weights

Fuels, coolants, lubricants, etc.



The “Technical data” section provides the necessary technical data for your vehicle.

All authorized Mercedes-Benz Centers maintain a stock of Genuine Mercedes-Benz Parts required for maintenance and repair work. In addition, strategically located parts distribution centers provide quick and reliable parts service.

More than 300 000 different parts for Mercedes-Benz models are available.

Genuine Mercedes-Benz Parts are subjected to stringent quality inspections. Each part has been specifically developed, manufactured or selected for and adapted to Mercedes-Benz vehicles.

Therefore, Genuine Mercedes-Benz Parts should be installed.

! *The use of non-genuine Mercedes-Benz parts and accessories not authorized by Mercedes-Benz could damage the vehicle, which is not covered by the Mercedes-Benz Limited Warranty, or could compromise the vehicle's durability or safety.*

▼ Warranty coverage

Your vehicle is covered under the terms of the warranties printed in the Service and Warranty Information booklet. Your authorized Mercedes-Benz Center will exchange or repair any defective parts originally installed in the vehicle in accordance with the terms of the following warranties:

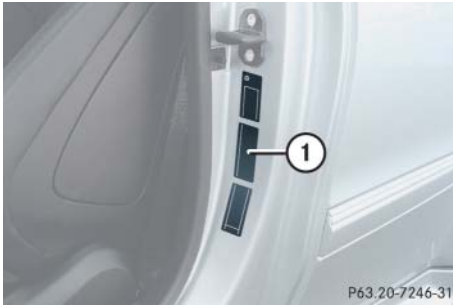
- New Vehicle Limited Warranty
- Emission System Warranty
- Emission Performance Warranty
- California, Maine, Massachusetts, and Vermont Emission Control Systems Warranty

Replacement parts and accessories are covered by the Mercedes-Benz Parts and Accessories warranties, copies of which are available at any Mercedes-Benz Center.

Loss of Service and Warranty Information Booklet

Should you lose your Service and Warranty Information booklet, have an authorized Mercedes-Benz Center arrange for a replacement. It will be mailed to you.

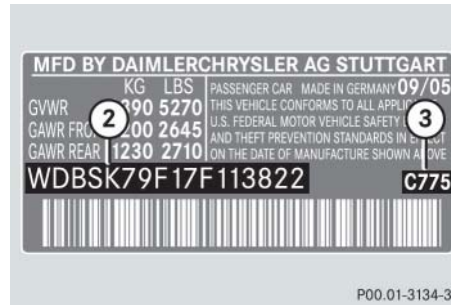
Identification labels



① Certification label (on driver's B-pillar)

The VehicIdentification Number (VIN) can be found in the following locations:

- on the certification label
- embossed underneath the carpet in front of the passenger seat
(▷ page 341)
- on the lower edge of the windshield
(▷ page 341)



Example certification label

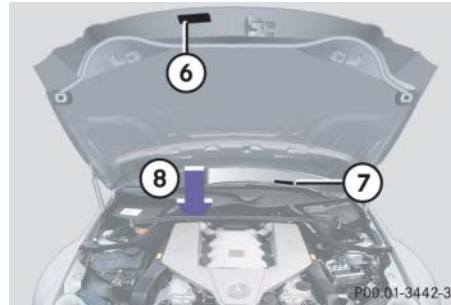
- ② VIN
- ③ Paintwork code

i Data shown on certification label are for illustration purpose only. These data are specific to each vehicle and may vary from data shown in the illustration. Refer to certification label on vehicle for actual data specific to your vehicle.



- ④ Carpet
- ⑤ VIN

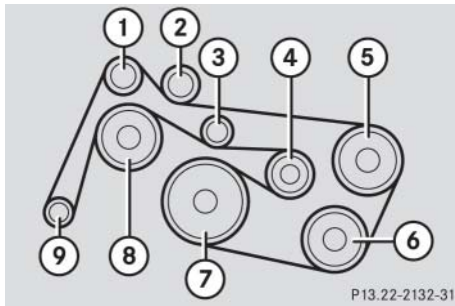
- ▶ Move the passenger seat to the rear as far as possible (▷ page 38).
- ▶ Fold carpet ④ in direction of arrow. VIN ⑤ is visible.



- ⑥ Emission control information label, includes both federal and California certification exhaust emission standards
- ⑦ VIN (lower edge of windshield)
- ⑧ Engine number (engraved on engine)

i When ordering parts, please specify vehicle identification and engine numbers.

Layout of poly-V-belt drive



- ① Idler pulley
- ② Idler pulley
- ③ Idler pulley
- ④ Automatic belt tensioner
- ⑤ Power steering pump
- ⑥ Air conditioning compressor
- ⑦ Crankshaft
- ⑧ Coolant pump
- ⑨ Generator (alternator)

▼ Engine

Model	CLK 63 AMG <i>Black Series</i> (209.377)¹
Engine	156
Mode of operation	4-stroke engine, gasoline injection
No. of cylinders	8
Bore	4.02 in (102.20 mm)
Stroke	3.72 in (94.60 mm)
Total piston displacement	378.8 cu in (6208 cm ³)
Compression ratio	11.3:1
Output acc. to SAE J 1349	500 hp / 6800 rpm ² (373 kW / 6800 rpm)
Maximum torque acc. to SAE J 1349	465 lb-ft / 5200 rpm (630 Nm / 5200 rpm)
Maximum engine speed	7000 rpm
Firing order	1-5-4-2-6-3-7-8
Poly-V-belt	2360 mm

¹ The quoted data apply only to the standard vehicle. See an authorized Mercedes-Benz Center for the corresponding data of all special bodies and special equipment.

² Premium fuel required. Performance may vary with fuel octane rating.

Rims and tires

! Only use tires which have been tested and approved for your vehicle by Mercedes-Benz. Tires approved by Mercedes-Benz are developed to provide best possible performance in conjunction with the driving safety systems on your vehicle such as ABS or ESP®. Tires specially developed for your vehicle and tested and approved by Mercedes-Benz can be identified by finding the following on the tire's sidewall:

- MO = Mercedes-Benz Original equipment tires

Using tires other than those approved by Mercedes-Benz may result in damage that is not covered by the Mercedes-Benz Limited Warranty.

! Using tires other than those approved by Mercedes-Benz can have detrimental effects, such as

- poor handling characteristics
- increased noise
- increased fuel consumption

Moreover, tires and rims not approved by Mercedes-Benz may, under load, exhibit dimensional variations and different tire deformation characteristics that could cause them to come into contact with the vehicle body or axle parts. Damage to the tires or the vehicle may be the result.

i Further information on tires and rims is available at any authorized Mercedes-Benz Center. A placard with the recommended tire inflation pressures is located on the driver's door B-pillar (▷ page 221). Some vehicles may have supplemental tire inflation pressure information for driving at high speeds (▷ page 228) or for vehicle loads less than the maximum loaded vehicle condition (▷ page 227).

If such information is provided, it can be found on the placard located on the inside of the fuel filler flap. The tire inflation pressure should be checked regularly and should only be adjusted on cold tires. Follow tire manufacturer's maintenance recommendation included with vehicle.

i The following pages also list the approved wheel rim and tire sizes for equipping your vehicles with winter tires. Winter tires are not available as standard or optional factory equipment, but can be purchased from an authorized Mercedes-Benz Center.





Depending on vehicle model and the standard or optional factory-equipped wheel rim/tire configuration on your vehicle, equipping your vehicle with winter tires approved for your vehicle model may also require the purchase of two or four wheel rims of the recommended size for use with these winter tires. See an authorized Mercedes-Benz Center for more information.

Mixed size tires

	Front axle	Rear axle
Rims (light alloy)	9 J x 19 H2	9.5 J x 19 H2
Wheel offset	0.98 in (25 mm)	1.22 in (31 mm)
Summer tires¹	265/30 ZR19 93Y XL (Extra Load)	285/30 ZR19 98Y XL (Extra Load)

¹ Must not be used with snow chains.

Winter tires

	Front axle	Rear axle
Version 1:		
Rims (light alloy)	8.5 J x 19 H2	8.5 J x 19 H2
Wheel offset	1.18 in (30 mm)	1.18 in (30 mm)
Winter tires	235/35 R19 9 1V XL (Extra Load) M+S ¹ 	245/35 R19 93V XL (Extra Load) M+S 
Version 2:		
Rims (light alloy)	8.5 J x 19 H2	9.5 J x 19 H2
Wheel offset	1.18 in (30 mm)	1.22 in (31 mm)
Winter tires	235/35 R19 9 1V XL (Extra Load) M+S ¹ 	275/30 R19 96V XL (Extra Load) M+S ¹ 

¹ Must not be used with snow chains.

Electrical system

Generator (alternator)	14 V/180 A
Starter motor	12 V/2.1 KW
Battery	12 V/70 Ah
Spark plugs	NGK ILZ KARA 10
Electrode gap	0.039 in (1.0 mm)
Tightening torque	15 - 19 lb-ft (20 - 25 Nm)

Main dimensions and weights

▼ Main dimensions and weights

Main dimensions

Overall vehicle length	183.3 in (4 657 mm)
Overall vehicle width	72.2 in (1 833 mm)
Overall vehicle height	53.7 in (1 365 mm)
Wheelbase	106.9 in (2 715 mm)
Track, front	61.7 in (1 568 mm)
Track, rear	60.3 in (1 540 mm)

Weights

Roof load max.	220 lbs (100 kg)
Trunk load max.	110 lbs (50 kg)

Fuels, coolants, lubricants, etc.

Capacities

Vehicle components and their respective lubricants must match. Therefore only use products tested and approved by Mercedes-Benz.

Please refer to the Factory Approved Service Products pamphlet, or inquire at your Mercedes-Benz Center.

Warning!



Comply with all valid regulations with respect to handling, storing, and disposing of service fluids. Otherwise you could endanger persons or the environment.

Keep service fluids out of the reach of children.

For health reasons, you should prevent service fluids from coming into direct contact with your skin or clothing.

If a service fluid is swallowed, contact a physician immediately.

	Capacity	Fuels, coolants, lubricants, etc.
Engine with oil filter	8.5 US qt (8.0 l)	Approved engine oils
Automatic transmission	9.5 US qt (9.0 l)	MB Automatic Transmission Fluid
Rear axle	1.43 US qt (1.35 l)	Hypoid gear oil Castrol SAF-XJ SAE 75 W 140
Power steering	approx. 1.27 US qt (1.2 l)	MB Power Steering Fluid (Pentosin CHF 11S)
Front wheel hubs	approx. 2.5 oz (70 g) each	High temperature roller bearing grease
Brake system	0.64 US qt (0.6 l)	MB Brake Fluid (DOT 4+)

Fuels, coolants, lubricants, etc.

	Capacity	Fuels, coolants, lubricants, etc.
Cooling system	approx. 12.0 US qt (11.4 l)	MB 325.0 Anticorrosion/Antifreeze Agent
Fuel tank including a reserve of	16.38 US gal (62.0 l) 3.17 US gal (12.0 l)	Premium unleaded gasoline: Minimum Posted Octane 91 (Avg. of 96 RON / 86 MON)
Air conditioning system		R-134a refrigerant and special PAG lubricant oil (never R-12)
Windshield washer and headlamp cleaning system*	6.4 US qt (6.0 l)	MB Windshield Washer Concentrate ¹

¹ Use MB Windshield Washer Concentrate “MB SummerFit” and water for temperatures above freezing point or MB Windshield Washer Concentrate “MB SummerFit” and commercially available premixed windshield washer solvent / antifreeze for temperatures below freezing point. Follow suggested mixing ratios (▷ page 355).

Fuels, coolants, lubricants, etc.

Engine oils

Engine oils are specifically tested for their suitability in our engines and durability for our service intervals. Therefore, only use approved engine oils and oil filters required for vehicles with Maintenance System. For a listing of approved engine oils and oil filters, refer to the Factory Approved Service Products Pamphlet, or contact an authorized Mercedes-Benz Center.

! *Using engine oils and oil filters of specification other than those expressly required for the Maintenance System, or changing of oil and oil filter at change intervals longer than those called for by the Maintenance System will result in engine or emission control system damage not covered by the Mercedes-Benz Limited Warranty.*

Please follow Maintenance System recommendations for scheduled oil changes. Failure to do so will result in engine or emission control system damage not covered by the Mercedes-Benz Limited Warranty.

Engine oil additives

! *Do not blend oil additives with engine oil. They may damage the engine.*

Damage or malfunctions resulting from blending oil additives are not covered by the Mercedes-Benz Limited Warranty.

Air conditioning refrigerant

R-134a (HFC) refrigerant and special PAG lubricating oil are used in the air conditioning system.

! *Never use R-12 (CFC) or mineral-based lubricating oil. Otherwise damage to the system will occur.*

Brake fluid

Warning!



During vehicle operation, the boiling point of the brake fluid is continuously reduced through the absorption of moisture from the atmosphere. Under extremely strenuous operating conditions, this moisture content can lead to the formation of bubbles in the system, thus reducing the system's efficiency.

Therefore, the brake fluid must be replaced regularly. Refer to your vehicle's Maintenance Booklet for replacement interval.

Only brake fluid approved by Mercedes-Benz is recommended. Any authorized Mercedes-Benz Center will provide you with additional information.

Premium unleaded gasoline

Warning!



Gasoline is highly flammable and poisonous. It burns violently and can cause serious personal injury.

Never allow sparks, flame or smoking materials near gasoline!

Turn off the engine before refueling

Whenever you are around gasoline, avoid inhaling fumes and skin or clothing contact, extinguish all smoking materials.

Direct skin contact with fuels and the inhalation of fuel vapors are damaging to your health.

! *To maintain the engine's durability and performance, premium unleaded gasoline must be used. If premium unleaded gasoline is not available and low octane fuel is used, follow these precautions:*

- *Have the fuel tank only partially filled with unleaded regular gasoline and fill up with premium unleaded gasoline as soon as possible.*
- *Avoid full throttle driving and abrupt acceleration.*
- *Do not exceed an engine speed of 3000 rpm if the vehicle is loaded with a light load such as two persons and no luggage.*
- *Do not exceed $\frac{2}{3}$ of maximum accelerator pedal position if the vehicle is fully loaded or operating in mountainous terrain.*

Fuel requirements

Only use premium unleaded fuel:

- The octane number (posted at the pump) must be 91 min. It is an average of both the Research Octane Number (RON) and the Motor Octane Number (MON): $(RON+MON) / 2$. This is also known as the ANTI-KNOCK INDEX.

Unleaded gasoline containing oxygenates such as ethanol, IPA, IBA and TBA can be used provided the ratio of any one of these oxygenates to gasoline does not exceed 10%; MTBE not to exceed 15%.

The ratio of methanol to gasoline must not exceed 3% plus additional cosolvents.

Using mixtures of ethanol and methanol is not allowed. Gasohol, which contains 10% ethanol and 90% unleaded gasoline, can be used.

These blends must also meet all other fuel requirements, such as resistance to spark knock, boiling range, vapor pressure, etc.

Fuels, coolants, lubricants, etc.

Gasoline additives

A major concern among engine manufacturers is carbon build-up caused by gasoline. Mercedes-Benz recommends only the use of quality gasoline containing additives that prevent the build-up of carbon deposits.

After an extended period of using fuels without such additives carbon deposits can build up, especially on the intake valves and in the combustion area, leading to engine performance problems such as:

- Warm-up hesitation
- Unstable idle
- Knocking/pinging
- Misfire
- Power loss

In areas where carbon deposits may be encountered due to lack of availability of gasolines which contain these additives, Mercedes-Benz recommends the use of additives approved by us for use on Mercedes-Benz vehicles. Refer to the Factory Approved Service Products pamphlet or contact an authorized Mercedes-Benz Center for a listing of approved product(s). Follow directions on product label.

Do not blend other fuel additives with fuel. This only results in unnecessary cost and may be harmful to the engine operation.

! *Damage or malfunction resulting from poor fuel quality or from blending additional fuel additives other than those tested and approved by us for use on Mercedes-Benz vehicles are not covered by the Mercedes-Benz Limited Warranty.*

Coolants

The engine coolant is a mixture of water and anticorrosion/antifreeze, which provides:

- Corrosion protection
- Freeze protection
- Boiling protection (by increasing the boiling point)

The cooling system was filled at the factory with a coolant providing freeze protection to approximately -35°F (-37°C) and corrosion protection.

! *Add premixed coolant solution only. Adding water and MB 325.0 Anticorrosion/Antifreeze separately from each other, could cause engine damage not covered by the Mercedes-Benz Limited Warranty.*

If the antifreeze mixture is effective to -35°F (-37°C), the boiling point of the coolant in the pressurized cooling system is reached at approximately 266°F (130°C).

The coolant solution must be used year round to provide the necessary corrosion protection and increase boil-over protection. Refer to Maintenance Booklet for replacement interval.

Coolant system design and coolant used determine the replacement interval. The replacement interval published in the Maintenance Booklet is only applicable if MB 325.0 Anticorrosion/Antifreeze solution or other Mercedes-Benz approved products of equal specification are used to renew the coolant concentration or bring it back up to the proper level. For information on other Mercedes-Benz approved products of equal specification, refer to the Factory Approved Service Products pamphlet or contact an authorized Mercedes-Benz Center.

To provide important corrosion protection, the solution must be at least 50% anticorrosion/antifreeze (equivalent to freeze protection to approximately -35°F [-37°C]). If you use a solution that is more than 55% anticorrosion/antifreeze (freeze protection to approximately -49°F [-45°C]), the engine temperature will increase due to the lower heat transfer capability of the solution. Therefore, do not use more than this amount of anticorrosion/antifreeze.

If the coolant level is low, water and MB 325.0 Anticorrosion/Antifreeze should be used to bring it up to the proper level (have cooling system checked for signs of leakage). Please make sure the mixture is in accordance with label instructions.

The water in the cooling system must meet minimum requirements, which are usually satisfied by normal drinking water. If you are not sure about the water quality, consult an authorized Mercedes-Benz Center.

Fuels, coolants, lubricants, etc.

Anticorrosion/antifreeze

Your vehicle contains a number of aluminum parts. The use of aluminum components in motor vehicle engines necessitates that anticorrosion/antifreeze coolant used in such engines be specifically formulated to protect the

aluminum parts. Failure to use such anticorrosion/antifreeze coolant will result in a significantly shortened service life.

Therefore, the following product is strongly recommended for use in your vehicle:
MB 325.0 Anticorrosion/Antifreeze agent.

Before the start of the winter season (or once a year in hot southern regions), you should have the anticorrosion/antifreeze concentration checked. The coolant is also regularly checked each time you bring your vehicle to an authorized Mercedes-Benz Center for service.

Anticorrosion/antifreeze quantity

Approximate freeze protection

-35°F (-37°C)	-49°F (-45°C)
---------------	---------------

6.0 US qt (5.7 l)	6.7 US qt (6.3 l)
-------------------	-------------------

Windshield washer system and headlamp cleaning system

Both the windshield washer system and headlamp cleaning system are supplied from the windshield washer fluid reservoir.

The windshield washer reservoir has a capacity of approximately 6.4 US qt (6.0 l).

- ▶ Refill the reservoir with MB Windshield Washer Concentrate “MB SummerFit” and water (or concentrate and commercially available premixed windshield washer solvent/antifreeze, depending on ambient temperatures).

Warning!



Washer solvent/antifreeze is highly flammable. Do not spill washer solvent/antifreeze on hot engine parts, because it may ignite and burn. You could be seriously burned.

Windshield and headlamp washer fluid mixing ratio

For temperatures above freezing point, use MB Windshield Washer Concentrate “MB SummerFit” and water:

- 1 part “MB SummerFit” to 100 parts water
(1.34 fl oz [40 ml] “MB SummerFit” to 1 gallon [4.0 l] water)

For temperatures below freezing point, use MB Windshield Washer Concentrate “MB SummerFit” and commercially available premixed windshield washer solvent/antifreeze:

- 1 part “MB SummerFit” to 100 parts solvent
(1.34 fl oz [40 ml] “MB SummerFit” to 1 gallon [4.0 l] solvent)

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Service and Literature

Your authorized Mercedes-Benz Center has trained technicians and Genuine Mercedes-Benz Parts to service your vehicle properly. For expert advice and quality service, contact an authorized Mercedes-Benz Center.

If you are interested in obtaining service literature for your vehicle, please contact an authorized Mercedes-Benz Center. We consider this the best way for you to obtain accurate information for your vehicle.

For further information you can find us on the Mercedes-Benz web-site www.mbusa.com or www.mercedes-benz.ca.

Warning!



To help avoid personal injury, be extremely careful when performing any service work or repairs. Improper or incomplete service or the use of incorrect or inappropriate parts or materials may damage the vehicle or its equipment, which may in turn result in personal injury.

If you have questions about carrying out any type of service, turn to the advice of an authorized Mercedes-Benz Center.

We reserve the right to make changes in design and equipment. Therefore, information, illustrations and descriptions in this Operator's Manual might differ from your vehicle. Reprinting, translation and copying, even of excerpts, is not permitted without our prior authorization in writing.

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